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

DATA PACKAGE

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : Q2177

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

Table Of Contents for Q2177

1) Signature Page 3

2) Case Narrative 5

2.1) VOC-TCLVOA-10- Case Narrative 5

2.2) TCLP VOA- Case Narrative 7

2.3) SVOC-TCL BNA -20- Case Narrative 9

2.4) TCLP BNA- Case Narrative 12

2.5) TCLP Pesticide- Case Narrative 14

2.6) PCB- Case Narrative 16

2.7) TCLP Herbicide- Case Narrative 18

2.8) EPH- Case Narrative 20

2.9) Metals-AES- Case Narrative 22

2.10) Metals-TCLP- Case Narrative 24

2.11) Genchem- Case Narrative 26

3) Qualifier Page 28

4) QA Checklist 30

5) VOC-TCLVOA-10 Data 31

6) TCLP VOA Data 299

7) SVOC-TCL BNA -20 Data 377

8) TCLP BNA Data 691

9) TCLP Pesticide Data 808

10) PCB Data 918

11) TCLP Herbicide Data 1090

12) EPH Data 1174

13) Metals-AES Data 1502

14) Metals-TCLP Data 1631

15) Genchem Data 1689

16) Shipping Document 1734

16.1) CHAIN OF CUSTODY 1735

16.2) Lab Certificate 1736

16.3) Internal COC 1737

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 : 950000878

Laboratory Sample ID(s) : Q2177

Sampling Date(s) : 5/31/2025

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

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

Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2177-01	B-187-SB00
Q2177-02	B-187-SB01
Q2177-03	B-187-SB01
Q2177-04	B-187-SB02
Q2177-05	B-187-SB02
Q2177-06	B-202-SB01
Q2177-07	B-202-SB01
Q2177-08	EB05312025
Q2177-09	TB05312025

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:31 pm, Jun 16, 2025

Date: 6/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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_X were done using GC column DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UIThe 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 except for B-187-SB00 [4-Bromofluorobenzene - 62%], B-187-SB02 [4-Bromofluorobenzene - 66%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.

The Blank Spike for {VX0602WBS01} with File ID: VX046436.D met requirements for all samples except for Methyl Acetate[133%] this compound did not meet the NJDKQP criteria and in-house criteria, is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Blank Spike Duplicate for {VX0602WBSD01} with File ID: VX046437.D met requirements for all samples except for Methyl Acetate[136%] this compound did not meet the NJDKQP criteria and in-house criteria, is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Continuous Calibration File ID VX046433.D met the requirements except for Bromoform,cis-1,3-Dichloropropene,Dibromochloromethane,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

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

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.

Signature ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 12:32 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 the requirements.

The Continuous Calibration File ID VN086835.D met the requirements except for Tetrachloroethene is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

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

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.

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:32 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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_P 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 except for,
EB05312025 [2-Fluorobiphenyl - 18%, 2-Fluorophenol - 11%, Nitrobenzene-d5 - 18%, Phenol-d6 - 7% and Terphenyl-d14 - 15%]. Due to the limited volume of this water sample it cannot be re-extracted, Hence data reported.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q2194-03MS} with File ID: BF142629.D recoveries met the requirements for all compounds except for 3-Nitroaniline[62%], 4-Chloroaniline[52%] . This compound did not meet the NJDKQP criteria but met the in-house criteria.

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

The MSD {Q2194-03MSD} with File ID: BF142630.D recoveries met the acceptable requirements except for 3-Nitroaniline[61%], 4-Chloroaniline[49%] . This compound did not meet the NJDKQP criteria but met the in-house criteria.

The RPD met criteria.

The Blank Spike for {PB168285BS} with File ID: BF142727.D met requirements for all samples except for 3,3-Dichlorobenzidine[43%], 3-Nitroaniline[52%] and 4-Chloroaniline[29%], This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for {PB168285BSD} with File ID: BF142728.D met requirements for all samples except for 3,3-Dichlorobenzidine[44%], 3-Nitroaniline[51%] and 4-Chloroaniline[29%], This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike for {PB168259BS} with File ID: BF142750.D met requirements for all samples except for 3,3-Dichlorobenzidine[56%], 3-Nitroaniline[54%] and 4-Chloroaniline[41%], This compound did not meet the NJDKQP criteria but met the in-house criteria.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BP060625.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.

The Continuous Calibration File ID BF142640.D met the requirements except for 4-Nitrophenol,Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate, Associated Samples does not have hit for this compounds, therefor no further corrective action was taken.

The Continuous Calibration File ID BF142748.D met the requirements except for 2,4-Dinitrophenol, Associated Samples does not have hit for this compounds, therefor no further corrective action was taken.

The Tuning criteria met requirements.

Sample B-187-SB01 was diluted due to high concentration.

E. Additional Comments:
Sample EB05312025 used limited volume as sample Received with split volume.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial

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

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

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

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

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:33 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of 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.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BM050223.D met the requirements except for Pentachlorophenol ,is failing high but no positive hit in associate samples therefore no corrective action taken.

The Tuning criteria met requirements.

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

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

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

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

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:33 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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.

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

E. Additional Comments:

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

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

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:33 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: PCB

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 .

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

E. Additional Comments:
Sample EB05312025 was received with limited volume for PCB.

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.

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:33 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 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:

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

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

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

Signature____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 12:33 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: EPH

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 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 {Q2177-02MS} with File ID: FD049484.D recoveries met the requirements for all compounds except for Aromatic C10-C12[28%], Aromatic C12-C16[32.%] due to matrix interference.

The MSD {Q2177-02MSD} with File ID: FD049485.D recoveries met the acceptable requirements except for Aromatic C10-C12[29%], Aromatic C12-C16[34%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .

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

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

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

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

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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 Mercury,Metals ICP-TAL.

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.
The Blank Spike met requirements for all samples.
The Duplicate (B-187-SB02MSD) analysis met criteria for all samples except for Aluminum, Barium, Calcium, Iron, Magnesium, Potassium and Sodium due to Chemical Interference during Digestion Process.
The Matrix Spike (303-PPR-2MS) analysis met criteria for all samples except for Antimony, Copper, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike (444MS) analysis met criteria for all elements except for Mercury due to sample matrix interference. The Matrix Spike (B-187-SB02MS) analysis met criteria for all elements except for Antimony due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (303-PPR-2MSD) analysis met criteria for all samples except for Antimony, Silver and Zinc due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (B-187-SB02MSD) analysis met criteria for all samples except for Antimony, Barium, Sodium and Zinc due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.
The Serial Dilution met criteria for all samples.

E. Additional Comments:

The Post Digest Spike (444A) analysis met criteria for all elements except for Mercury due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

In analytical Sequence LB136011, The % Recovery outside limit for Iron, Potassium and Sodium of CCV08 but, no any sample associated under this CCV.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP ICP Metals,TCLP Mercury

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 ICP Metals,TCLP Mercury.

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 (TP01-MHB-WCDUP) analysis met criteria for all elements except for Barium due to sample matrix interference.
The Matrix Spike (TP01-MHA-WCMS) analysis met criteria for all elements except for Barium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (TP01-MHA-WCMSD) analysis met criteria for all elements except for Barium due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (TP01-MHA-WCA) analysis met criteria for all samples except for Barium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, Jun 16, 2025

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

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: Corrosivity,Hexavalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide,trivalent Chromium

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

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 Corrosivity,Hexavalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide,trivalent Chromium.

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 B-187-SB01 of Corrosivity, for B-187-SB02 of Corrosivity.for B-202-SB01 of Corrosivity.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

For Hexavalent Chromium Sample was received after 24 hours from collection and was filtered and analyzed in the Lab in the day of sample receipt.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, Jun 16, 2025

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2177

	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:** 06/16/2025

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.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-187-SB01**								
Q2177-02	B-187-SB01	SOIL	Dodecane	*	6.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Decane	*	11.5	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, butyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Naphthalene, decahydro-2-metl	*	6.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, hexyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Undecane, 2,6-dimethyl-	*	5.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Nonane, 4-methyl-	*	4.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Sulfurous acid, decyl 2-ethylhe	*	6.80	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	unknown14.950	*	4.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Carbonic acid, decyl prop-1-en-	*	6.70	J	0	0	ug/Kg
			Total Tics :		61.6				
			Total Concentration:		61.6				
Client ID:	**B-187-SB02**								
Q2177-04	B-187-SB02	SOIL	Acetone		66.4		5.90	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Carbon Disulfide		3.20	J	1.30	6.20	ug/Kg
Q2177-04	B-187-SB02	SOIL	2-Butanone		11.1	J	8.20	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Toluene		1.50	J	0.97	6.20	ug/Kg
			Total Voc :		82.2				
Q2177-04	B-187-SB02	SOIL	.alpha.-Pinene	*	62.5	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Benzene, 1-methyl-3-(1-methyl	*	62.5	J	0	0	ug/Kg
			Total Tics :		125				
			Total Concentration:		207				
Client ID:	**B-202-SB01**								
Q2177-06	B-202-SB01	SOIL	Carbon Disulfide		1.50	J	1.00	4.70	ug/Kg
Q2177-06	B-202-SB01	SOIL	Methylene Chloride		4.30	J	3.30	9.50	ug/Kg
			Total Voc :		5.80				
			Total Concentration:		5.80				
Client ID:	**EB05312025**								
Q2177-08	EB05312025	Water	Acetone		21.4		1.50	5.00	ug/L
Q2177-08	EB05312025	Water	2-Butanone		2.40	J	0.98	5.00	ug/L
			Total Voc :		23.8				
Q2177-08	EB05312025	Water	Hexadecane, 2,6,11,15-tetramet	*	6.50	J	0	0	ug/L
			Total Tics :		6.50				
			Total Concentration:		30.3				

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	10.9	ug/Kg
74-87-3	Chloromethane	2.50	U	2.50	10.9	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	1.70	10.9	ug/Kg
74-83-9	Bromomethane	2.30	U	2.30	10.9	ug/Kg
75-00-3	Chloroethane	2.80	U	2.80	10.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.60	U	2.60	10.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	2.30	10.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	2.20	10.9	ug/Kg
67-64-1	Acetone	10.4	U	10.4	54.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	2.30	10.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.60	U	1.60	10.9	ug/Kg
79-20-9	Methyl Acetate	3.40	U	3.40	10.9	ug/Kg
75-09-2	Methylene Chloride	7.70	U	7.70	21.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	10.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	1.80	10.9	ug/Kg
110-82-7	Cyclohexane	1.70	U	1.70	10.9	ug/Kg
78-93-3	2-Butanone	14.3	U	14.3	54.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	2.10	10.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.60	U	1.60	10.9	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	10.9	ug/Kg
67-66-3	Chloroform	1.80	U	1.80	10.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	10.9	ug/Kg
71-43-2	Benzene	1.70	U	1.70	10.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	1.70	10.9	ug/Kg
79-01-6	Trichloroethene	1.80	U	1.80	10.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	2.00	10.9	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	1.70	10.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.80	U	7.80	54.7	ug/Kg
108-88-3	Toluene	1.70	U	1.70	10.9	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
591-78-6	2-Hexanone	8.10	U	8.10	54.7	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	1.90	10.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	1.90	10.9	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	2.30	10.9	ug/Kg
108-90-7	Chlorobenzene	2.00	U	2.00	10.9	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	1.50	10.9	ug/Kg
179601-23-1	m/p-Xylenes	2.70	U	2.70	21.9	ug/Kg
95-47-6	o-Xylene	1.80	U	1.80	10.9	ug/Kg
100-42-5	Styrene	1.60	U	1.60	10.9	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	10.9	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	1.70	10.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	2.60	10.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.70	U	3.70	10.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.40	U	3.40	10.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.20	U	3.20	10.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	4.00	10.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.50	U	6.50	10.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.00	U	7.00	10.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.8	*	70 (17) - 130 (146)	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	7.707			
540-36-3	1,4-Difluorobenzene	447000	8.616			
3114-55-4	Chlorobenzene-d5	314000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	80900	13.346			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (17) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.707			
540-36-3	1,4-Difluorobenzene	475000	8.609			
3114-55-4	Chlorobenzene-d5	387000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017301-94-9	Nonane, 4-methyl-	4.50	J		12.3	ug/Kg
000124-18-5	Decane	11.5	J		12.7	ug/Kg
001678-93-9	Cyclohexane, butyl-	4.40	J		13.2	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	6.70	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	6.50	J		14.2	ug/Kg
000112-40-3	Dodecane	6.40	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	5.70	J		14.6	ug/Kg
1000351-74-9	unknown14.950	4.70	J		14.9	ug/Kg
004292-75-5	Cyclohexane, hexyl-	4.40	J		15.1	ug/Kg
1000309-19-3	Sulfurous acid, decyl 2-ethylhexyl	6.80	J		15.1	ug/Kg

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

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

Alliance TECHNICAL GROUP
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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	66.4		5.90	31.2	ug/Kg
75-15-0	Carbon Disulfide	3.20	J	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.91	U	0.91	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.20	ug/Kg
110-82-7	Cyclohexane	0.99	U	0.99	6.20	ug/Kg
78-93-3	2-Butanone	11.1	J	8.20	31.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.99	U	0.99	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.99	U	0.99	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.2	ug/Kg
108-88-3	Toluene	1.50	J	0.97	6.20	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.2	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.5	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.89	U	0.89	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1	*	70 (17) - 130 (146)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.609			
3114-55-4	Chlorobenzene-d5	360000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000080-56-8	.alpha.-Pinene	62.5	J		12.3	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	62.5	J		13.3	ug/Kg

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

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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.7	ug/Kg
75-15-0	Carbon Disulfide	1.50	J	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	4.30	J	3.30	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.7	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (17) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	7.707			
540-36-3	1,4-Difluorobenzene	499000	8.609			
3114-55-4	Chlorobenzene-d5	399000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.34			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	21.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	2.40	J	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65900	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55900	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	6.50	J		13.5	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60000	5.544			
540-36-3	1,4-Difluorobenzene	122000	6.757			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046444.D	1		06/02/25 14:47	VX060225

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

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

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2177-01	B-187-SB00	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103		70 (70)	130 (134)
		Toluene-d8	50	48.7	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	30.8	62	*	70 (17)	130 (146)
Q2177-02	B-187-SB01	1,2-Dichloroethane-d4	50	52.2	104		70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86		70 (17)	130 (146)
Q2177-04	B-187-SB02	1,2-Dichloroethane-d4	50	52.0	104		70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104		70 (70)	130 (134)
		Toluene-d8	50	49.7	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.1	66	*	70 (17)	130 (146)
Q2177-06	B-202-SB01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
VY0603SBL01	VY0603SBL01	1,2-Dichloroethane-d4	50	53.5	107		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.0	84		70 (17)	130 (146)
VY0603SBS01	VY0603SBS01	1,2-Dichloroethane-d4	50	50.0	100		70 (63)	130 (155)
		Dibromofluoromethane	50	51.0	102		70 (70)	130 (134)
		Toluene-d8	50	51.5	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.0	98		70 (17)	130 (146)
VY0603SBSD01	VY0603SBSD01	1,2-Dichloroethane-d4	50	50.7	101		70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103		70 (70)	130 (134)
		Toluene-d8	50	52.6	105		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.1	100		70 (17)	130 (146)
VY0604SBL01	VY0604SBL01	1,2-Dichloroethane-d4	50	52.7	105		70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
VY0604SBS01	VY0604SBS01	1,2-Dichloroethane-d4	50	53.9	108		70 (63)	130 (155)
		Dibromofluoromethane	50	53.3	107		70 (70)	130 (134)
		Toluene-d8	50	53.4	107		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104		70 (17)	130 (146)
VY0605SBL01	VY0605SBL01	1,2-Dichloroethane-d4	50	51.7	103		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.6	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.7	81		70 (17)	130 (146)
VY0605SBS01	VY0605SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.3	97		70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2177-08	EB05312025	1,2-Dichloroethane-d4	50	51.9	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
Q2177-09	TB05312025	1,2-Dichloroethane-d4	50	55.7	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
VX0602WBL01	VX0602WBL01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102	70 (77)	130 (121)
VX0602WBS01	VX0602WBS01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
VX0602WBSD0	VX0602WBSD01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	16.8	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	18.7	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.5	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	14.3	ug/L	72			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			70 (78)	130 (114)	
	Methyl Acetate	20	26.5	ug/L	133		*	70 (67)	130 (125)	
	Methylene Chloride	20	18.0	ug/L	90			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	17.6	ug/L	88			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	23.3	ug/L	117			70 (70)	130 (124)	
	Chloroform	20	20.5	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	17.3	ug/L	86			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.7	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.4	ug/L	107			70 (83)	130 (111)	
	Bromodichloromethane	20	21.5	ug/L	108			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.4	ug/L	107			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.4	ug/L	102			70 (81)	130 (110)	
	Tetrachloroethene	20	19.3	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.8	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.3	ug/L	102			70 (83)	130 (109)	
	Styrene	20	21.0	ug/L	105			70 (80)	130 (111)	
	Bromoform	20	20.7	ug/L	104			70 (79)	130 (109)	
	Isopropylbenzene	20	20.6	ug/L	103			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			70 (76)	130 (114)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	Dichlorodifluoromethane	20	17.2	ug/L	86	0		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.9	ug/L	85	1		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	16.6	ug/L	83	1		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.2	ug/L	86	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.1	ug/L	91	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	3		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.0	ug/L	70	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.9	ug/L	104	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	27.2	ug/L	136	2	*	70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.8	ug/L	94	4		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	2		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.2	ug/L	101	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.6	ug/L	88	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.6	ug/L	118	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.8	ug/L	104	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.7	ug/L	99	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.2	ug/L	86	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.7	ug/L	99	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	3		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.8	ug/L	104	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (20)
	Toluene	20	19.9	ug/L	100	0		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.9	ug/L	100	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	0		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.6	ug/L	108	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.5	ug/L	108	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.8	ug/L	104	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.4	ug/L	92	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.7	ug/L	99	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.9	ug/L	100	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.2	ug/L	101	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.6	ug/L	103	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.9	ug/L	104	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.8	ug/L	104	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.1	ug/L	101	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.9	ug/L	100	1		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.0	ug/L	105	3		70 (82)	130 (109)	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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98	4		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103	1		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.4	ug/Kg	92			40 (52)	160 (151)	
	Vinyl chloride	20	20.8	ug/Kg	104			70 (56)	130 (148)	
	Bromomethane	20	20.2	ug/Kg	101			40 (58)	160 (141)	
	Chloroethane	20	21.3	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	140	ug/Kg	140			40 (40)	160 (171)	
	Carbon disulfide	20	20.8	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	20.6	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	18.5	ug/Kg	93			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	20.2	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	21.3	ug/Kg	106			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.8	ug/Kg	99			70 (77)	130 (123)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	21.2	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	40.2	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70 (70)	130 (137)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	Dichlorodifluoromethane	20	22.4	ug/Kg	112	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	22.2	ug/Kg	111	19		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	22.2	ug/Kg	111	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.2	ug/Kg	106	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.6	ug/Kg	108	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.2	ug/Kg	106	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.7	ug/Kg	109	3		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	15		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	21.3	ug/Kg	106	2		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.5	ug/Kg	98	5		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.3	ug/Kg	97	4		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.1	ug/Kg	106	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.7	ug/Kg	99	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.8	ug/Kg	104	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.6	ug/Kg	108	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.3	ug/Kg	102	3		70 (77)	130 (123)	30 (20)
	Benzene	20	21.0	ug/Kg	105	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.0	ug/Kg	105	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.5	ug/Kg	108	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.7	ug/Kg	104	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	98.4	ug/Kg	98	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.2	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.3	ug/Kg	106	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.1	ug/Kg	106	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.8	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.3	ug/Kg	103	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.7	ug/Kg	104	4		70 (83)	130 (123)	30 (20)
	Styrene	20	20.6	ug/Kg	103	3		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.9	ug/Kg	100	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	5		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	7		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (83)	130 (124)	30 (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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0604SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.8	ug/Kg	94			40 (52)	160 (151)	
	Vinyl chloride	20	22.0	ug/Kg	110			70 (56)	130 (148)	
	Bromomethane	20	21.2	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	22.5	ug/Kg	113			40 (69)	160 (130)	
	Trichlorofluoromethane	20	23.5	ug/Kg	117			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	87.2	ug/Kg	87			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	20.0	ug/Kg	100			70 (69)	130 (149)	
	Methylene Chloride	20	19.1	ug/Kg	96			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	19.6	ug/Kg	98			70 (76)	130 (122)	
	2-Butanone	100	93.6	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	21.0	ug/Kg	105			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.8	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	20.9	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	93.5	ug/Kg	94			40 (70)	160 (135)	
	Toluene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			70 (82)	130 (125)	
	2-Hexanone	100	91.6	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	19.7	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	20.9	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	20.4	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (124)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0604SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0605SBS01	Dichlorodifluoromethane	20	21.6	ug/Kg	108			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (52)	160 (151)	
	Vinyl chloride	20	24.1	ug/Kg	121			70 (56)	130 (148)	
	Bromomethane	20	23.0	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	20	24.2	ug/Kg	121			40 (69)	160 (130)	
	Trichlorofluoromethane	20	25.7	ug/Kg	129			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	94.2	ug/Kg	94			40 (40)	160 (171)	
	Carbon disulfide	20	20.7	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	20.0	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	97.2	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	95.8	ug/Kg	96			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	20.4	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.9	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0605SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

( ) = 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.

VX0602WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046435.D Lab Sample ID: VX0602WBL01

Date Analyzed: 06/02/2025 Time Analyzed: 11:14

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025
TB05312025	Q2177-09	VX046444.D	06/02/2025
EB05312025	Q2177-08	VX046454.D	06/02/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0603SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022512.D Lab Sample ID: VY0603SBL01

Date Analyzed: 06/03/2025 Time Analyzed: 10:40

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
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025
B-187-SB00	Q2177-01	VY022534.D	06/03/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0604SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022539.D Lab Sample ID: VY0604SBL01

Date Analyzed: 06/04/2025 Time Analyzed: 10:24

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
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025
B-187-SB01	Q2177-02	VY022554.D	06/04/2025
B-187-SB02	Q2177-04	VY022555.D	06/04/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0605SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022561.D Lab Sample ID: VY0605SBL01

Date Analyzed: 06/05/2025 Time Analyzed: 09:11

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
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025
B-202-SB01	Q2177-06	VY022568.D	06/05/2025

COMMENTS:

Alliance TECHNICAL GROUP
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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (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
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046432.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.5 (8.1) 1
176	95.0 - 101.0% of mass 174	66.8 (98.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046433.D	06/02/2025	10:21
VX0602WBL01	VX0602WBL01	VX046435.D	06/02/2025	11:14
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025	11:37
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025	12:04
TB05312025	Q2177-09	VX046444.D	06/02/2025	14:47
EB05312025	Q2177-08	VX046454.D	06/02/2025	19:06

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022510.D BFB Injection Date: 06/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:03

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	26
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022511.D	06/03/2025	10:03
VY0603SBL01	VY0603SBL01	VY022512.D	06/03/2025	10:40
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025	11:15
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025	11:38
B-187-SB00	Q2177-01	VY022534.D	06/03/2025	19:42

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022537.D BFB Injection Date: 06/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:48

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	25.3
75	30.0 - 60.0% of mass 95	58.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.3 (97.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022538.D	06/04/2025	09:54
VY0604SBL01	VY0604SBL01	VY022539.D	06/04/2025	10:24
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025	10:54
B-187-SB01	Q2177-02	VY022554.D	06/04/2025	16:34
B-187-SB02	Q2177-04	VY022555.D	06/04/2025	16:58

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022559.D BFB Injection Date: 06/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:08

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	25.2
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 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	VY022560.D	06/05/2025	08:40
VY0605SBL01	VY0605SBL01	VY022561.D	06/05/2025	09:11
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025	09:41
B-202-SB01	Q2177-06	VY022568.D	06/05/2025	12:45

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	91247	5.54	155497	6.75	135003	10.05
UPPER LIMIT	182494	6.038	310994	7.251	270006	10.549
LOWER LIMIT	45623.5	5.038	77748.5	6.251	67501.5	9.549
EPA SAMPLE NO.						
EB05312025	65892	5.54	131320	6.76	124794	10.06
TB05312025	60024	5.54	122332	6.76	117285	10.05
VX0602WBL01	66983	5.54	131566	6.76	125222	10.05
VX0602WBS01	88536	5.54	152496	6.76	133074	10.05
VX0602WBSD01	82810	5.54	146139	6.76	127160	10.05

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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

	IS4 AREA #	RT #				
12 HOUR STD	65264	12.018				
UPPER LIMIT	130528	12.518				
LOWER LIMIT	32632	11.518				
EPA SAMPLE NO.						
EB05312025	55855	12.02				
TB05312025	49224	12.02				
VX0602WBL01	51823	12.02				
VX0602WBS01	62985	12.02				
VX0602WBSD01	61222	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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	187797	7.71	325302	8.62	276655	11.42
UPPER LIMIT	375594	8.213	650604	9.115	553310	11.92
LOWER LIMIT	93898.5	7.213	162651	8.115	138328	10.92
EPA SAMPLE NO.						
B-187-SB00	249503	7.71	446768	8.62	313918	11.41
VY0603SBL01	287398	7.71	534399	8.62	428748	11.42
VY0603SBS01	197612	7.71	337632	8.62	284268	11.42
VY0603SBSD01	196295	7.71	333757	8.62	277257	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.

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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

	IS4 AREA #	RT #				
12 HOUR STD	130385	13.346				
UPPER LIMIT	260770	13.846				
LOWER LIMIT	65192.5	12.846				
EPA SAMPLE NO.						
B-187-SB00	80935	13.35				
VY0603SBL01	155262	13.35				
VY0603SBS01	131961	13.35				
VY0603SBSD01	127082	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.

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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	186956	7.71	316261	8.62	266067	11.42
UPPER LIMIT	373912	8.213	632522	9.116	532134	11.92
LOWER LIMIT	93478	7.213	158131	8.116	133034	10.92
EPA SAMPLE NO.						
B-187-SB01	261314	7.71	474753	8.61	386745	11.41
B-187-SB02	280753	7.71	497958	8.61	360175	11.41
VY0604SBL01	271205	7.71	498185	8.62	390593	11.41
VY0604SBS01	177182	7.71	307142	8.62	260223	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.

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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

	IS4 AREA #	RT #				
12 HOUR STD	125910	13.346				
UPPER LIMIT	251820	13.846				
LOWER LIMIT	62955	12.846				
EPA SAMPLE NO.						
B-187-SB01	144573	13.35				
B-187-SB02	103121	13.34				
VY0604SBL01	137326	13.35				
VY0604SBS01	119650	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.

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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	179733	7.71	304462	8.62	260955	11.41
UPPER LIMIT	359466	8.207	608924	9.116	521910	11.914
LOWER LIMIT	89866.5	7.207	152231	8.116	130478	10.914
EPA SAMPLE NO.						
B-202-SB01	270828	7.71	498576	8.61	399252	11.41
VY0605SBL01	260317	7.71	481555	8.61	383268	11.41
VY0605SBS01	185960	7.71	319893	8.62	265176	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.

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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

	IS4 AREA #	RT #				
12 HOUR STD	122317	13.346				
UPPER LIMIT	244634	13.846				
LOWER LIMIT	61158.5	12.846				
EPA SAMPLE NO.						
B-202-SB01	144715	13.34				
VY0605SBL01	134444	13.35				
VY0605SBS01	121174	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
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:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

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

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:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67000	5.544			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51800	12.018			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046435.D	1		06/02/25 11:14	VX060225

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022512.D	1		06/03/25 10:40	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022512.D	1		06/03/25 10:40	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (17) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

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:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022512.D	1		06/03/25 10:40	VY060325

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (17) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.616			
3114-55-4	Chlorobenzene-d5	391000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

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:	VY0604SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022561.D	1		06/05/25 09:11	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022561.D	1		06/05/25 09:11	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		70 (17) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	260000	7.707			
540-36-3	1,4-Difluorobenzene	482000	8.609			
3114-55-4	Chlorobenzene-d5	383000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.346			

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:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022561.D	1		06/05/25 09:11	VY060525

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	18.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

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:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	21.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88500	5.544			
540-36-3	1,4-Difluorobenzene	152000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63000	12.018			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046436.D	1		06/02/25 11:37	VX060225

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

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:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022513.D	1		06/03/25 11:15	VY060325

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.5		3.60	25.0	ug/Kg
108-88-3	Toluene	20.3		0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (17) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	7.707			
540-36-3	1,4-Difluorobenzene	307000	8.616			
3114-55-4	Chlorobenzene-d5	260000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.347			

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:	VY0604SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.2		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.8		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.707			
540-36-3	1,4-Difluorobenzene	320000	8.616			
3114-55-4	Chlorobenzene-d5	265000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

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:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022562.D	1		06/05/25 09:41	VY060525

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	27.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.6		0.22	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	19.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

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:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.6		0.12	1.00	ug/L
100-42-5	Styrene	20.9		0.15	1.00	ug/L
75-25-2	Bromoform	20.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82800	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	127000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61200	12.018			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046437.D	1		06/02/25 12:04	VX060225

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.6		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.707			
540-36-3	1,4-Difluorobenzene	334000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			

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:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

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

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

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

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.849		10.98	20
Chloromethane	0.742	0.817	0.1	10.11	20
Vinyl Chloride	0.691	0.734		6.22	20
Bromomethane	0.320	0.335		4.69	20
Chloroethane	0.369	0.412		11.65	20
Trichlorofluoromethane	1.021	1.136		11.26	20
1,1,2-Trichlorotrifluoroethane	0.632	0.722		14.24	20
1,1-Dichloroethene	0.593	0.650		9.61	20
Acetone	0.374	0.439		17.38	20
Carbon Disulfide	1.406	1.520		8.11	20
Methyl tert-butyl Ether	2.079	2.353		13.18	20
Methyl Acetate	0.867	1.189		37.14	20
Methylene Chloride	0.716	0.757		5.73	20
trans-1,2-Dichloroethene	0.596	0.645		8.22	20
1,1-Dichloroethane	1.219	1.379	0.1	13.13	20
Cyclohexane	1.111	1.177		5.94	20
2-Butanone	0.543	0.604		11.23	20
Carbon Tetrachloride	0.544	0.625		14.89	20
cis-1,2-Dichloroethene	0.718	0.805		12.12	20
Bromochloromethane	0.587	0.610		3.92	20
Chloroform	1.271	1.419		11.64	20
1,1,1-Trichloroethane	1.101	1.237		12.35	20
Methylcyclohexane	0.623	0.681		9.31	20
Benzene	1.417	1.575		11.15	20
1,2-Dichloroethane	0.612	0.699		14.22	20
Trichloroethene	0.341	0.385		12.9	20
1,2-Dichloropropane	0.352	0.411		16.76	20
Bromodichloromethane	0.547	0.648		18.46	20
4-Methyl-2-Pentanone	0.605	0.682		12.73	20
Toluene	0.869	0.958		10.24	20
t-1,3-Dichloropropene	0.487	0.591		21.35	20
cis-1,3-Dichloropropene	0.538	0.646		20.07	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.448	0.509		13.62	20
Dibromochloromethane	0.376	0.460		22.34	20
1,2-Dibromoethane	0.356	0.395		10.95	20
Tetrachloroethene	0.354	0.389		9.89	20
Chlorobenzene	1.094	1.197	0.3	9.41	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.190		13.53	20
m/p-Xylenes	0.706	0.792		12.18	20
o-Xylene	0.688	0.779		13.23	20
Styrene	1.127	1.328		17.83	20
Bromoform	0.281	0.340	0.1	21	20
Isopropylbenzene	3.893	4.366		12.15	20
1,1,2,2-Tetrachloroethane	1.364	1.417	0.3	3.89	20
1,3-Dichlorobenzene	1.649	1.823		10.55	20
1,4-Dichlorobenzene	1.684	1.827		8.49	20
1,2-Dichlorobenzene	1.655	1.818		9.85	20
1,2-Dibromo-3-Chloropropane	0.302	0.337		11.59	20
1,2,4-Trichlorobenzene	0.951	1.078		13.35	20
1,2,3-Trichlorobenzene	0.981	1.103		12.44	20
1,2-Dichloroethane-d4	0.932	0.936		0.43	20
Dibromofluoromethane	0.360	0.394		9.44	20
Toluene-d8	1.246	1.254		0.64	20
4-Bromofluorobenzene	0.478	0.507		6.07	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.404		-9.82	20
Chloromethane	1.322	1.316	0.1	-0.45	20
Vinyl Chloride	1.534	1.560		1.7	20
Bromomethane	1.470	1.393		-5.24	20
Chloroethane	1.053	1.102		4.65	20
Trichlorofluoromethane	1.302	1.272		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.549	0.523		-4.74	20
1,1-Dichloroethene	0.524	0.513		-2.1	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.680		0.06	20
Methyl tert-butyl Ether	1.477	1.494		1.15	20
Methyl Acetate	0.336	0.372		10.71	20
Methylene Chloride	0.645	0.579		-10.23	20
trans-1,2-Dichloroethene	0.587	0.598		1.87	20
1,1-Dichloroethane	1.079	1.105	0.1	2.41	20
Cyclohexane	1.075	0.985		-8.37	20
2-Butanone	0.164	0.160		-2.44	20
Carbon Tetrachloride	0.497	0.487		-2.01	20
cis-1,2-Dichloroethene	0.678	0.701		3.39	20
Bromochloromethane	0.471	0.559		18.68	20
Chloroform	1.069	1.105		3.37	20
1,1,1-Trichloroethane	0.949	0.968		2	20
Methylcyclohexane	0.651	0.616		-5.38	20
Benzene	1.431	1.436		0.35	20
1,2-Dichloroethane	0.391	0.395		1.02	20
Trichloroethene	0.350	0.343		-2	20
1,2-Dichloropropane	0.338	0.343		1.48	20
Bromodichloromethane	0.482	0.494		2.49	20
4-Methyl-2-Pentanone	0.233	0.236		1.29	20
Toluene	0.899	0.901		0.22	20
t-1,3-Dichloropropene	0.452	0.460		1.77	20
cis-1,3-Dichloropropene	0.526	0.531		0.95	20
1,1,2-Trichloroethane	0.243	0.243		0	20
2-Hexanone	0.156	0.155		-0.64	20
Dibromochloromethane	0.308	0.312		1.3	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.422		-1.86	20
Chlorobenzene	1.106	1.118	0.3	1.09	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.059		0.34	20
m/p-Xylenes	0.778	0.765		-1.67	20
o-Xylene	0.729	0.713		-2.19	20
Styrene	1.206	1.220		1.16	20
Bromoform	0.198	0.195	0.1	-1.51	20
Isopropylbenzene	4.105	4.015		-2.19	20
1,1,2,2-Tetrachloroethane	0.674	0.669	0.3	-0.74	20
1,3-Dichlorobenzene	1.755	1.733		-1.25	20
1,4-Dichlorobenzene	1.702	1.659		-2.53	20
1,2-Dichlorobenzene	1.490	1.467		-1.54	20
1,2-Dibromo-3-Chloropropane	0.098	0.103		5.1	20
1,2,4-Trichlorobenzene	0.813	0.835		2.71	20
1,2,3-Trichlorobenzene	0.697	0.701		0.57	20
1,2-Dichloroethane-d4	0.559	0.576		3.04	20
Dibromofluoromethane	0.298	0.300		0.67	20
Toluene-d8	1.206	1.224		1.49	20
4-Bromofluorobenzene	0.359	0.354		-1.39	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.401		-10.49	20
Chloromethane	1.322	1.094	0.1	-17.25	20
Vinyl Chloride	1.534	1.535		0.06	20
Bromomethane	1.470	1.232		-16.19	20
Chloroethane	1.053	1.084		2.94	20
Trichlorofluoromethane	1.302	1.341		2.99	20
1,1,2-Trichlorotrifluoroethane	0.549	0.534		-2.73	20
1,1-Dichloroethene	0.524	0.523		-0.19	20
Acetone	0.114	0.125		9.65	20
Carbon Disulfide	1.679	1.625		-3.22	20
Methyl tert-butyl Ether	1.477	1.427		-3.38	20
Methyl Acetate	0.336	0.345		2.68	20
Methylene Chloride	0.645	0.567		-12.09	20
trans-1,2-Dichloroethene	0.587	0.588		0.17	20
1,1-Dichloroethane	1.079	1.106	0.1	2.5	20
Cyclohexane	1.075	0.988		-8.09	20
2-Butanone	0.164	0.164		0	20
Carbon Tetrachloride	0.497	0.494		-0.6	20
cis-1,2-Dichloroethene	0.678	0.692		2.07	20
Bromochloromethane	0.471	0.467		-0.85	20
Chloroform	1.069	1.094		2.34	20
1,1,1-Trichloroethane	0.949	0.960		1.16	20
Methylcyclohexane	0.651	0.621		-4.61	20
Benzene	1.431	1.453		1.54	20
1,2-Dichloroethane	0.391	0.386		-1.28	20
Trichloroethene	0.350	0.358		2.29	20
1,2-Dichloropropane	0.338	0.339		0.3	20
Bromodichloromethane	0.482	0.487		1.04	20
4-Methyl-2-Pentanone	0.233	0.221		-5.15	20
Toluene	0.899	0.907		0.89	20
t-1,3-Dichloropropene	0.452	0.445		-1.55	20
cis-1,3-Dichloropropene	0.526	0.527		0.19	20
1,1,2-Trichloroethane	0.243	0.235		-3.29	20
2-Hexanone	0.156	0.154		-1.28	20
Dibromochloromethane	0.308	0.299		-2.92	20
1,2-Dibromoethane	0.221	0.214		-3.17	20
Tetrachloroethene	0.430	0.438		1.86	20
Chlorobenzene	1.106	1.123	0.3	1.54	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.102		2.44	20
m/p-Xylenes	0.778	0.788		1.28	20
o-Xylene	0.729	0.739		1.37	20
Styrene	1.206	1.238		2.65	20
Bromoform	0.198	0.190	0.1	-4.04	20
Isopropylbenzene	4.105	4.139		0.83	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,3-Dichlorobenzene	1.755	1.760		0.28	20
1,4-Dichlorobenzene	1.702	1.707		0.29	20
1,2-Dichlorobenzene	1.490	1.481		-0.6	20
1,2-Dibromo-3-Chloropropane	0.098	0.092		-6.12	20
1,2,4-Trichlorobenzene	0.813	0.814		0.12	20
1,2,3-Trichlorobenzene	0.697	0.680		-2.44	20
1,2-Dichloroethane-d4	0.559	0.563		0.72	20
Dibromofluoromethane	0.298	0.309		3.69	20
Toluene-d8	1.206	1.268		5.14	20
4-Bromofluorobenzene	0.359	0.368		2.51	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.407		-9.15	20
Chloromethane	1.322	1.167	0.1	-11.73	20
Vinyl Chloride	1.534	1.704		11.08	20
Bromomethane	1.470	1.259		-14.35	20
Chloroethane	1.053	1.178		11.87	20
Trichlorofluoromethane	1.302	1.466		12.6	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.529		0.95	20
Acetone	0.114	0.119		4.39	20
Carbon Disulfide	1.679	1.678		-0.06	20
Methyl tert-butyl Ether	1.477	1.489		0.81	20
Methyl Acetate	0.336	0.321		-4.46	20
Methylene Chloride	0.645	0.623		-3.41	20
trans-1,2-Dichloroethene	0.587	0.597		1.7	20
1,1-Dichloroethane	1.079	1.131	0.1	4.82	20
Cyclohexane	1.075	1.015		-5.58	20
2-Butanone	0.164	0.168		2.44	20
Carbon Tetrachloride	0.497	0.510		2.62	20
cis-1,2-Dichloroethene	0.678	0.708		4.43	20
Bromochloromethane	0.471	0.484		2.76	20
Chloroform	1.069	1.129		5.61	20
1,1,1-Trichloroethane	0.949	1.003		5.69	20
Methylcyclohexane	0.651	0.658		1.08	20
Benzene	1.431	1.500		4.82	20
1,2-Dichloroethane	0.391	0.402		2.81	20
Trichloroethene	0.350	0.367		4.86	20
1,2-Dichloropropane	0.338	0.353		4.44	20
Bromodichloromethane	0.482	0.512		6.22	20
4-Methyl-2-Pentanone	0.233	0.240		3	20
Toluene	0.899	0.944		5.01	20
t-1,3-Dichloropropene	0.452	0.472		4.43	20
cis-1,3-Dichloropropene	0.526	0.554		5.32	20
1,1,2-Trichloroethane	0.243	0.250		2.88	20
2-Hexanone	0.156	0.159		1.92	20
Dibromochloromethane	0.308	0.322		4.55	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.480		11.63	20
Chlorobenzene	1.106	1.148	0.3	3.8	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.148		4.68	20
m/p-Xylenes	0.778	0.814		4.63	20
o-Xylene	0.729	0.760		4.25	20
Styrene	1.206	1.279		6.05	20
Bromoform	0.198	0.198	0.1	0	20
Isopropylbenzene	4.105	4.258		3.73	20
1,1,2,2-Tetrachloroethane	0.674	0.657	0.3	-2.52	20
1,3-Dichlorobenzene	1.755	1.819		3.65	20
1,4-Dichlorobenzene	1.702	1.768		3.88	20
1,2-Dichlorobenzene	1.490	1.543		3.56	20
1,2-Dibromo-3-Chloropropane	0.098	0.104		6.12	20
1,2,4-Trichlorobenzene	0.813	0.903		11.07	20
1,2,3-Trichlorobenzene	0.697	0.752		7.89	20
1,2-Dichloroethane-d4	0.559	0.564		0.89	20
Dibromofluoromethane	0.298	0.302		1.34	20
Toluene-d8	1.206	1.228		1.82	20
4-Bromofluorobenzene	0.359	0.364		1.39	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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134811	48.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.620%			
35) Dibromofluoromethane	7.634	113	137946	51.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.103	98	524997	48.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.402	95	98946	30.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.640%			

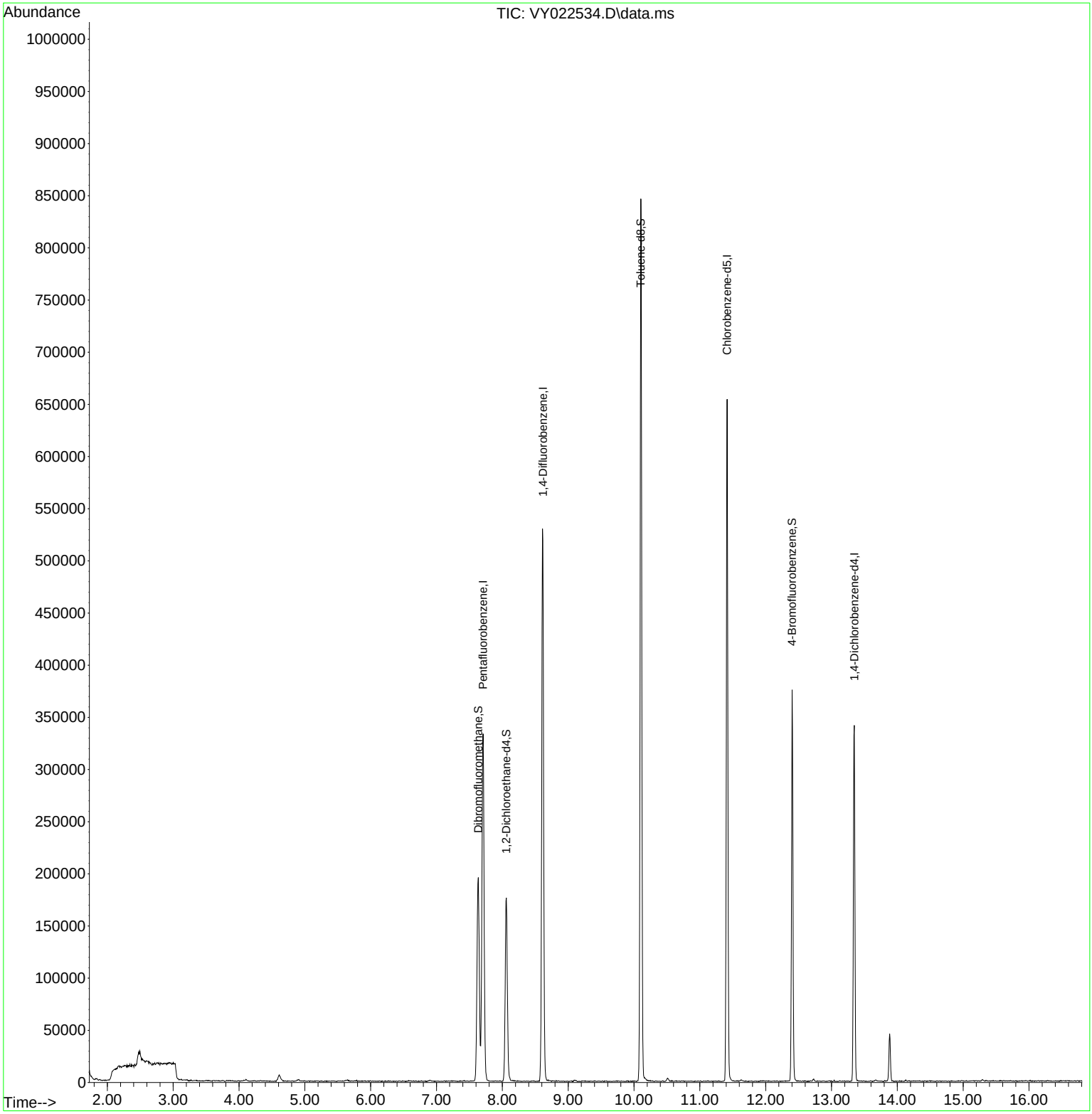
Target Compounds Qvalue

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

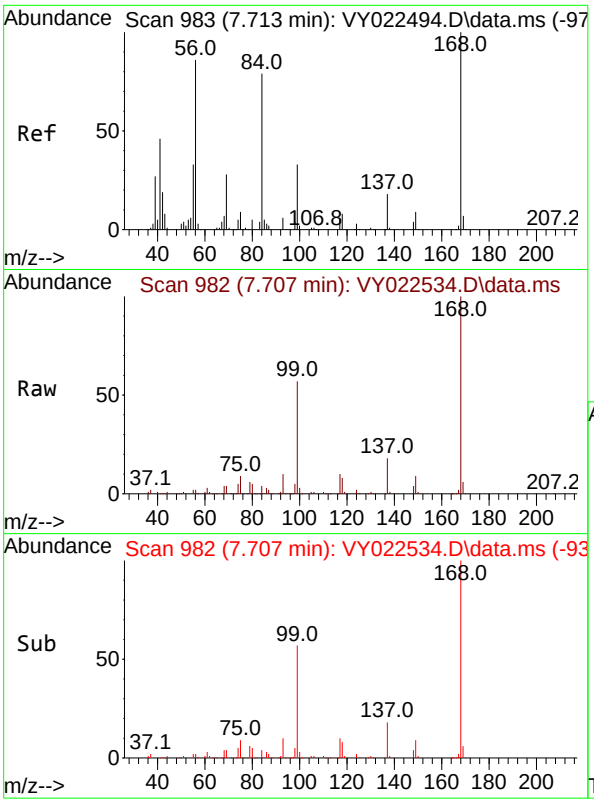
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



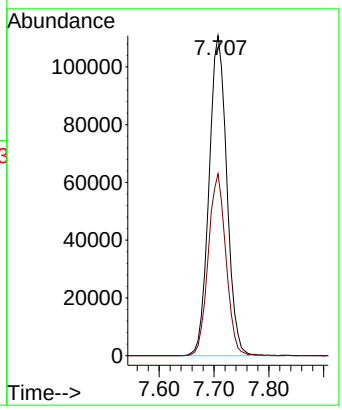
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

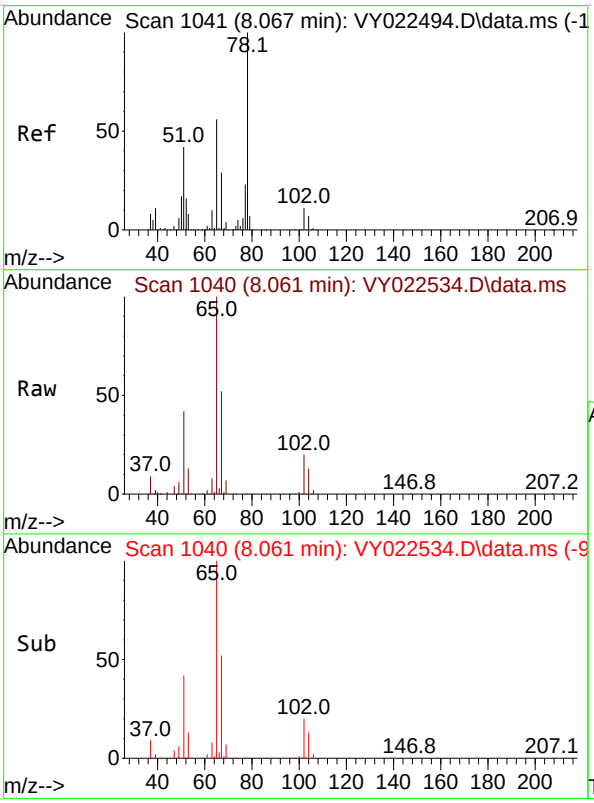


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:168 Resp: 249503

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.3	66.5

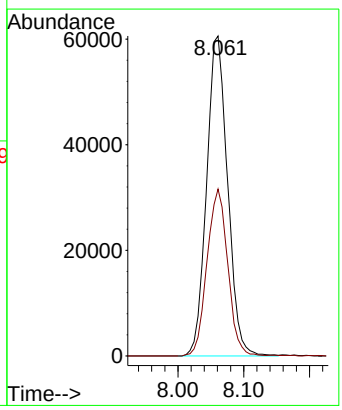


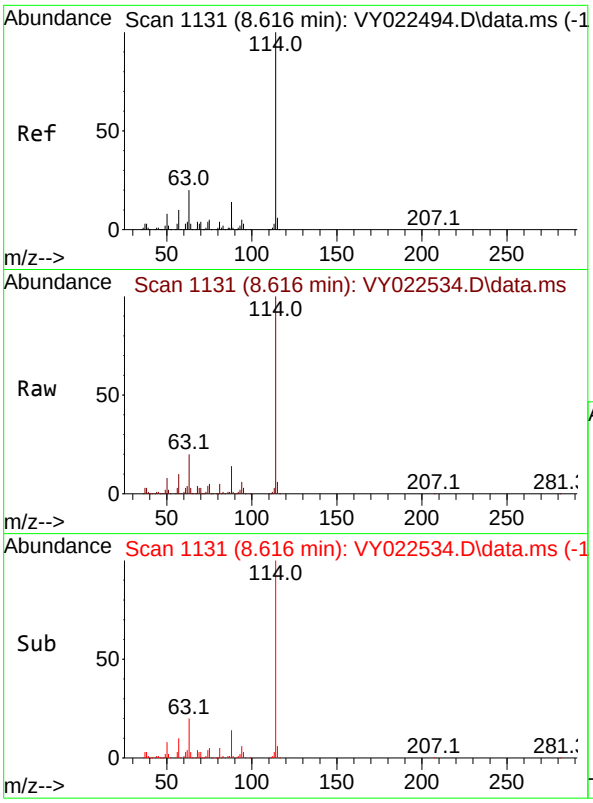


#33
1,2-Dichloroethane-d4
Concen: 48.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 65 Resp: 134811

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



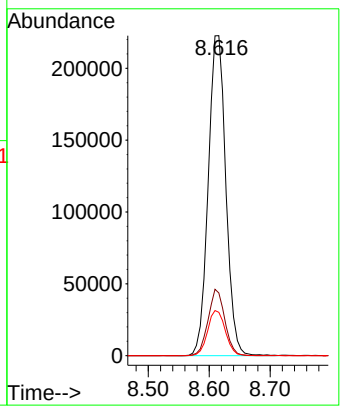


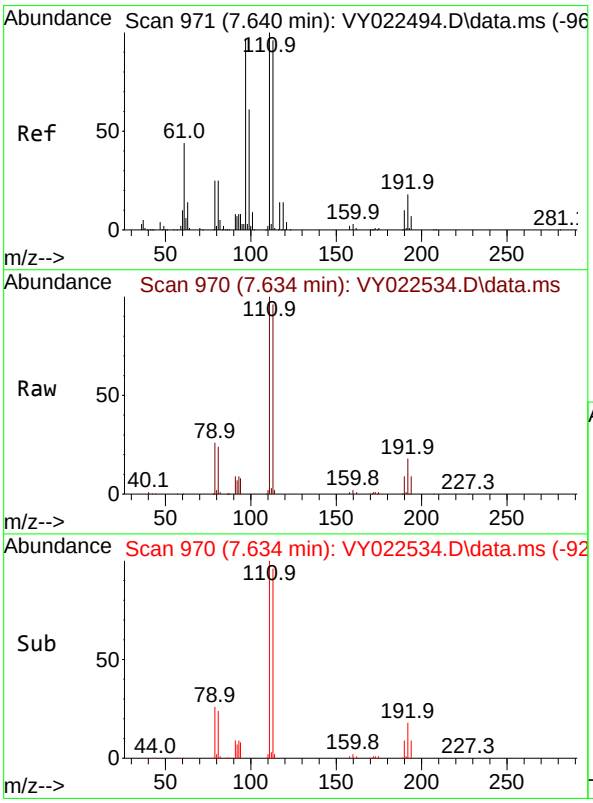
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:114 Resp: 446768

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	13.6	0.0	27.8

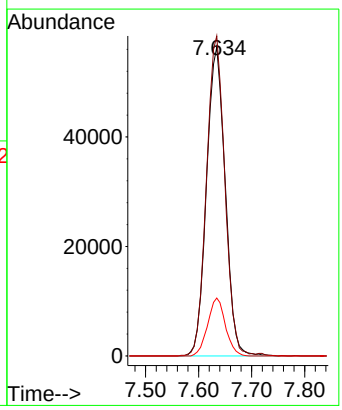


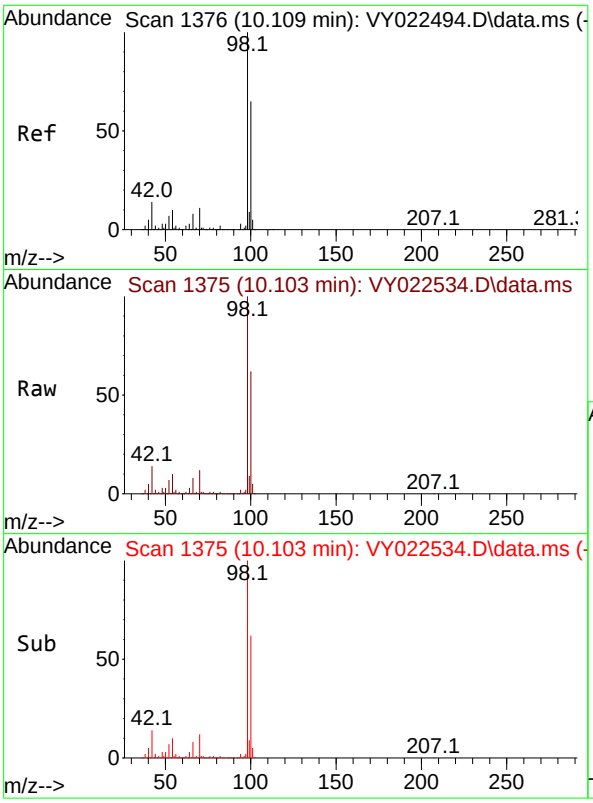


#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:113 Resp: 137946

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	17.9	14.2	21.2



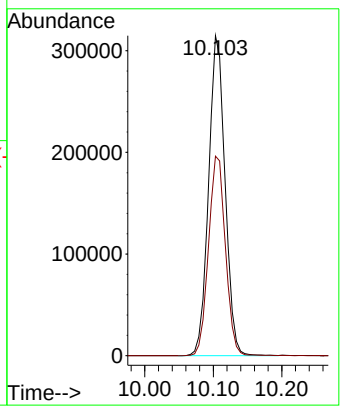


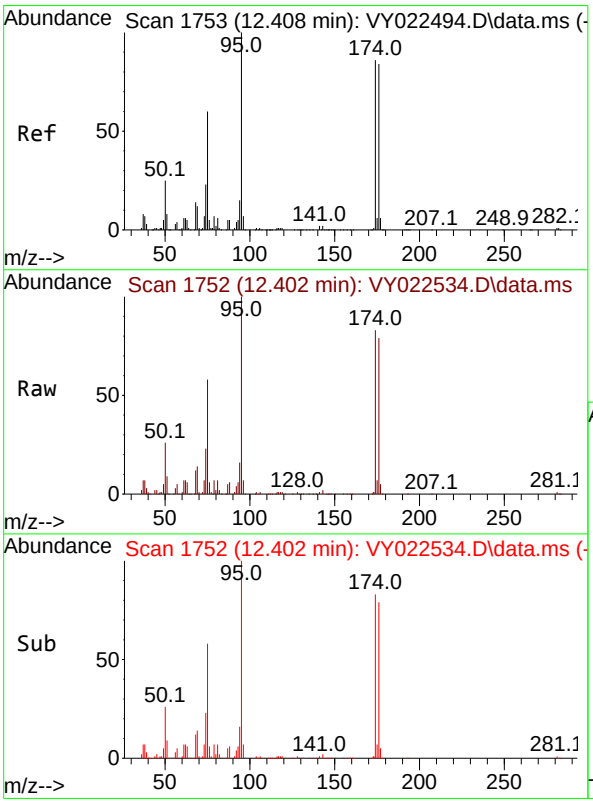
#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion: 98 Resp: 524997

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

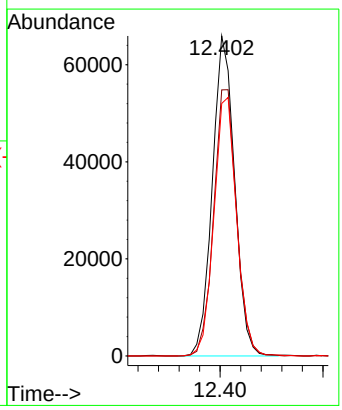


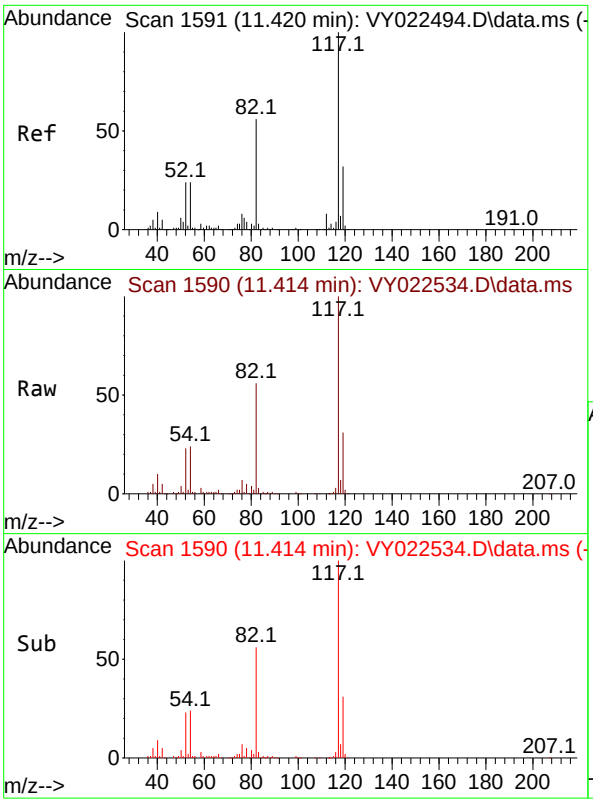


#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 95 Resp: 98946

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.0
176	82.5	0.0	166.2



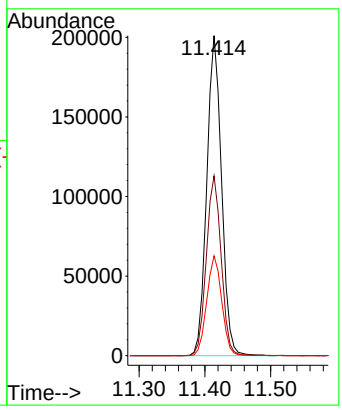


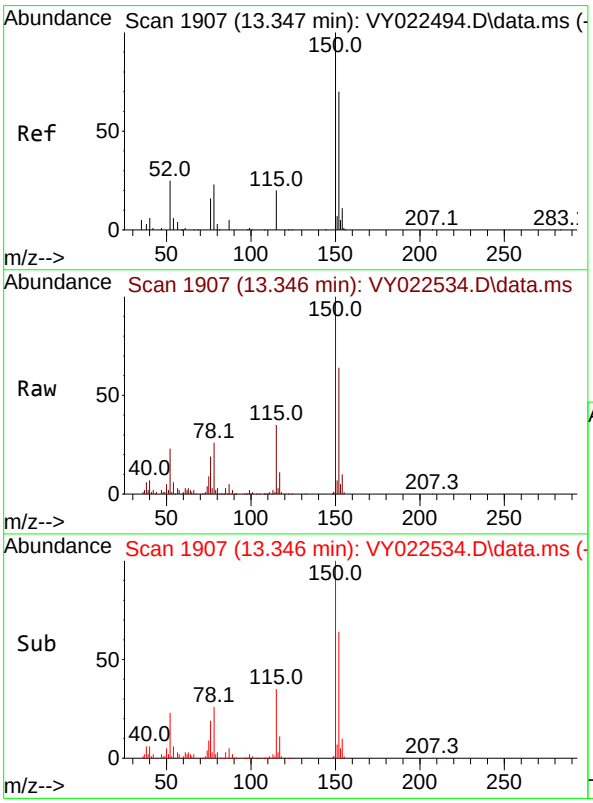
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:117 Resp: 313918

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	31.2	25.4	38.0

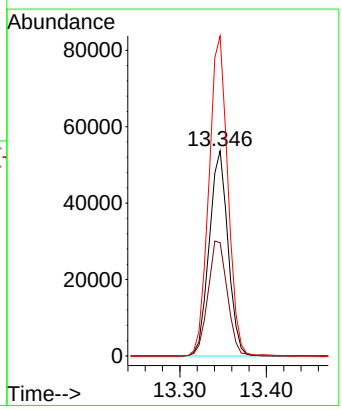




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:152 Resp: 80935

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	157.2	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.123	51	66	67	rBV4	10980	43389	3.03%	0.676%
2	2.477	119	124	125	rBV3	11864	18153	1.27%	0.283%
3	4.610	466	474	484	rBV5	6431	19534	1.36%	0.304%
4	7.634	959	970	976	rBV	195026	479471	33.46%	7.471%
5	7.707	976	982	993	rVB	332337	753188	52.57%	11.737%
6	8.061	1031	1040	1052	rBV	175823	397045	27.71%	6.187%
7	8.610	1122	1130	1141	rBV	529629	1058403	73.87%	16.493%
8	10.103	1368	1375	1390	rBV	845479	1432795	100.00%	22.327%
9	11.414	1583	1590	1605	rVB	653434	1031616	72.00%	16.075%
10	12.402	1745	1752	1764	rVB	375110	573480	40.03%	8.936%
11	13.346	1900	1907	1914	rBV	341030	537377	37.51%	8.374%
12	13.883	1988	1995	2001	rVB2	45332	73002	5.10%	1.138%

Sum of corrected areas: 6417453

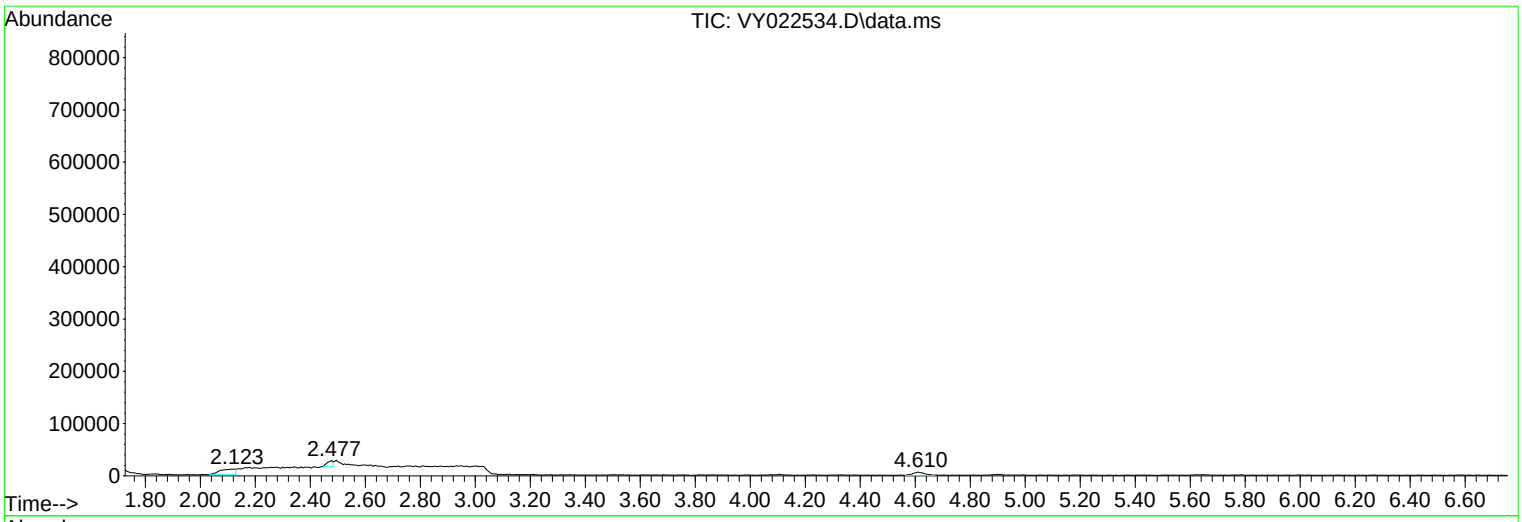
Sample Results: **VY022534.D**

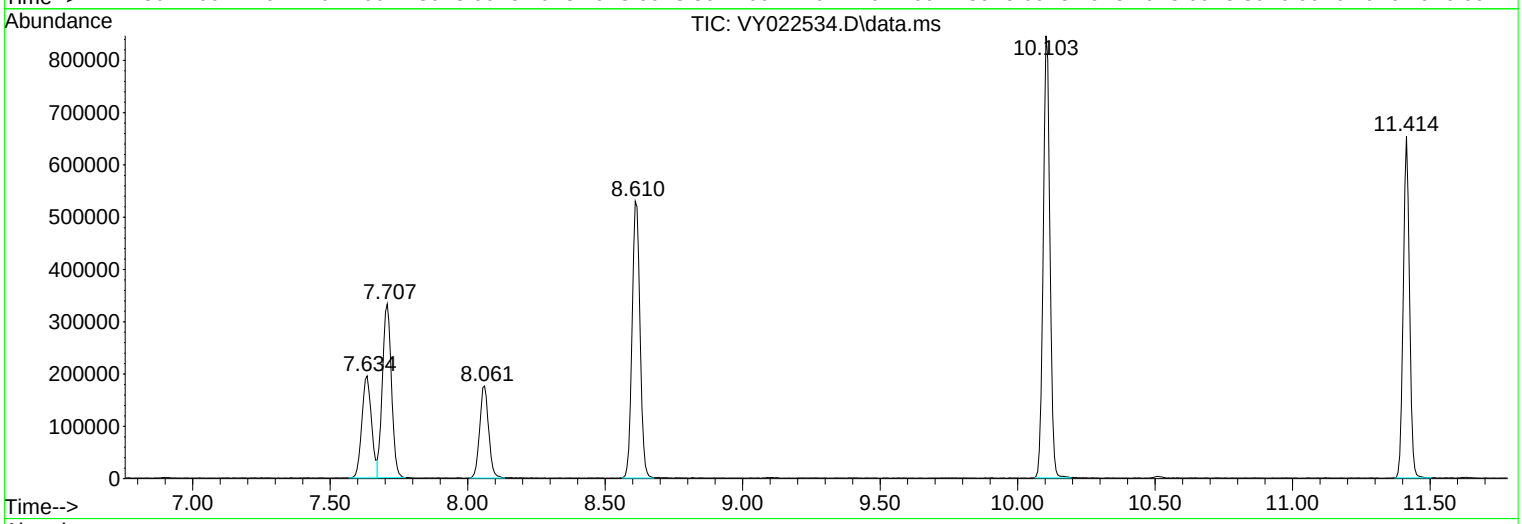
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

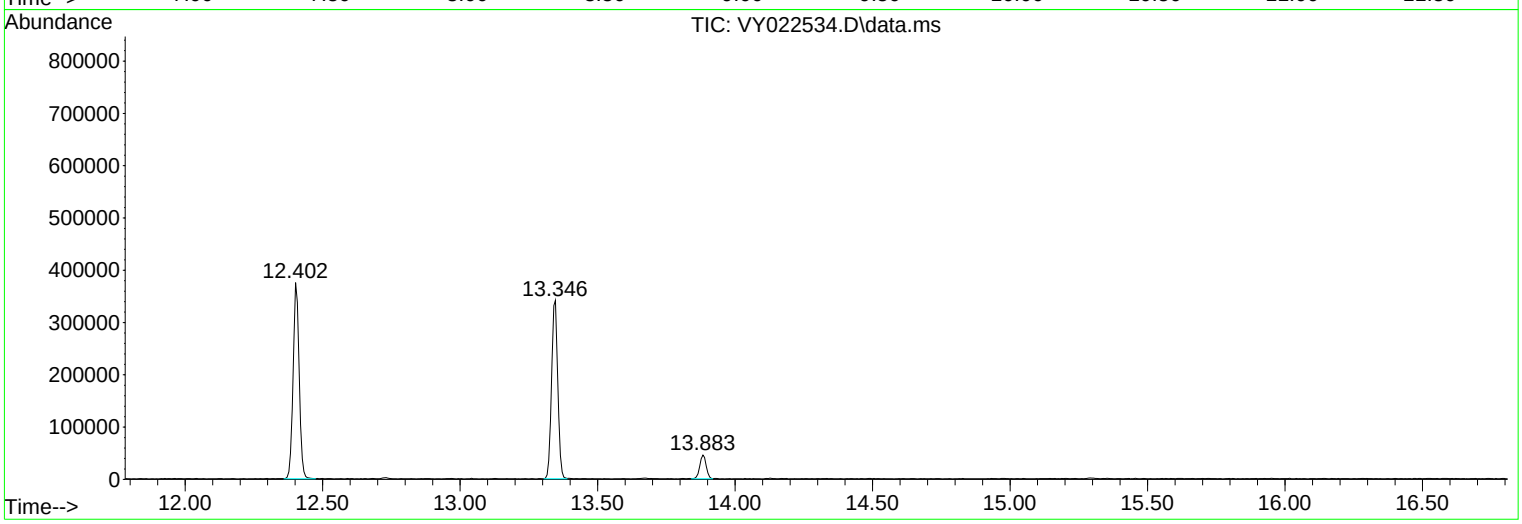
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	261314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	474753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152512	52.183	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.360%			
35) Dibromofluoromethane	7.634	113	144981	51.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.103	98	570663	49.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.401	95	146159	42.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			

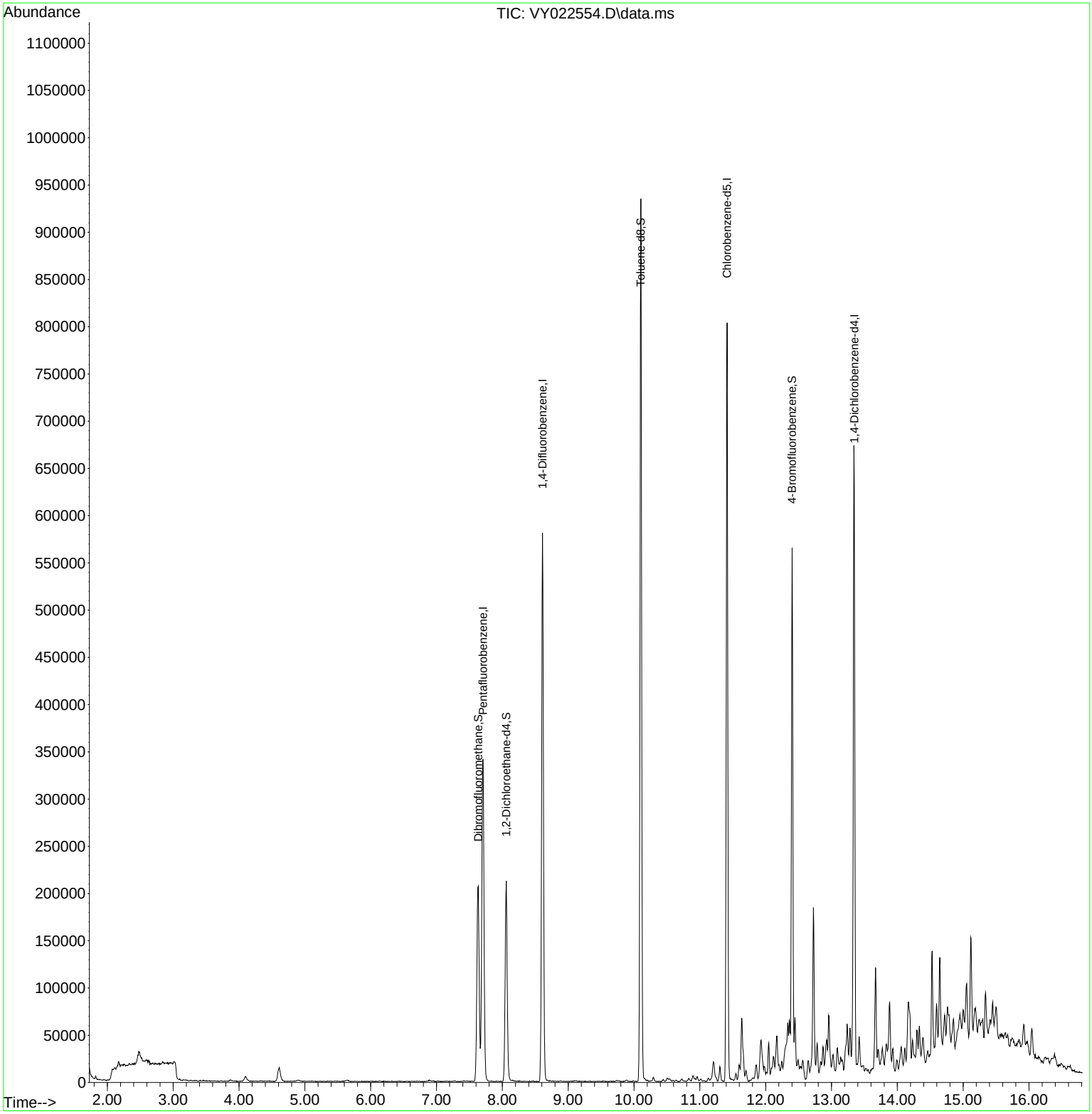
Target Compounds Qvalue

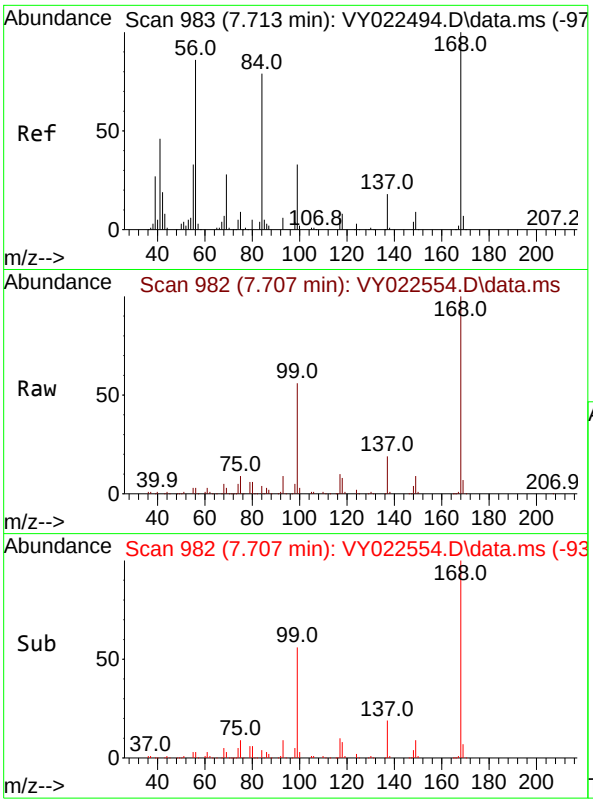
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



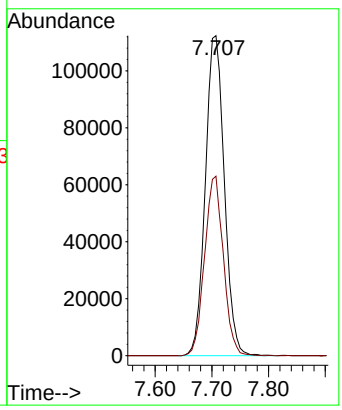


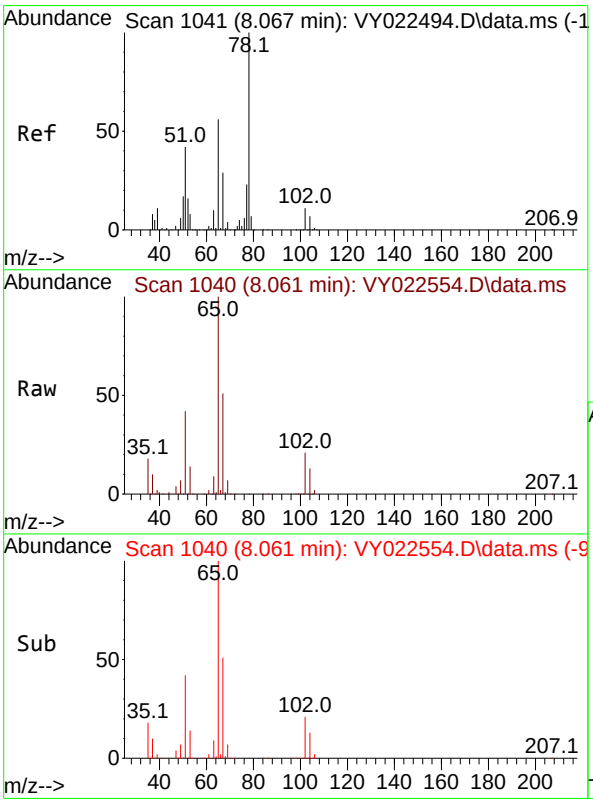
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:168 Resp: 261314

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

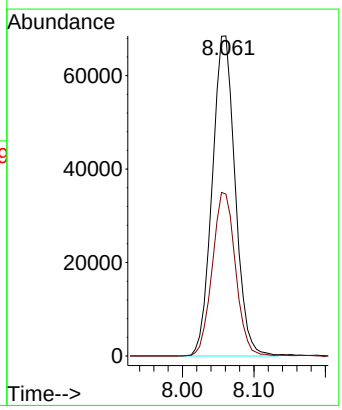


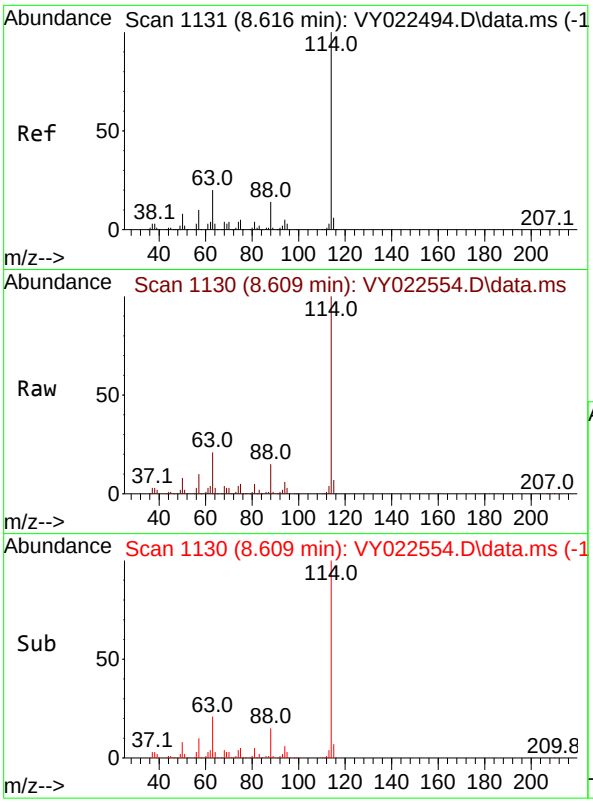


#33
1,2-Dichloroethane-d4
Concen: 52.183 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 65 Resp: 152512

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



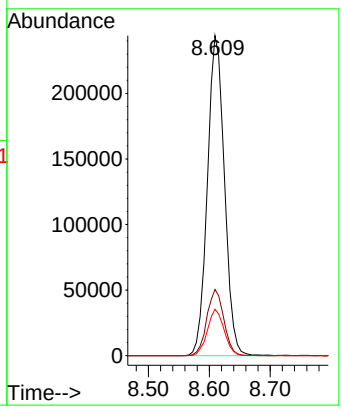


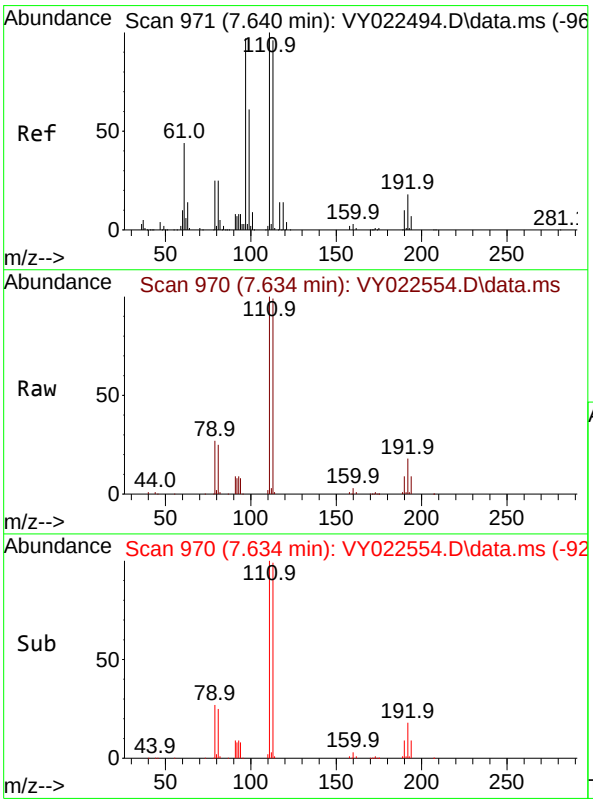
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:114 Resp: 474753

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

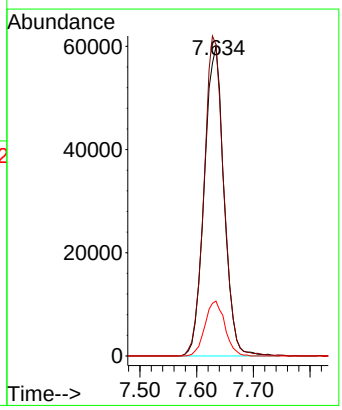


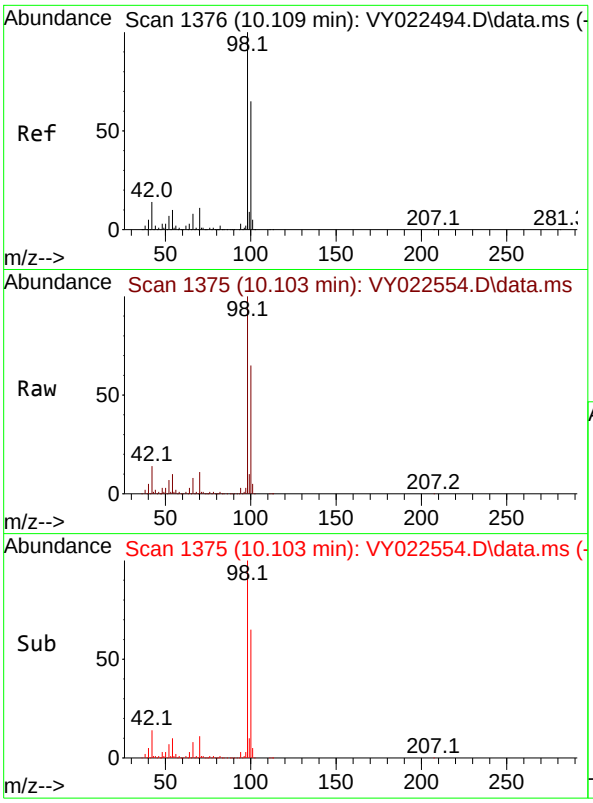


#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:113 Resp: 144981

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	17.9	14.2	21.2



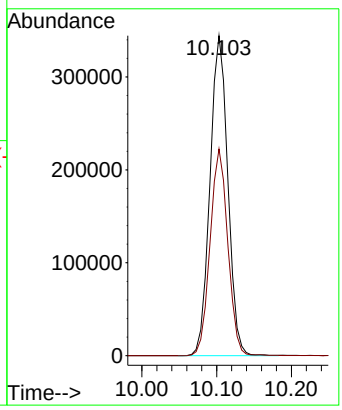


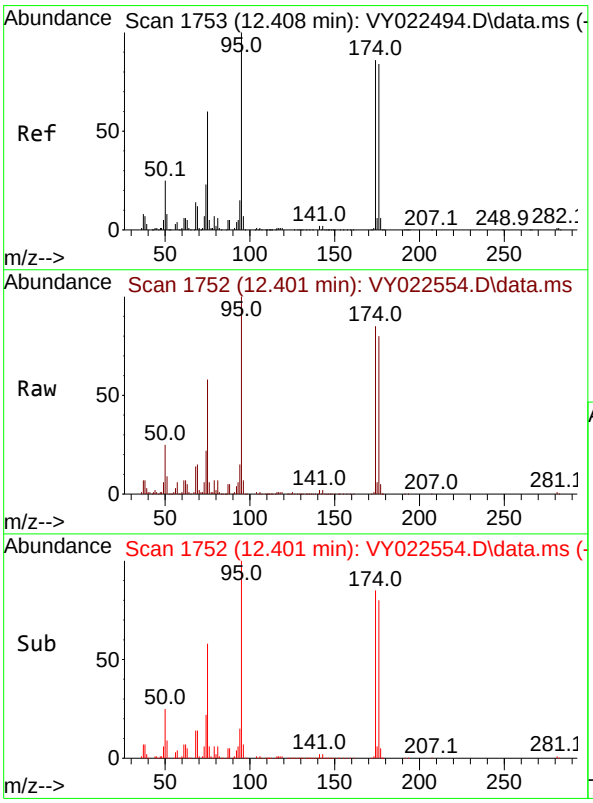
#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion: 98 Resp: 570663

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

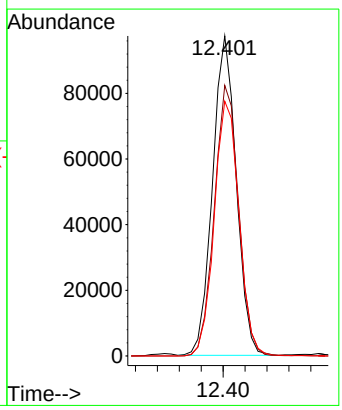


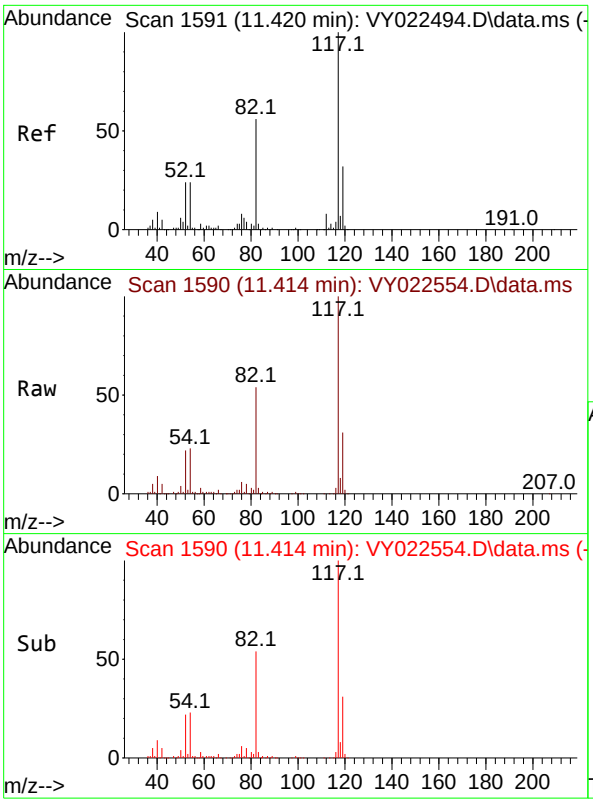


#62
4-Bromofluorobenzene
Concen: 42.843 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 95 Resp: 146159

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	170.0
176	83.4	0.0	166.2



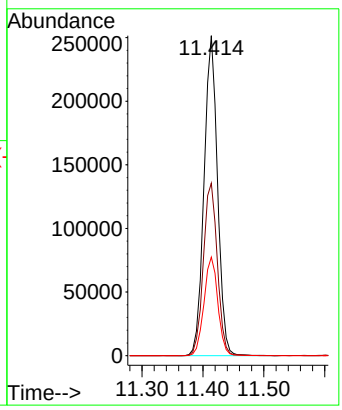


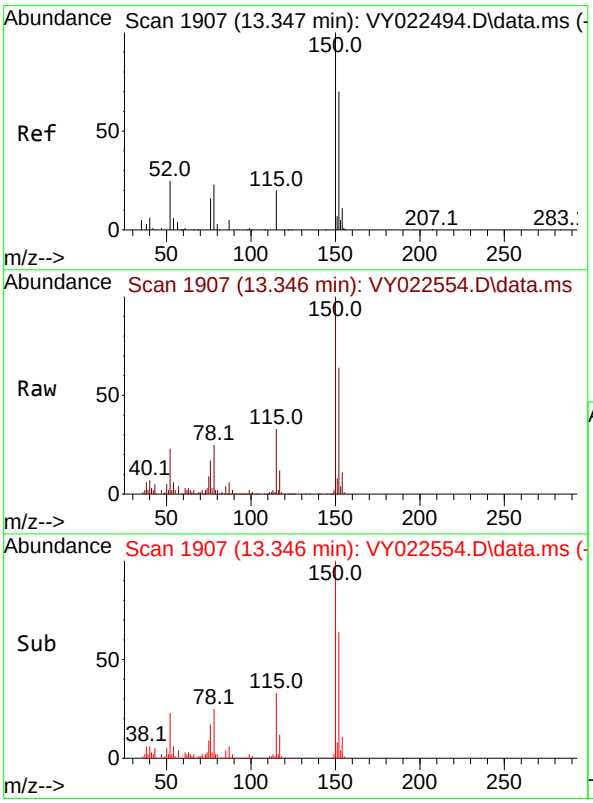
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:117 Resp: 386745

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	66.8
119	30.8	25.4	38.0

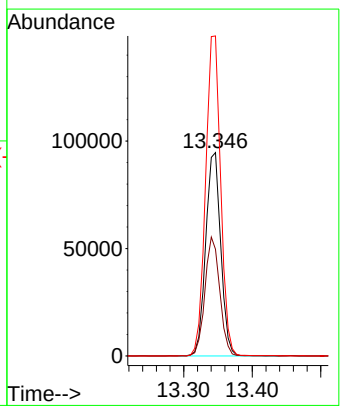




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:152 Resp: 144573

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	157.4	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV5	11140	24531	1.57%	0.211%
2	4.610	464	474	488	rVB3	14744	44240	2.84%	0.380%
3	7.634	959	970	975	rBV	206595	498552	31.98%	4.285%
4	7.707	975	982	997	rVB	340662	801743	51.43%	6.891%
5	8.061	1031	1040	1052	rBV	212029	455536	29.22%	3.915%
6	8.609	1121	1130	1140	rBV	580880	1130879	72.55%	9.720%
7	10.103	1364	1375	1383	rBV	934383	1558851	100.00%	13.398%
8	11.206	1546	1556	1567	rVB4	20396	52024	3.34%	0.447%
9	11.304	1567	1572	1577	rBV2	15091	23227	1.49%	0.200%
10	11.414	1582	1590	1599	rBV	802989	1273247	81.68%	10.943%
11	11.597	1615	1620	1623	rVV2	16736	30137	1.93%	0.259%
12	11.633	1623	1626	1634	rVV2	66387	137883	8.85%	1.185%
13	11.700	1634	1637	1643	rVB3	11495	19584	1.26%	0.168%
14	11.859	1658	1663	1667	rVB2	14577	24107	1.55%	0.207%
15	11.932	1667	1675	1681	rBV4	40994	106263	6.82%	0.913%
16	12.048	1690	1694	1697	rVV	34356	47408	3.04%	0.407%
17	12.121	1697	1706	1709	rVV6	19439	44909	2.88%	0.386%
18	12.170	1709	1714	1718	rVV3	40281	77228	4.95%	0.664%
19	12.243	1722	1726	1729	rVV4	11936	18431	1.18%	0.158%
20	12.334	1729	1741	1743	rVV4	51577	144724	9.28%	1.244%
21	12.359	1743	1745	1748	rVV	53733	83205	5.34%	0.715%
22	12.401	1748	1752	1757	rVV	552978	849260	54.48%	7.299%
23	12.444	1757	1759	1763	rVV3	54923	69546	4.46%	0.598%
24	12.560	1776	1778	1785	rVB4	20163	35171	2.26%	0.302%
25	12.645	1785	1792	1796	rBV4	19797	39997	2.57%	0.344%
26	12.724	1796	1805	1811	rVV2	177738	298837	19.17%	2.568%
27	12.779	1811	1814	1819	rVB2	31705	47907	3.07%	0.412%
28	12.834	1819	1823	1825	rBV4	11662	16660	1.07%	0.143%
29	12.871	1825	1829	1832	rVV3	25597	40010	2.57%	0.344%
30	12.926	1832	1838	1840	rVV5	31415	62610	4.02%	0.538%
31	12.956	1840	1843	1850	rVV2	55717	94055	6.03%	0.808%
32	13.023	1850	1854	1860	rVB4	17368	29632	1.90%	0.255%
33	13.090	1860	1865	1870	rBV2	24635	46354	2.97%	0.398%
34	13.237	1880	1889	1893	rBV3	48915	113643	7.29%	0.977%
35	13.279	1893	1896	1899	rVV2	43580	65175	4.18%	0.560%
36	13.340	1899	1906	1913	rVV	659055	1039417	66.68%	8.934%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-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\82Y060225S.M
Title : SW846 8260

37	13.419	1915	1919	1926	rVB4	32135	46963	3.01%	0.404%
38	13.669	1954	1960	1964	rVV3	109043	172783	11.08%	1.485%
39	13.712	1964	1967	1971	rVV3	19330	28787	1.85%	0.247%
40	13.773	1971	1977	1982	rVB5	18984	33753	2.17%	0.290%
41	13.834	1982	1987	1989	rBV3	21933	38865	2.49%	0.334%
42	13.883	1990	1995	2000	rVB2	62906	102498	6.58%	0.881%
43	13.932	2000	2003	2009	rVB3	23841	34981	2.24%	0.301%
44	13.993	2009	2013	2017	rBV3	11949	20100	1.29%	0.173%
45	14.060	2017	2024	2029	rBV7	23448	51061	3.28%	0.439%
46	14.114	2029	2033	2036	rBV5	18100	26573	1.70%	0.228%
47	14.169	2036	2042	2049	rBV7	62400	168087	10.78%	1.445%
48	14.230	2049	2052	2059	rBV5	19264	28086	1.80%	0.241%
49	14.297	2059	2063	2066	rBV4	29262	39486	2.53%	0.339%
50	14.334	2066	2069	2073	rVB3	31688	41695	2.67%	0.358%
51	14.389	2073	2078	2084	rVB6	26367	54926	3.52%	0.472%
52	14.462	2086	2090	2093	rBV6	11209	19240	1.23%	0.165%
53	14.529	2096	2101	2107	rBV2	110184	167222	10.73%	1.437%
54	14.596	2107	2112	2115	rBV3	46165	68573	4.40%	0.589%
55	14.645	2115	2120	2127	rVB2	92167	147770	9.48%	1.270%
56	14.718	2127	2132	2135	rBV5	30858	55734	3.58%	0.479%
57	14.761	2135	2139	2142	rBV5	30310	48718	3.13%	0.419%
58	14.852	2151	2154	2158	rVB6	30620	45754	2.94%	0.393%
59	14.950	2158	2170	2174	rBV9	35666	122046	7.83%	1.049%
60	14.998	2175	2178	2182	rVV5	33250	65105	4.18%	0.560%
61	15.053	2182	2187	2192	rVV3	58248	113337	7.27%	0.974%
62	15.114	2192	2197	2203	rVV2	105952	175391	11.25%	1.507%
63	15.187	2203	2209	2214	rVB8	25654	64366	4.13%	0.553%
64	15.340	2230	2234	2241	rBV3	47937	86273	5.53%	0.741%
65	15.450	2249	2252	2255	rVB3	24812	28555	1.83%	0.245%
66	15.919	2325	2329	2334	rVB2	21239	34219	2.20%	0.294%
67	16.041	2345	2349	2357	rVB2	30379	59074	3.79%	0.508%

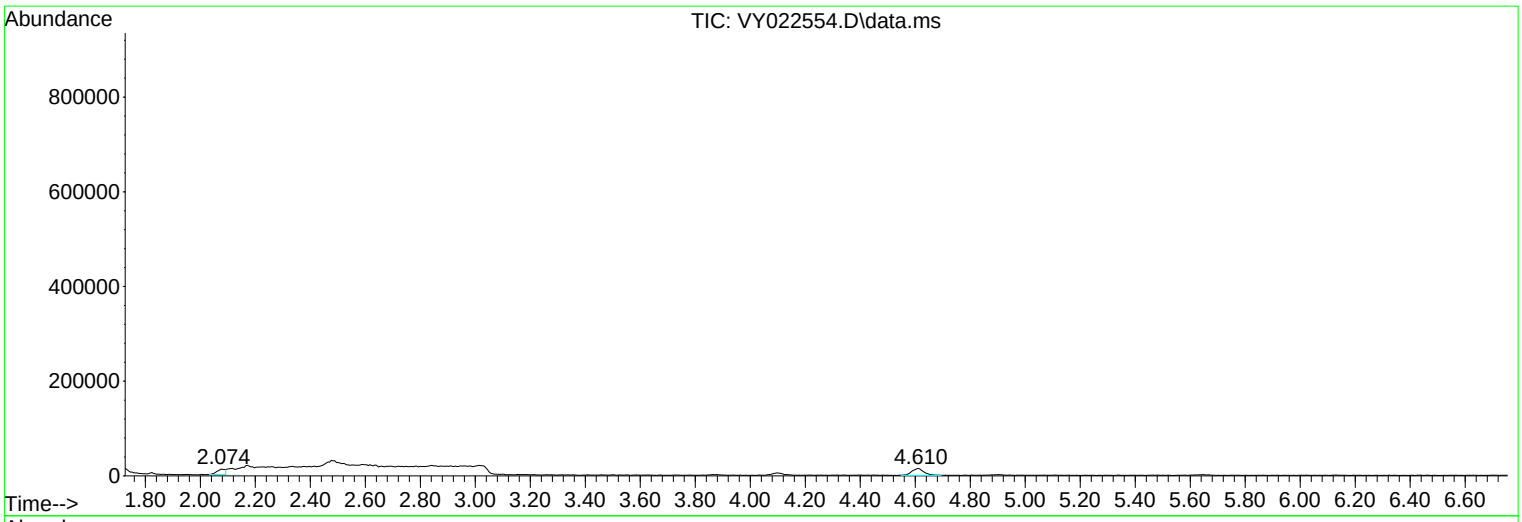
Sum of corrected areas: 11635004

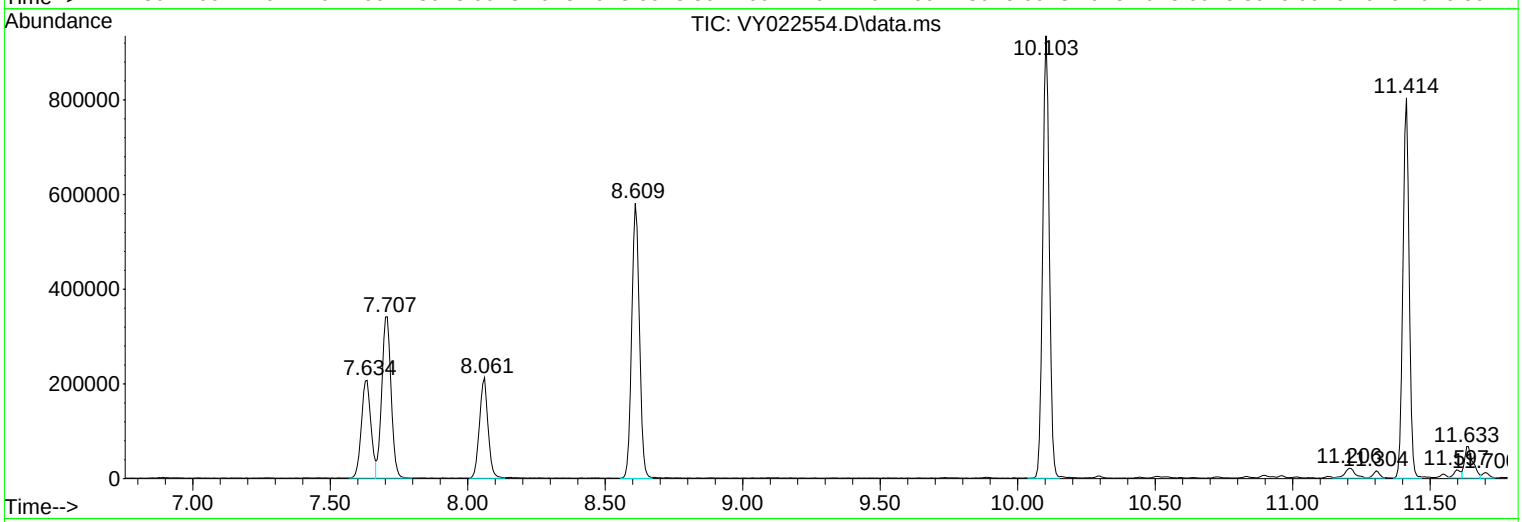
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

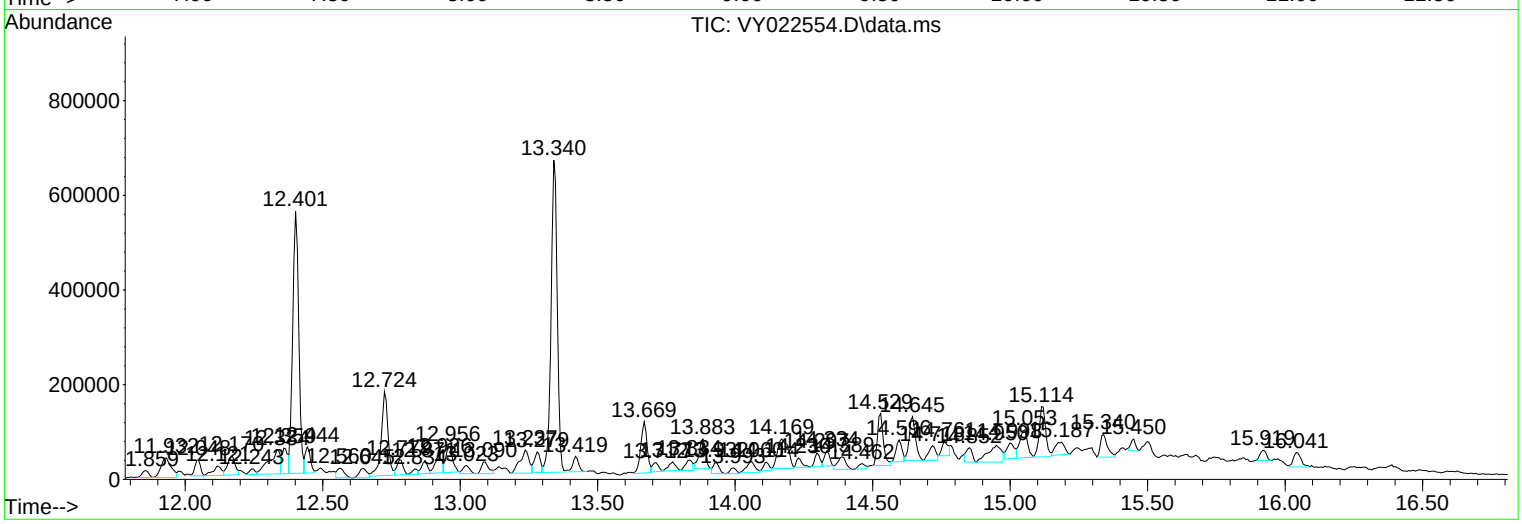
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

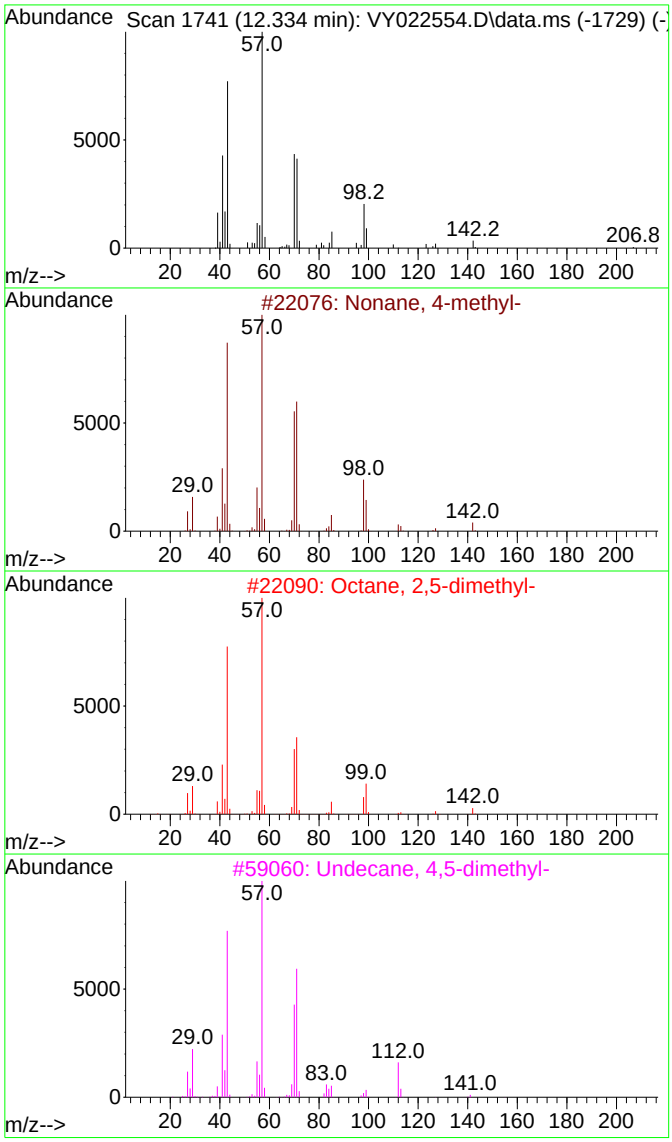
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

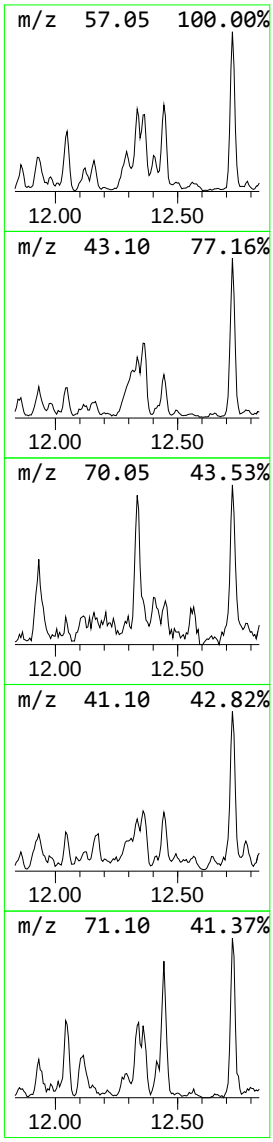
****

Peak Number 1 Nonane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.334	5.68 ug/l	144724	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	74
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

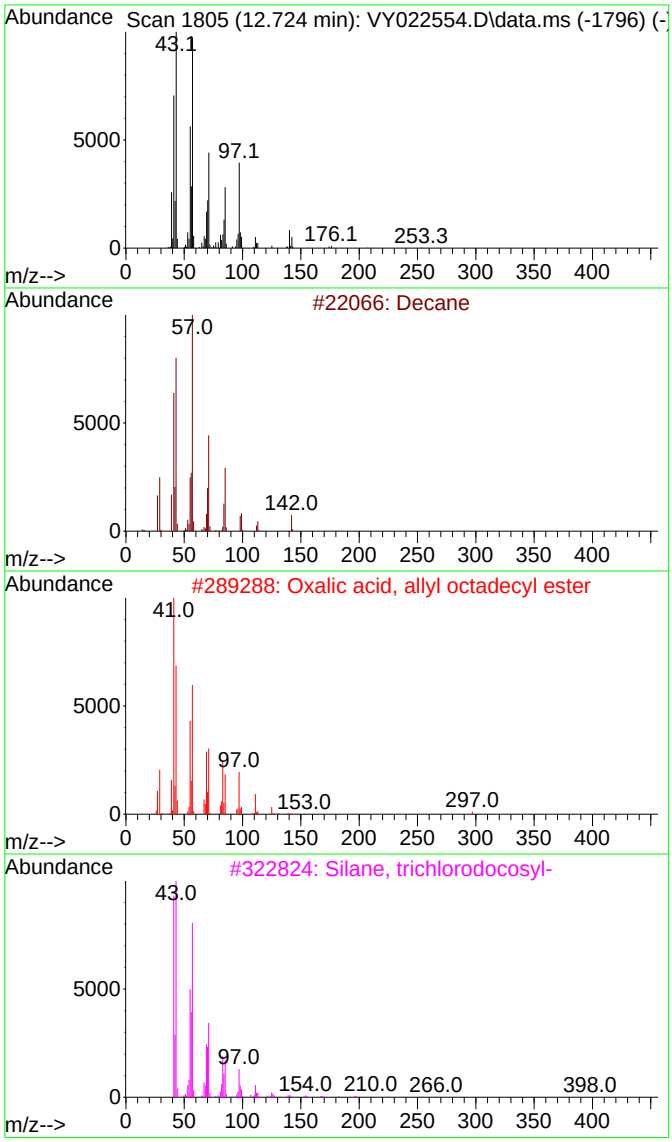
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

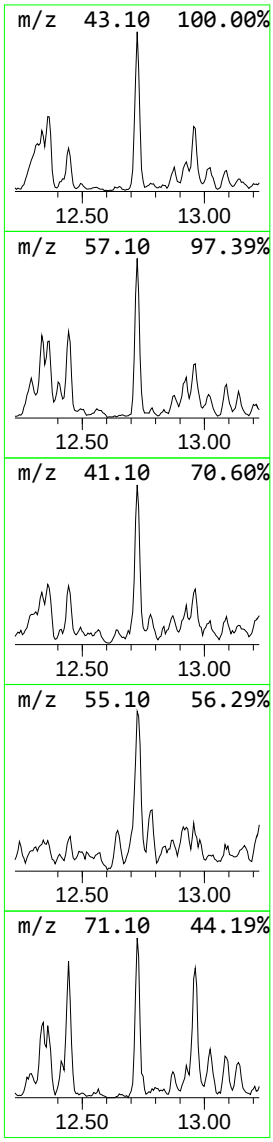
****

Peak Number 2 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	14.38 ug/l	298837	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	89
2	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	59
3	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	47
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38
5	Oxalic acid, heptyl isohexyl ester	272	C15H28O4	1000309-33-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

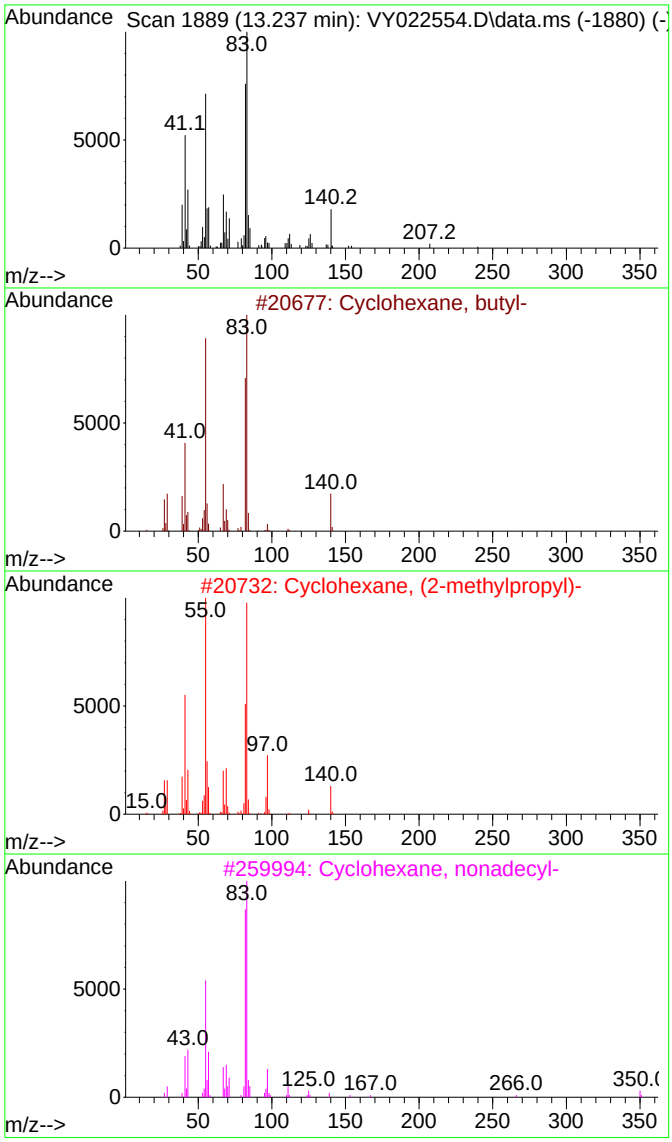
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

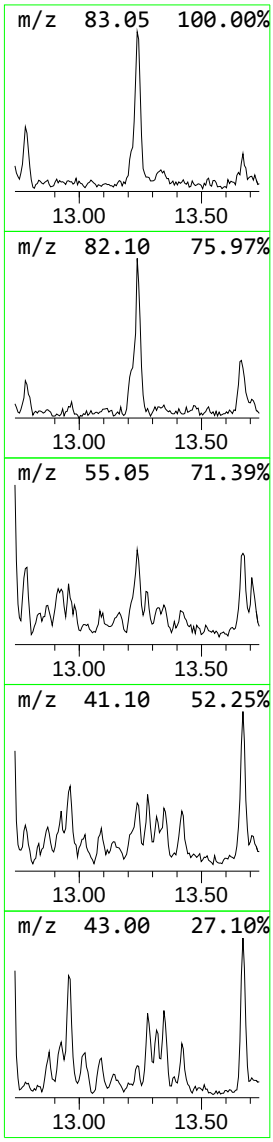
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	5.47 ug/l	113643	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	80
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	80
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

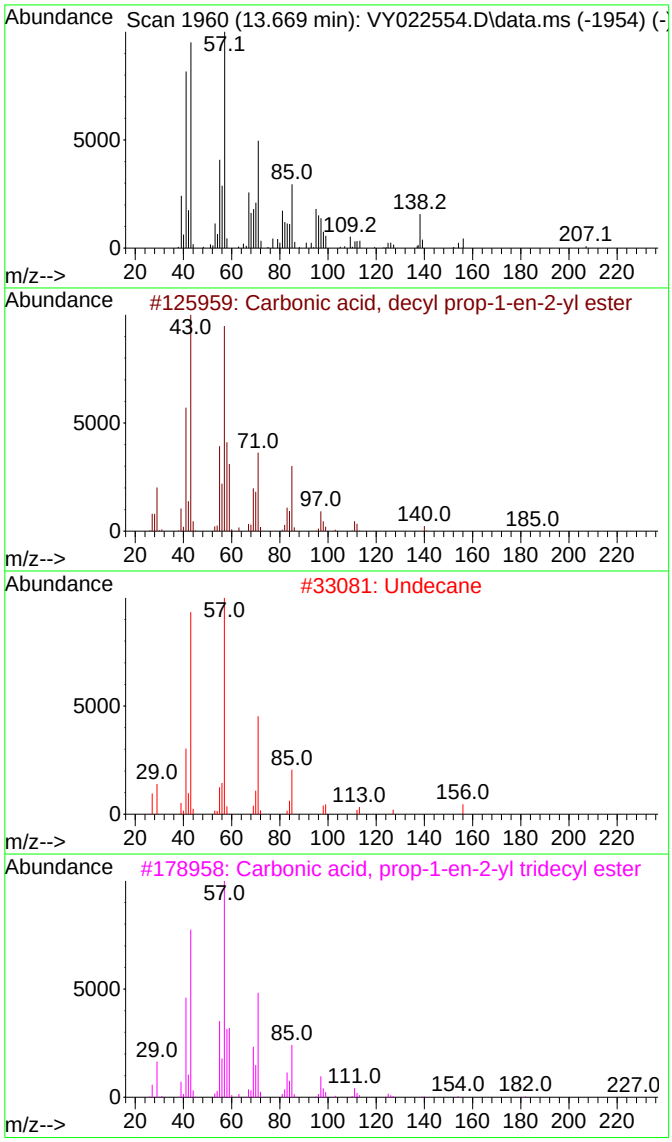
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

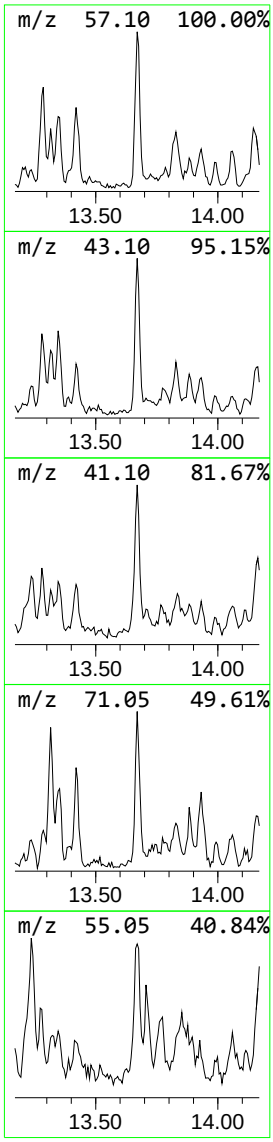
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Carbonic acid, decyl prop-1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	8.31 ug/l	172783	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	58
2	Undecane	156	C11H24	001120-21-4	55
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	52
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	52
5	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

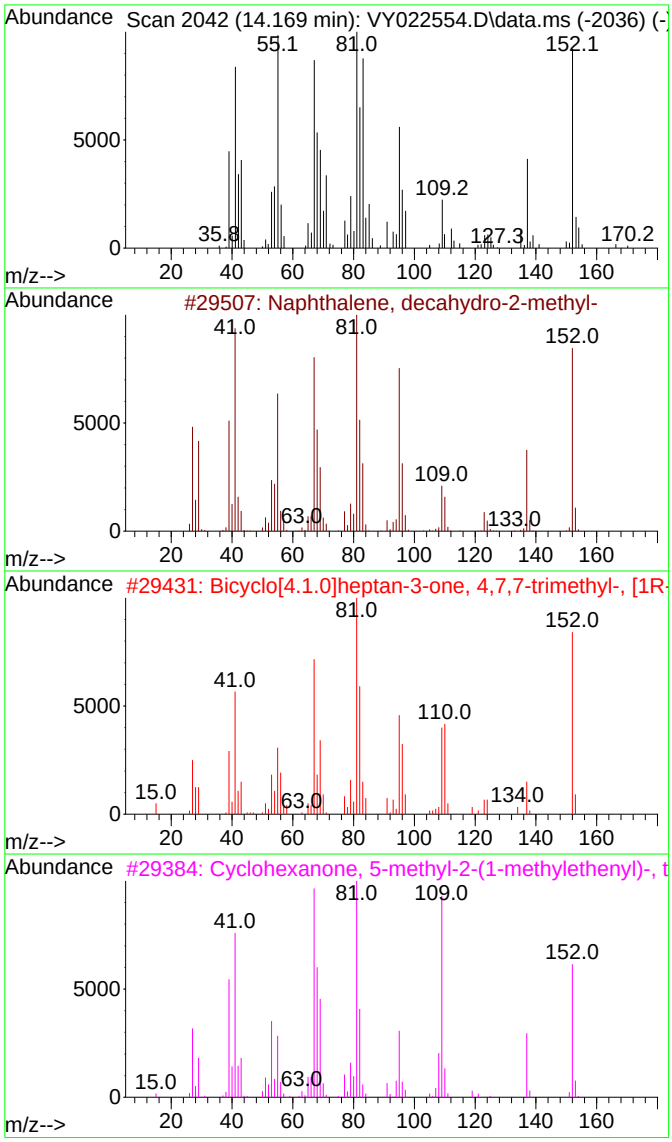
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

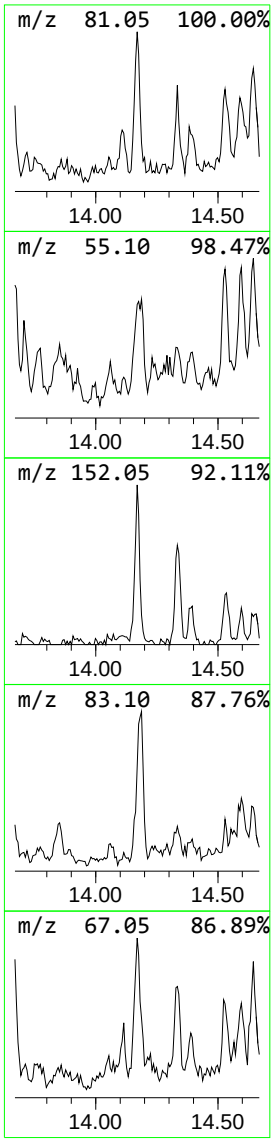
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	8.09 ug/l	168087	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	83
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	60
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	58
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

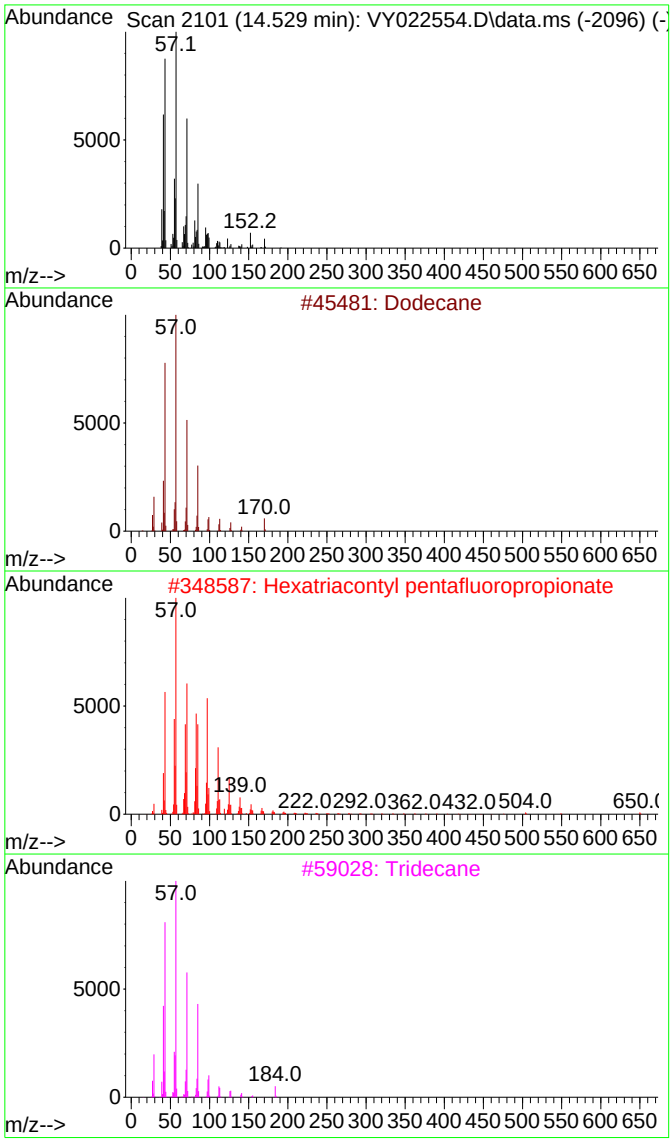
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

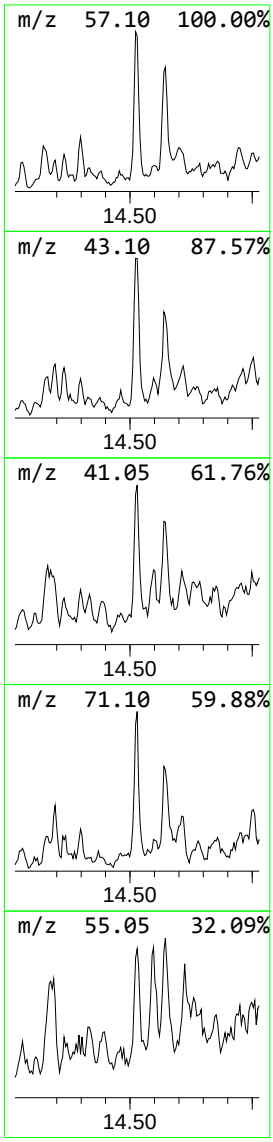
****

Peak Number 6 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	8.04 ug/l	167222	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	64
3	Tridecane	184	C13H28	000629-50-5	59
4	Hexadecane	226	C16H34	000544-76-3	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

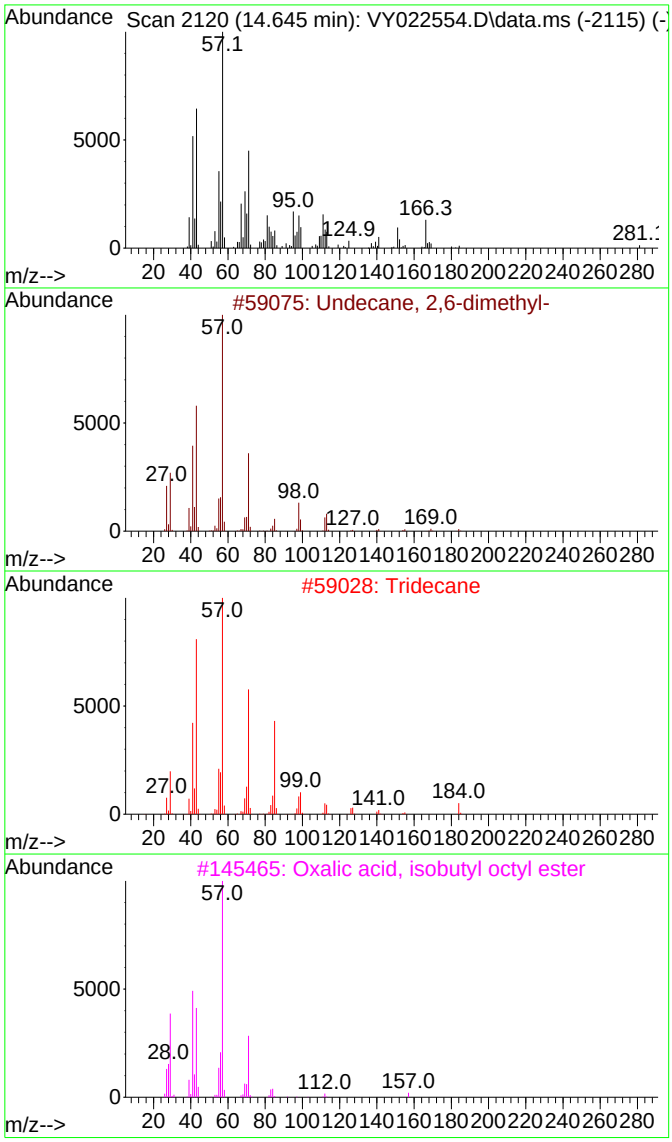
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

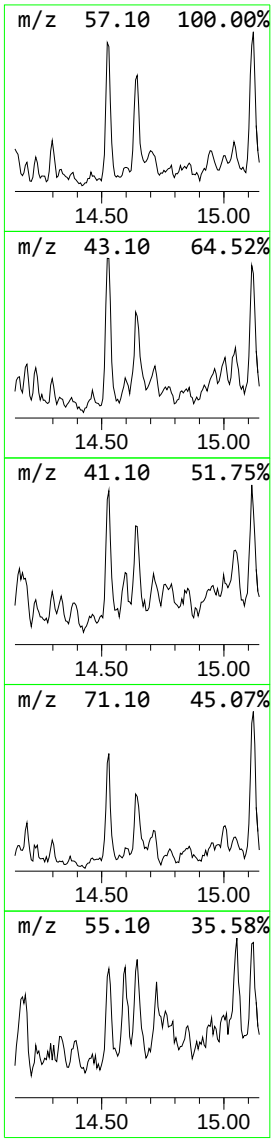
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	7.11 ug/l	147770	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2	Tridecane	184	C13H28	000629-50-5	47
3	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	38
4	Heptadecane	240	C17H36	000629-78-7	38
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

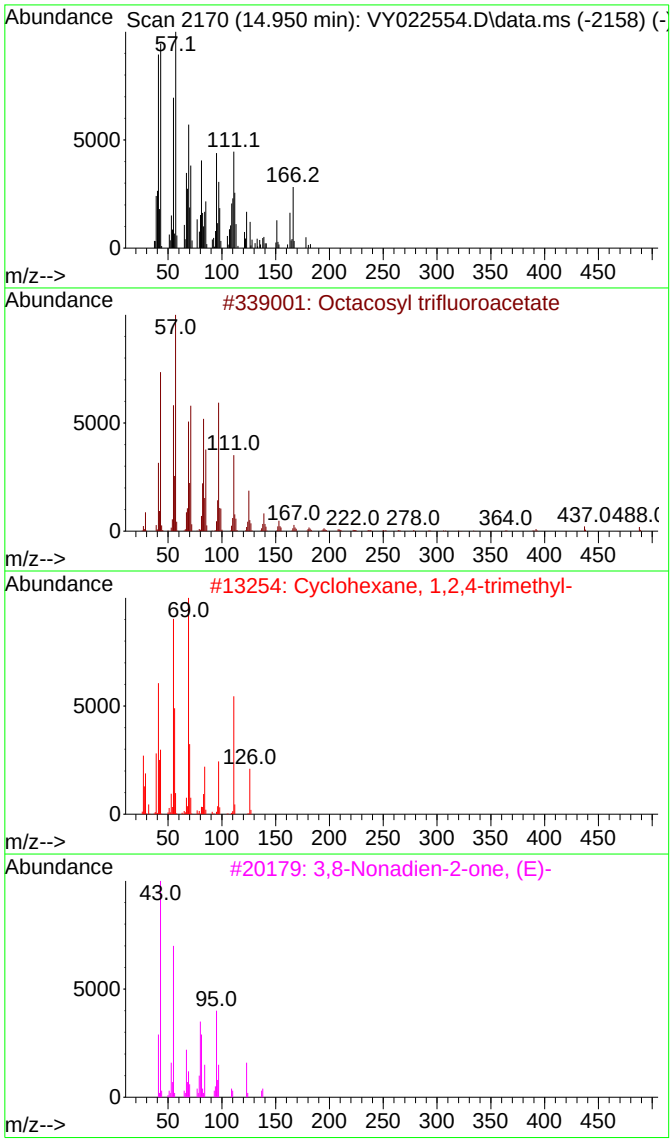
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

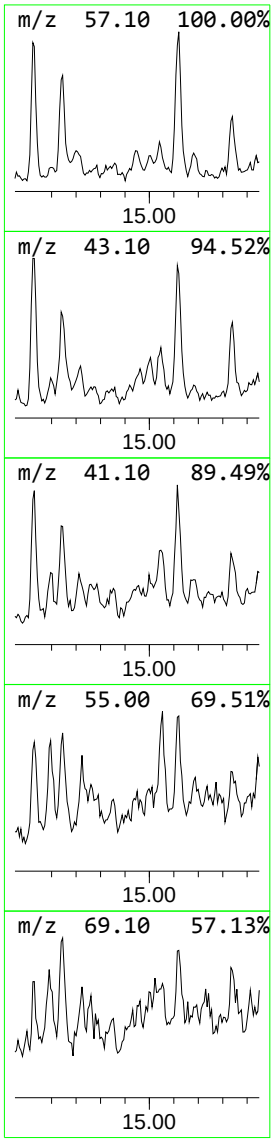
****

Peak Number 8 unknown14.950 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	5.87 ug/l	122046	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	27
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25
3	3,8-Nonadien-2-one, (E)-	138	C9H14O	055282-90-1	25
4	1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	18
5	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

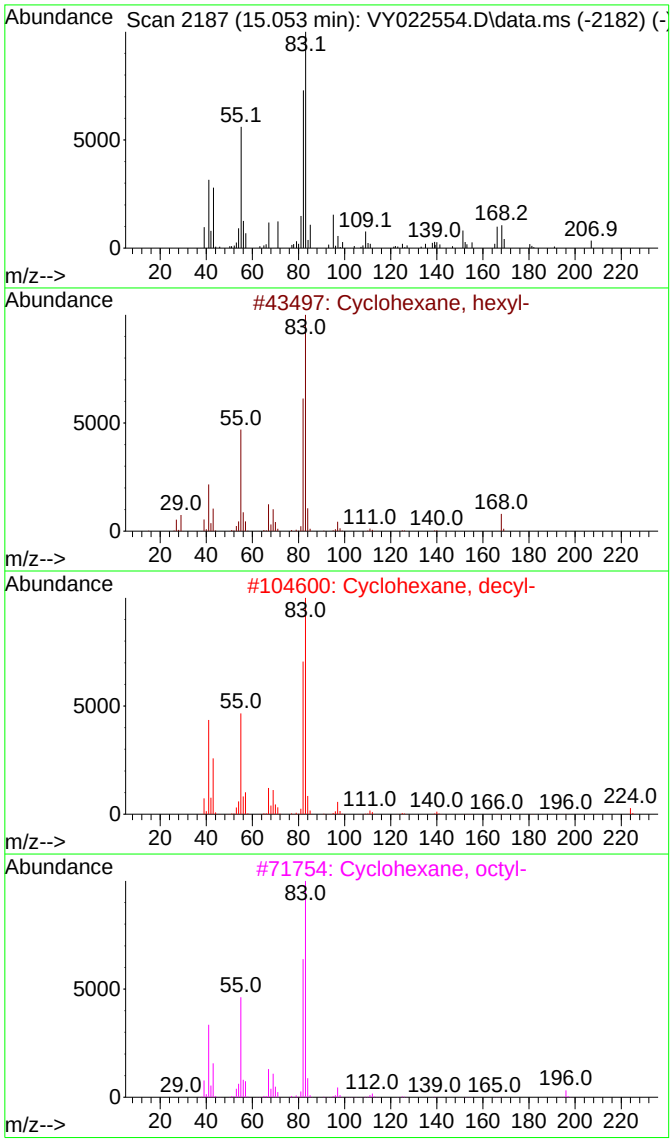
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

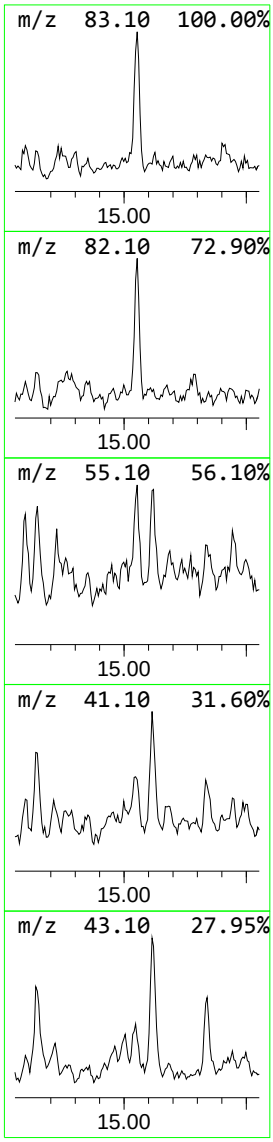
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	5.45 ug/l	113337	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
2	Cyclohexane, decyl-	224	C16H32	001795-16-0	50
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4	Acetamide, n-propyl-2-(4H-[1,2,4...	168	C7H12N4O	1000302-15-8	47
5	2H-Quinolizine-1-methanol, octah...	169	C10H19NO	000486-70-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

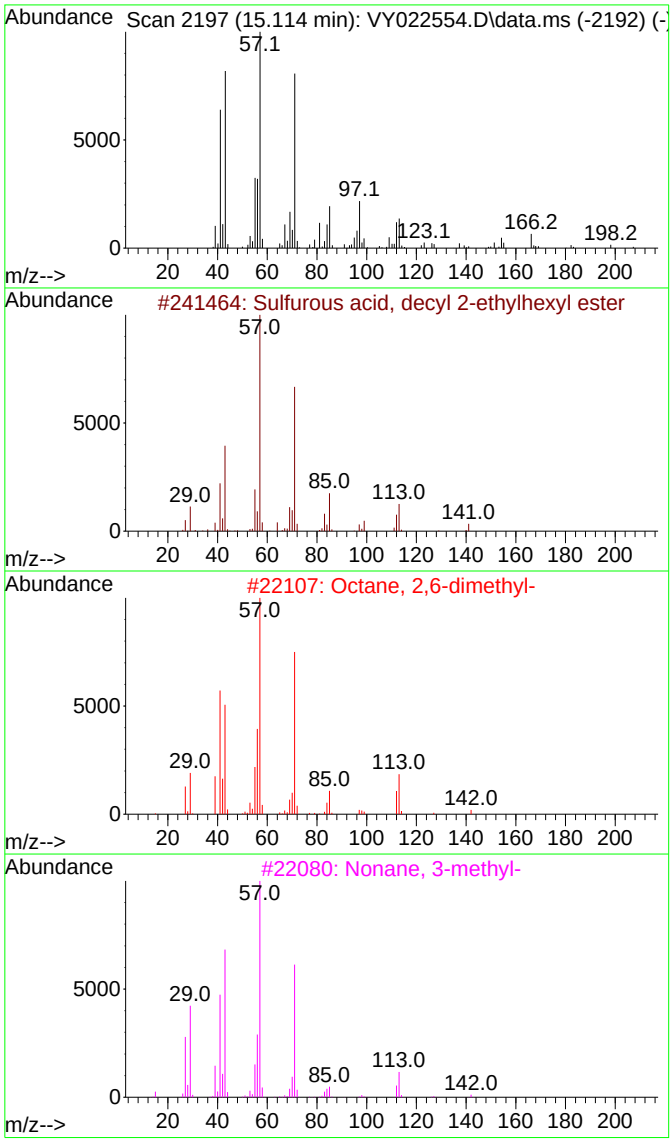
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

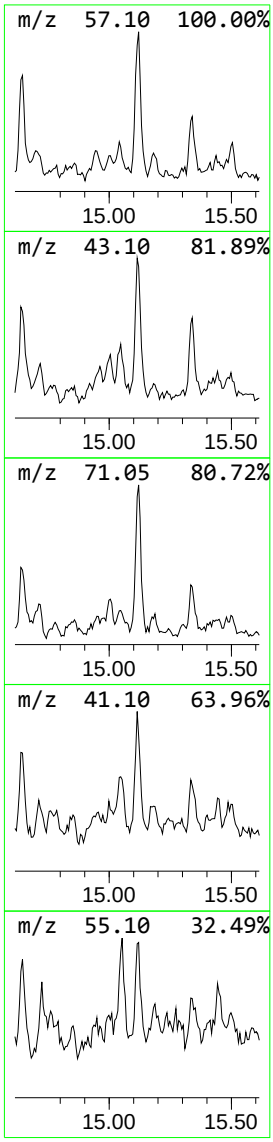
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Sulfurous acid, decyl 2-eth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.114	8.44 ug/l	175391	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	3-Bromooctane	192	C8H17Br	000999-64-4	49
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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
Nonane, 4-methyl-	12.334	5.7	ug/l	144724	3	11.414	1273250	50.0
Decane	12.725	14.4	ug/l	298837	4	13.346	1039420	50.0
Cyclohexane, bu...	13.237	5.5	ug/l	113643	4	13.346	1039420	50.0
Carbonic acid, ...	13.669	8.3	ug/l	172783	4	13.346	1039420	50.0
Naphthalene, de...	14.169	8.1	ug/l	168087	4	13.346	1039420	50.0
Dodecane	14.529	8.0	ug/l	167222	4	13.346	1039420	50.0
Undecane, 2,6-d...	14.645	7.1	ug/l	147770	4	13.346	1039420	50.0
unknown14.950	14.950	5.9	ug/l	122046	4	13.346	1039420	50.0
Cyclohexane, he...	15.053	5.5	ug/l	113337	4	13.346	1039420	50.0
Sulfurous acid,...	15.114	8.4	ug/l	175391	4	13.346	1039420	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

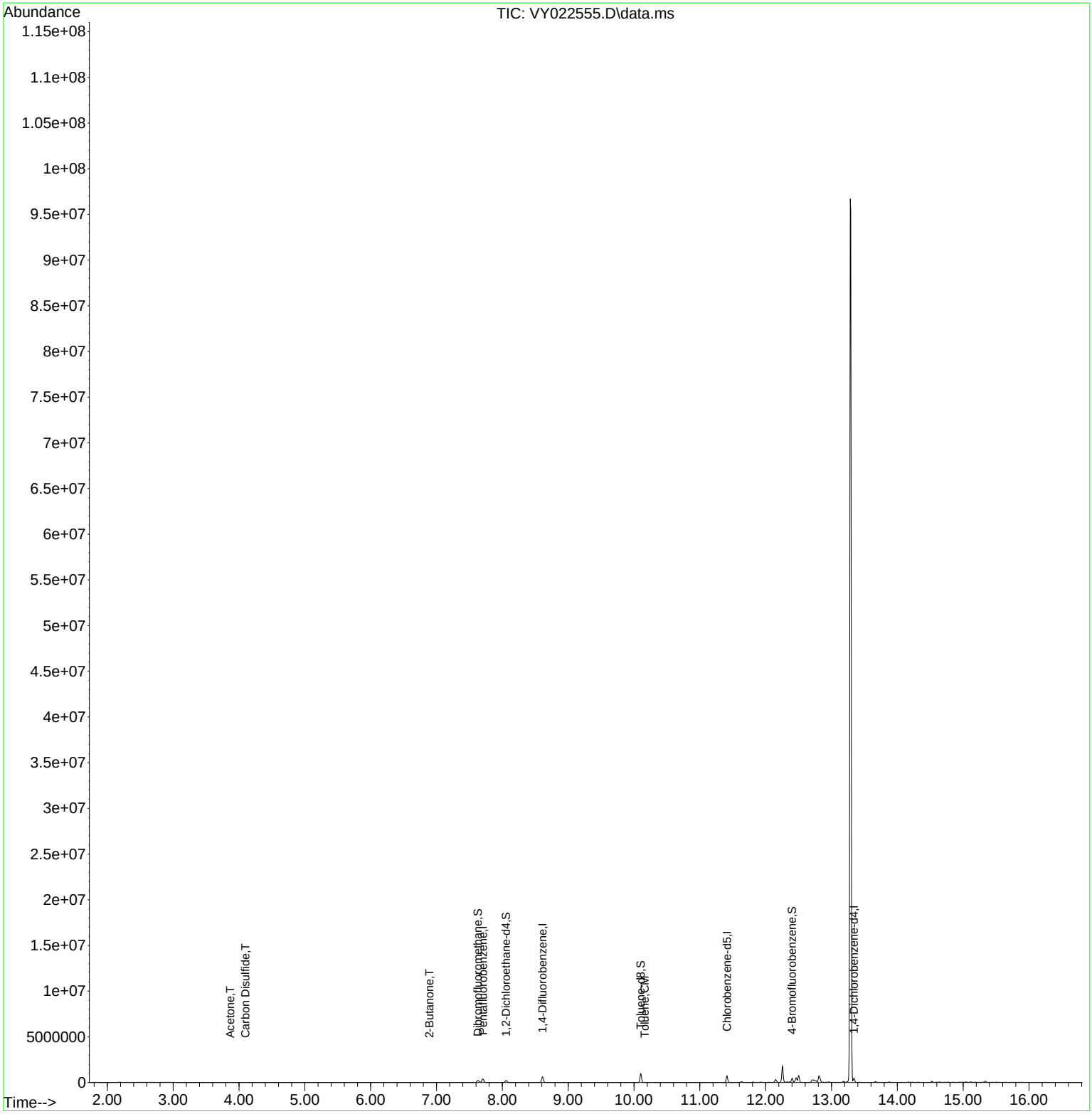
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	280753	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	497958	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	360175	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	103121	50.000	ug/l	#	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.055	65	163448	52.052	ug/l		-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%				
35) Dibromofluoromethane	7.628	113	154902	52.117	ug/l		-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.240%				
50) Toluene-d8	10.103	98	596438	49.663	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.320%				
62) 4-Bromofluorobenzene	12.401	95	118458	33.105	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 66.200%				
Target Compounds							Qvalue
16) Acetone	3.866	43	33897	53.155	ug/l		97
17) Carbon Disulfide	4.098	76	24493	2.598	ug/l		98
25) 2-Butanone	6.890	43	8145	8.855	ug/l	#	82
52) Toluene	10.164	92	10437	1.166	ug/l		99

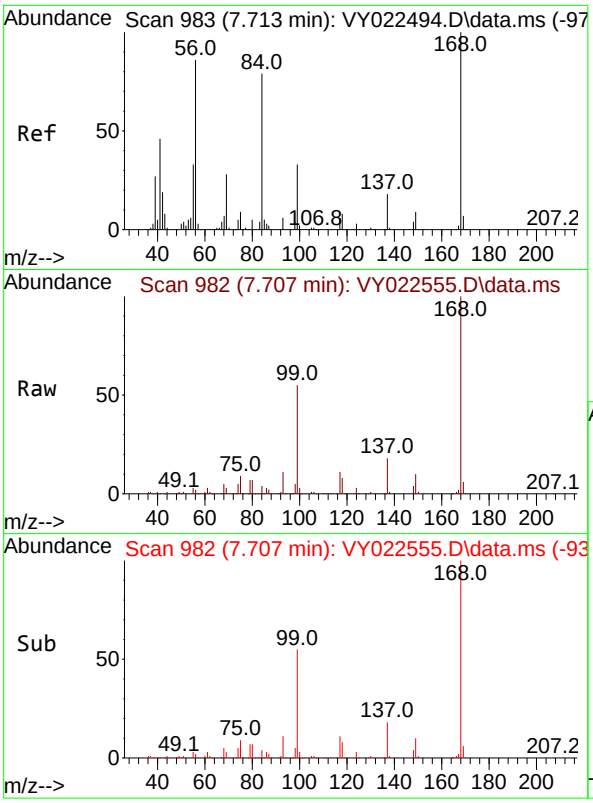
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



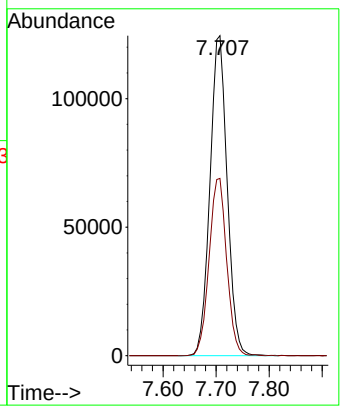


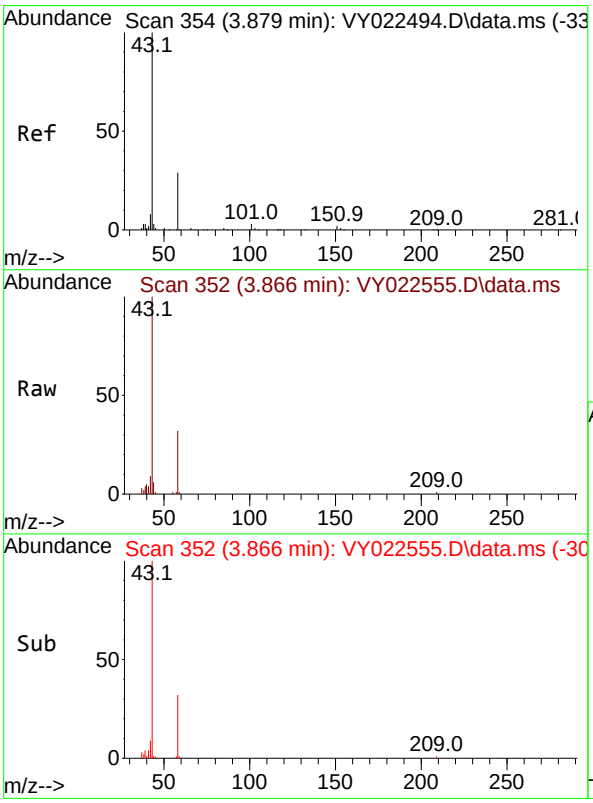
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:168 Resp: 280753

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

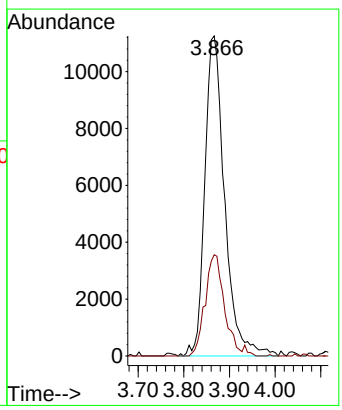


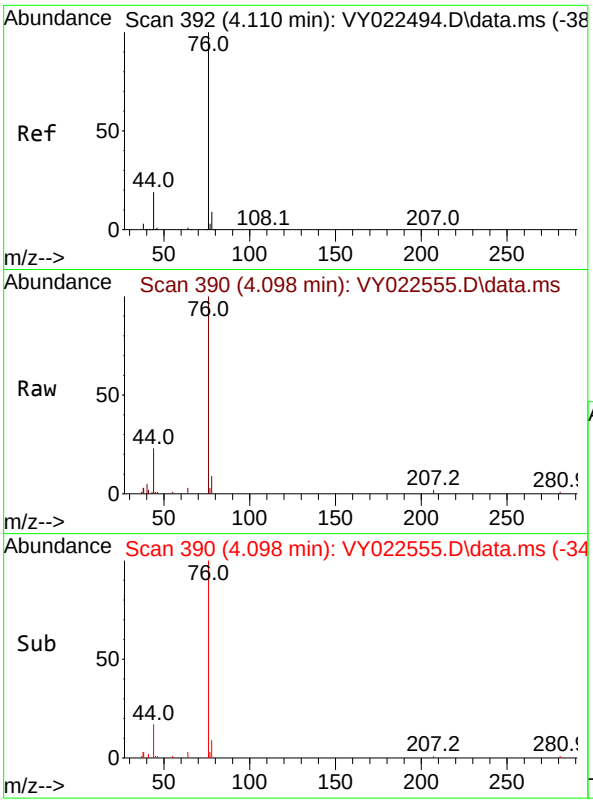


#16
Acetone
Concen: 53.155 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 33897

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0



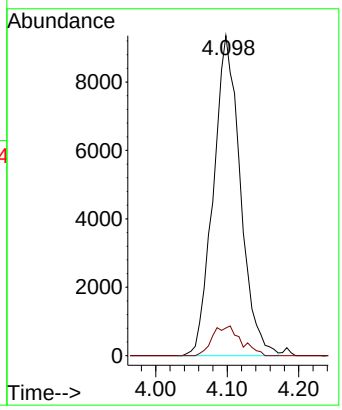


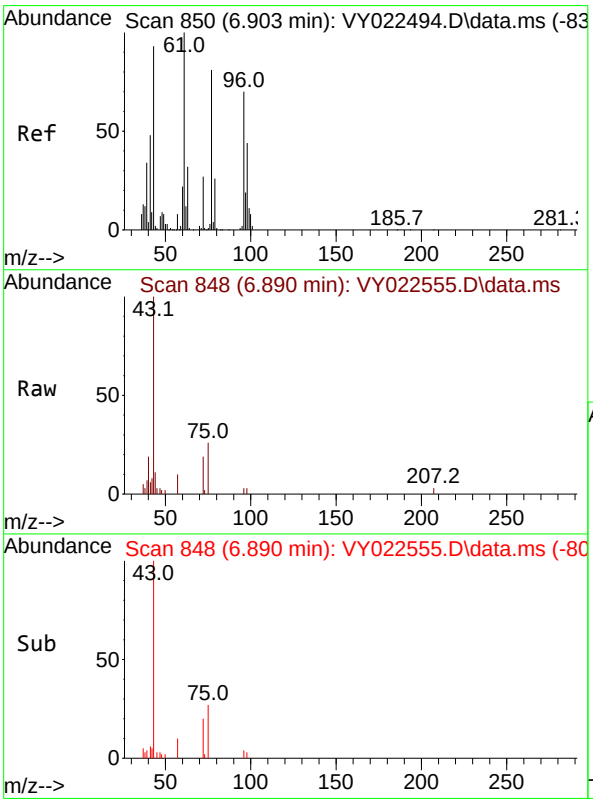
#17
Carbon Disulfide
Concen: 2.598 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 76 Resp: 24493

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

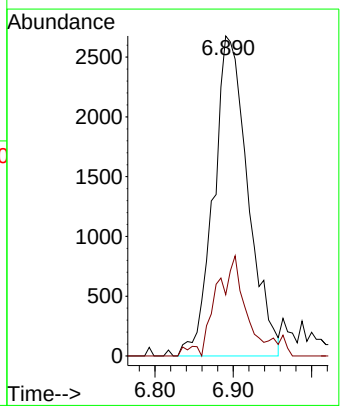


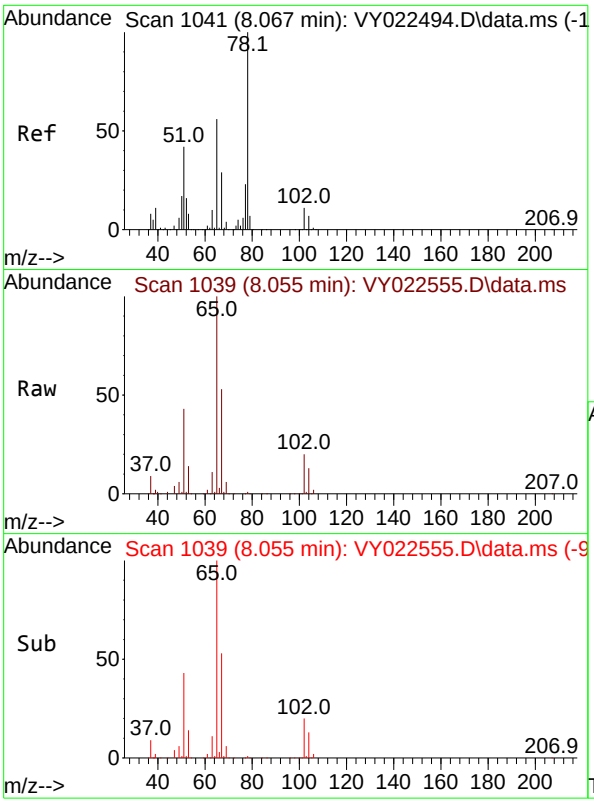


#25
2-Butanone
Concen: 8.855 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 8145

Ion	Ratio	Lower	Upper
43	100		
72	19.2	22.9	34.3#



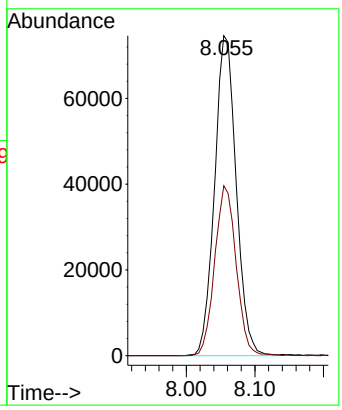


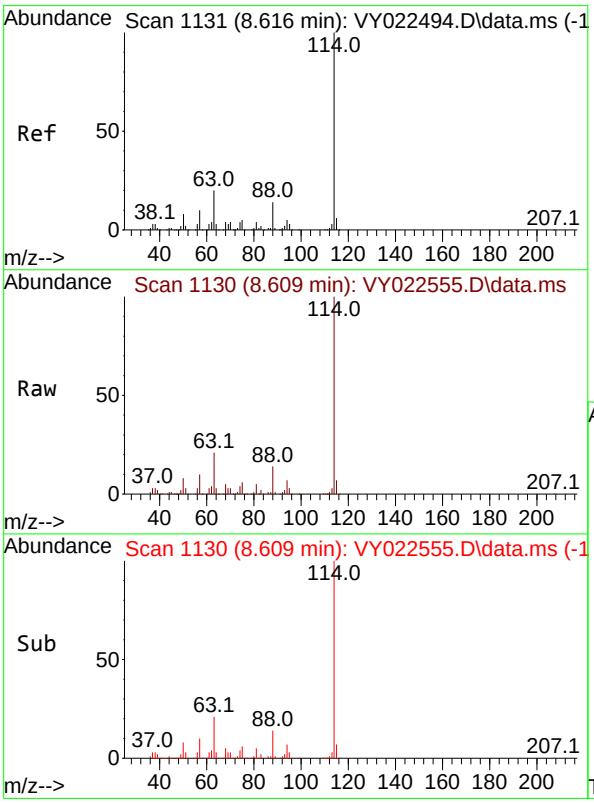
#33
1,2-Dichloroethane-d4
Concen: 52.052 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 65 Resp: 163448

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4

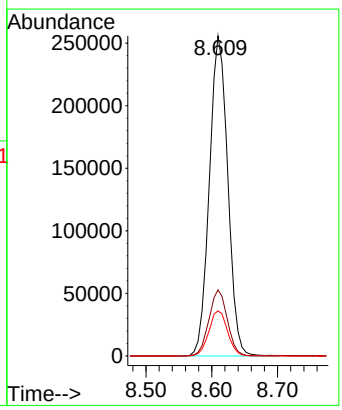




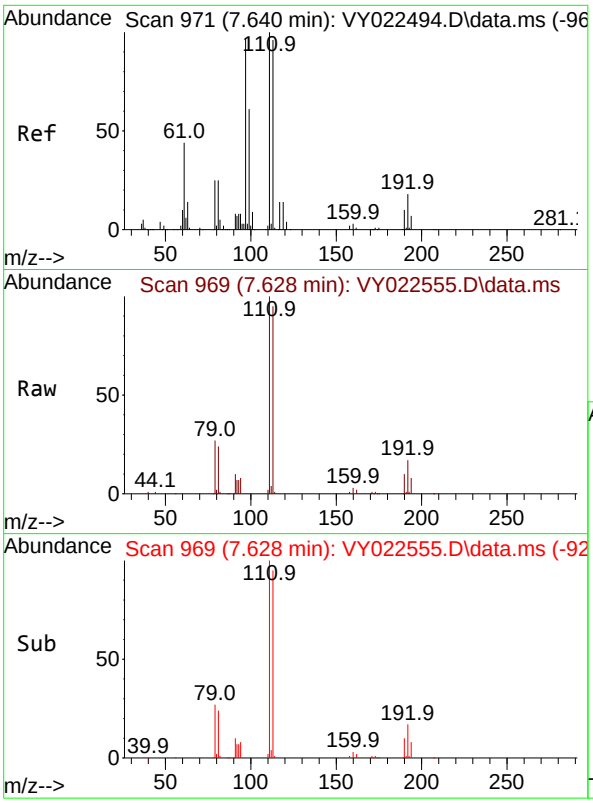
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:114 Resp: 497958

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.1	0.0	27.8



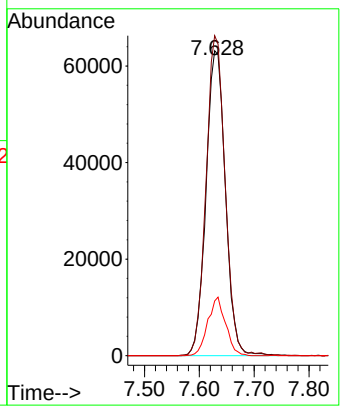
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

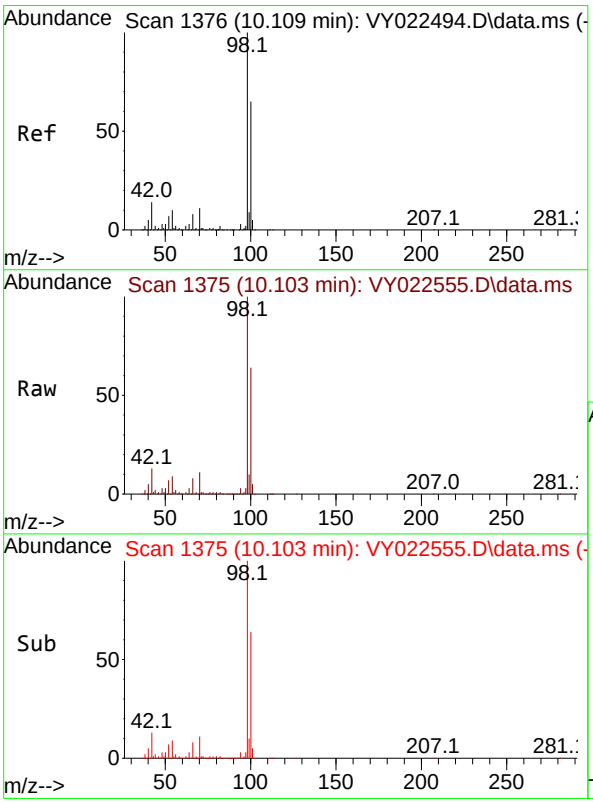


#35
Dibromofluoromethane
Concen: 52.117 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:113 Resp: 154902

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	17.7	14.2	21.2

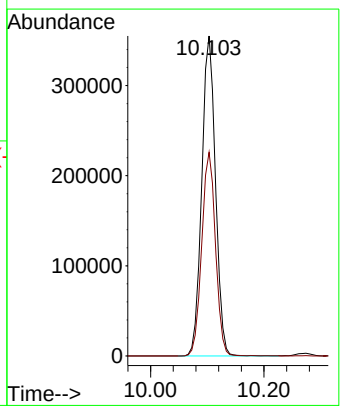


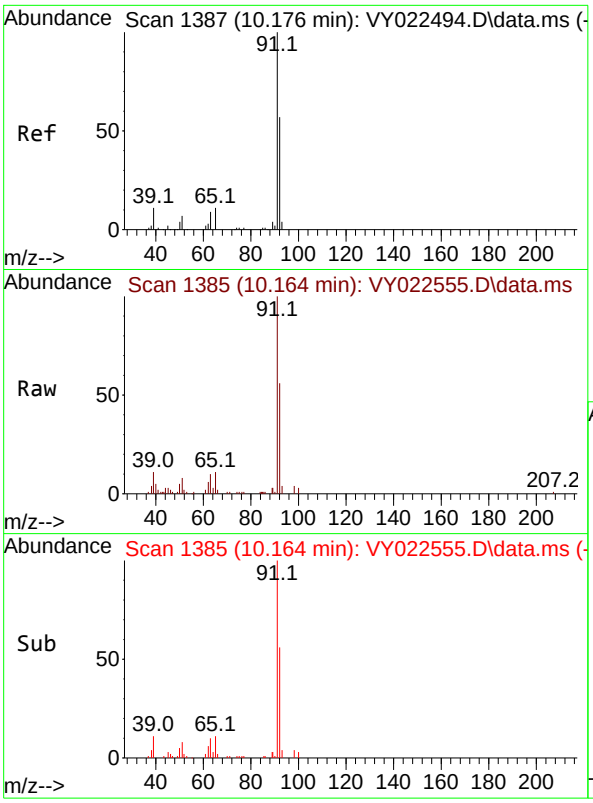


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 98 Resp: 596438

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0



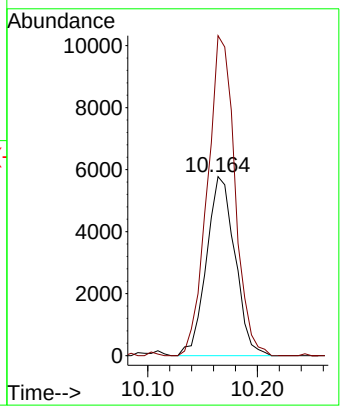


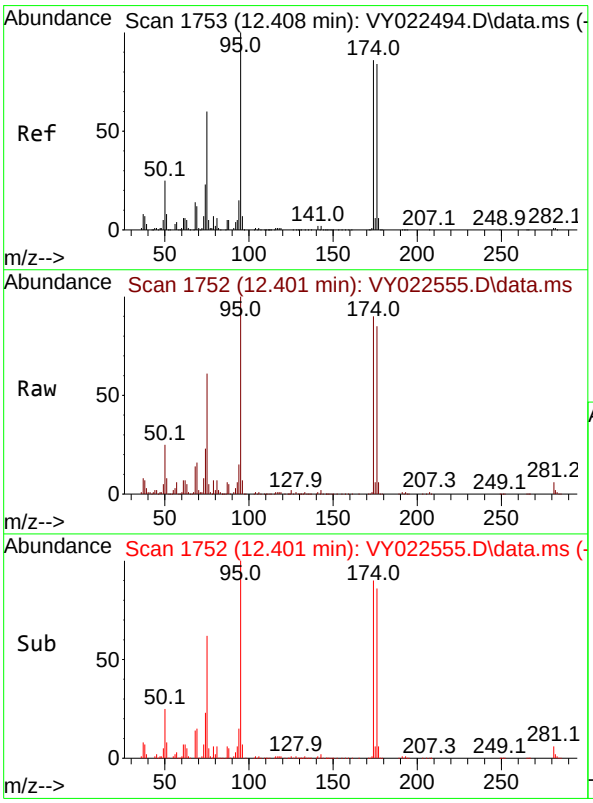
#52
Toluene
Concen: 1.166 ug/l
RT: 10.164 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 92 Resp: 10437

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

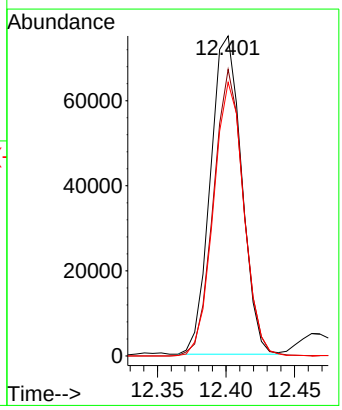


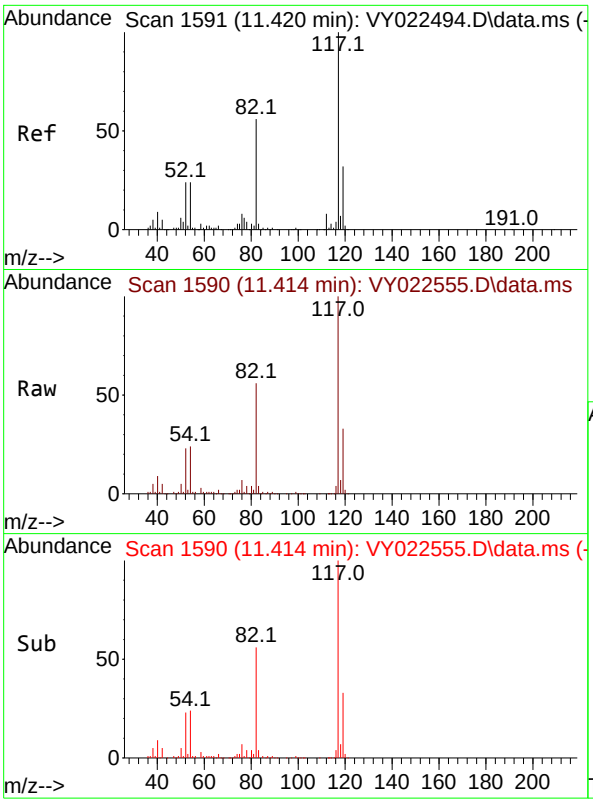


#62
4-Bromofluorobenzene
Concen: 33.105 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 95 Resp: 118458

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.0
176	83.9	0.0	166.2



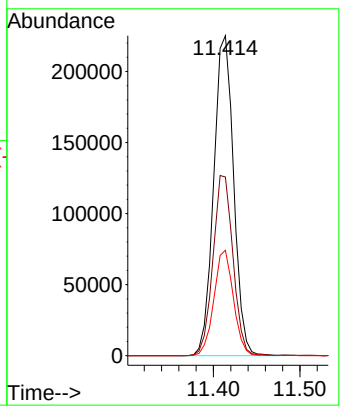


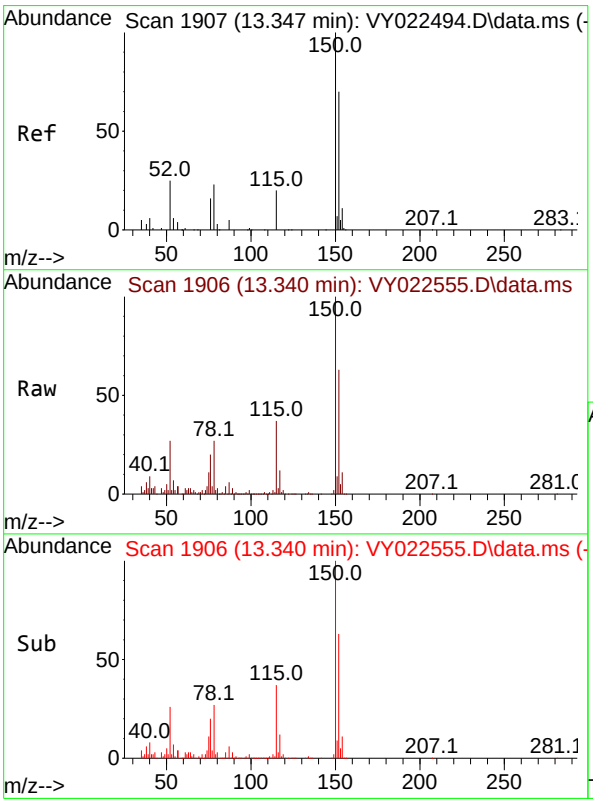
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:117 Resp: 360175

Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	66.8
119	33.0	25.4	38.0

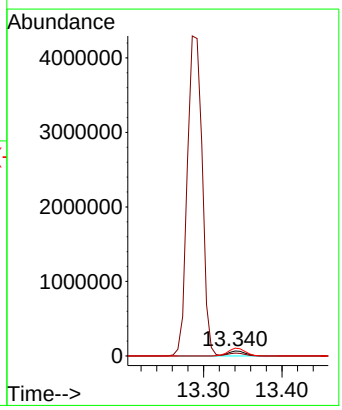




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:152 Resp: 103121

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.9	86.7#
150	154.6	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.103	1367	1375	1382	rBV	956430	1628455	1.17%	1.133%
2	12.255	1721	1728	1734	rBV	1744031	2666821	1.91%	1.855%
3	13.285	1885	1897	1903	rBV	96671722	139482274	100.00%	97.013%

Sum of corrected areas: 143777550

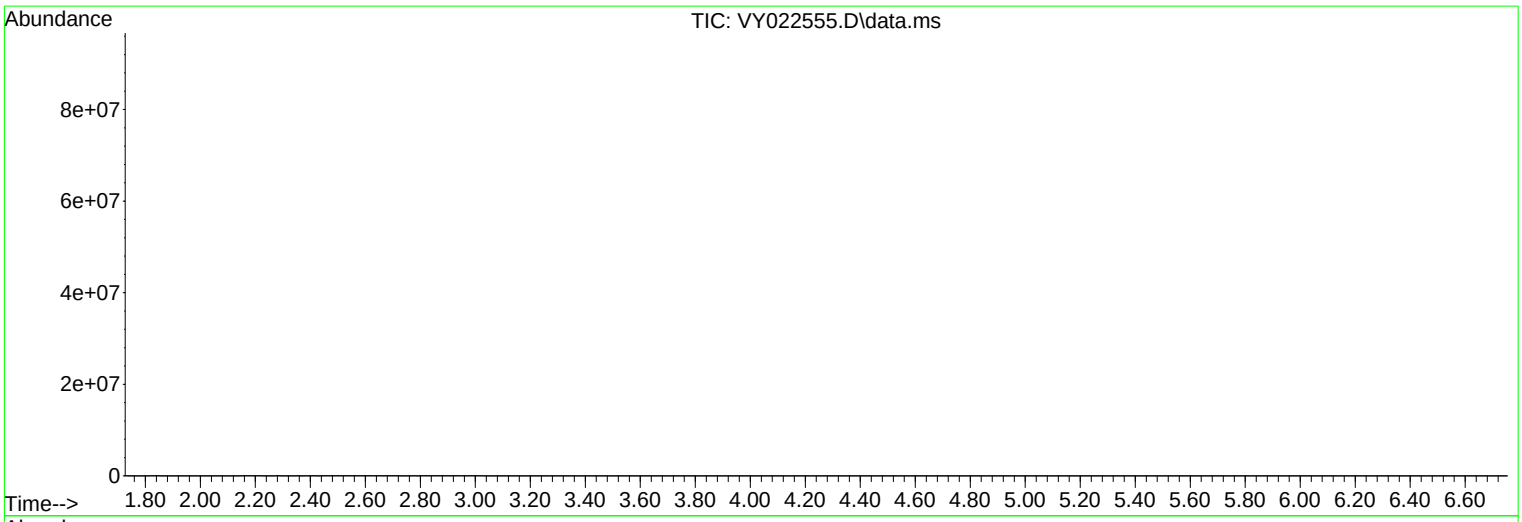
Sample Results: **VY022555.D**

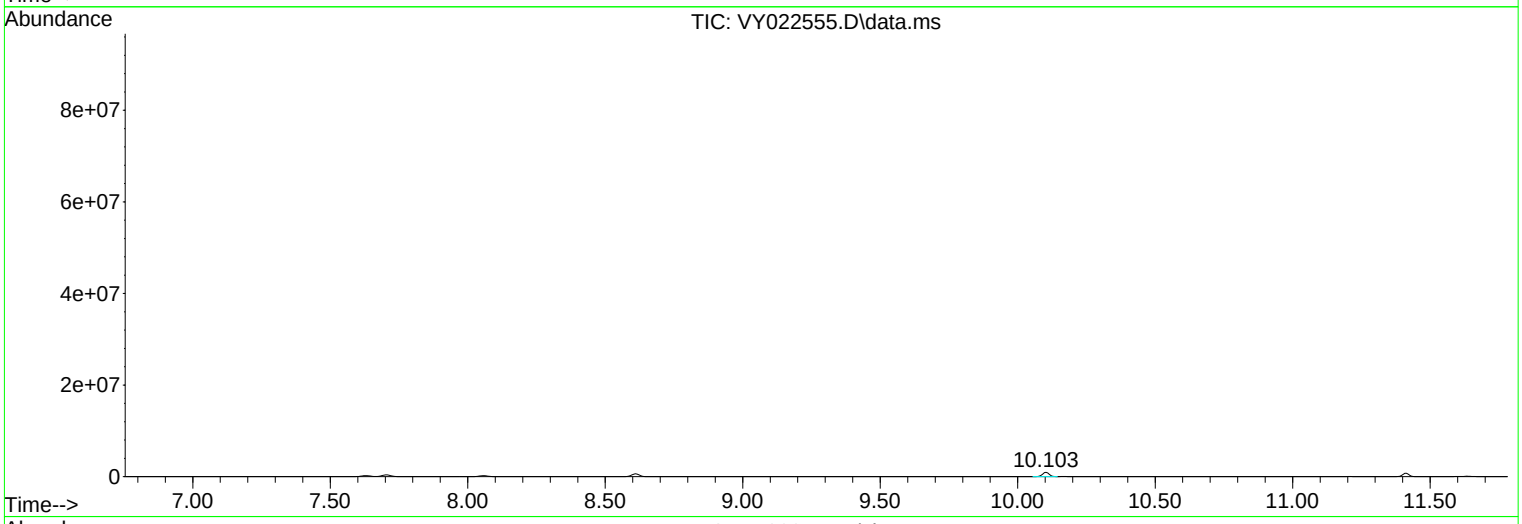
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

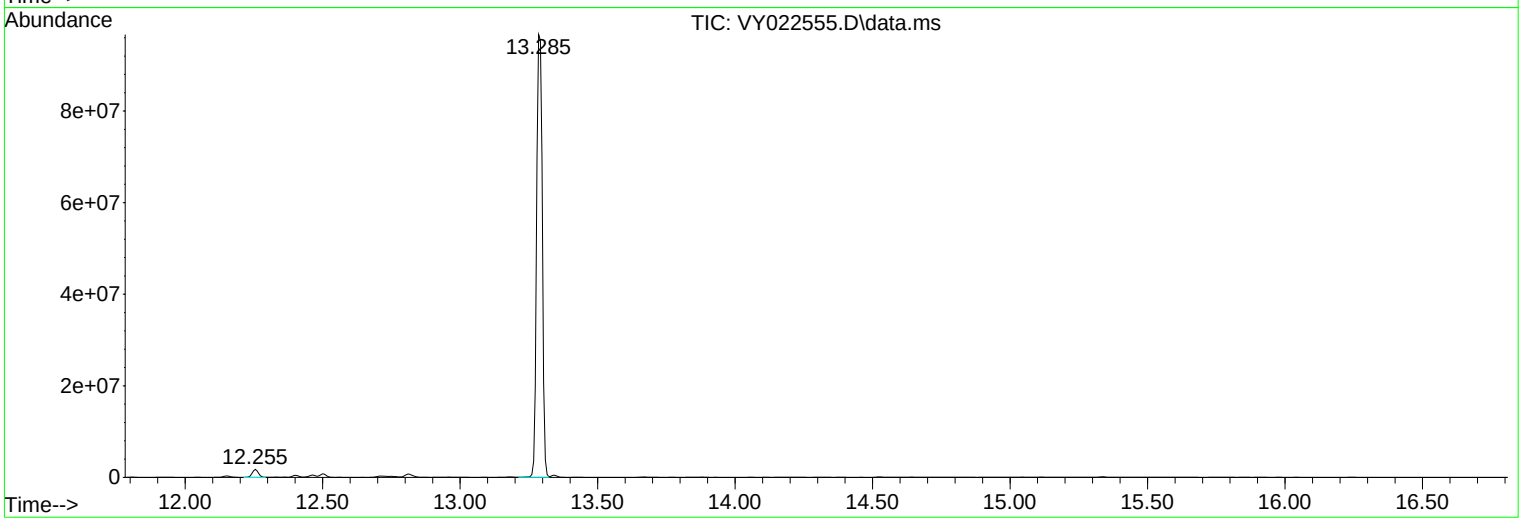
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

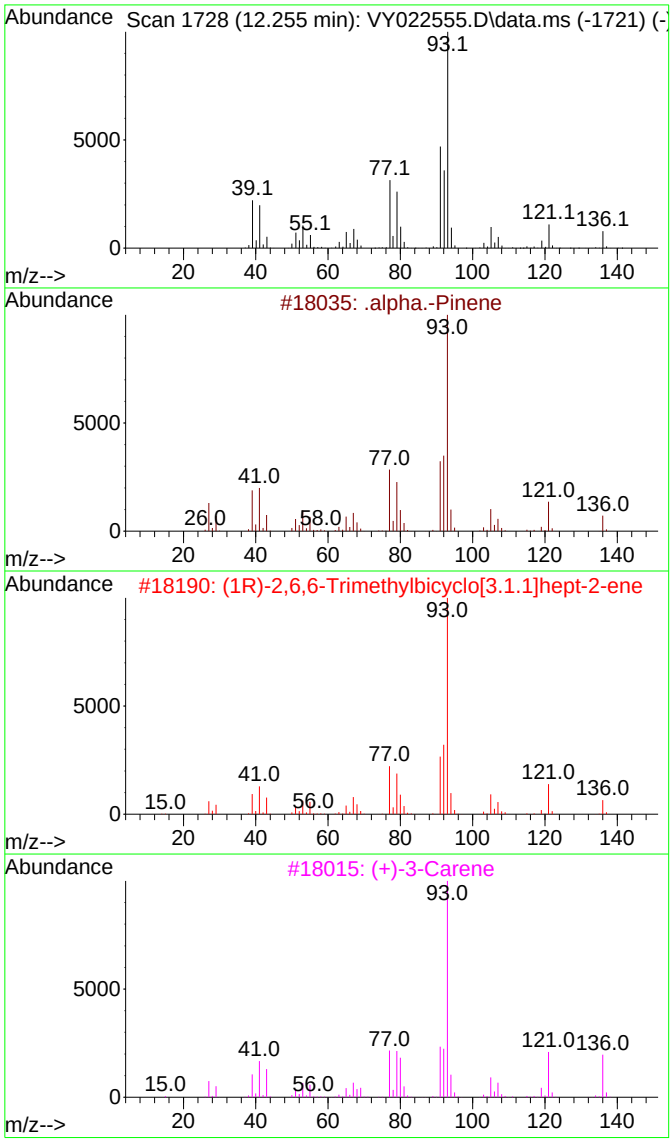
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

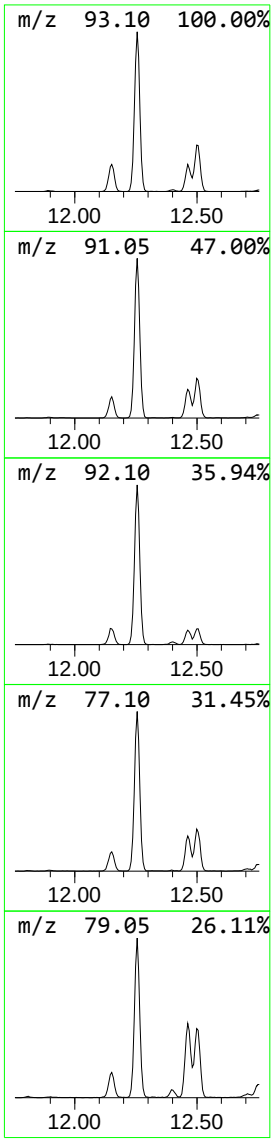
****

Peak Number 1 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.255	50.00 ug/l	2666820	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	(+)-3-Carene	136	C10H16	000498-15-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

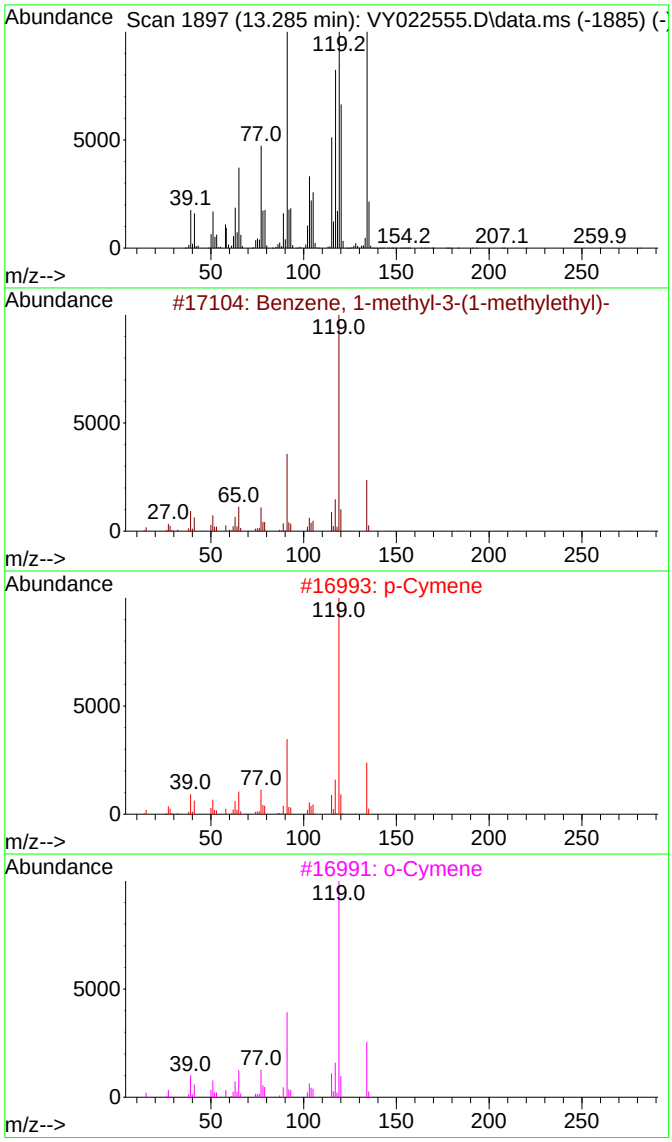
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

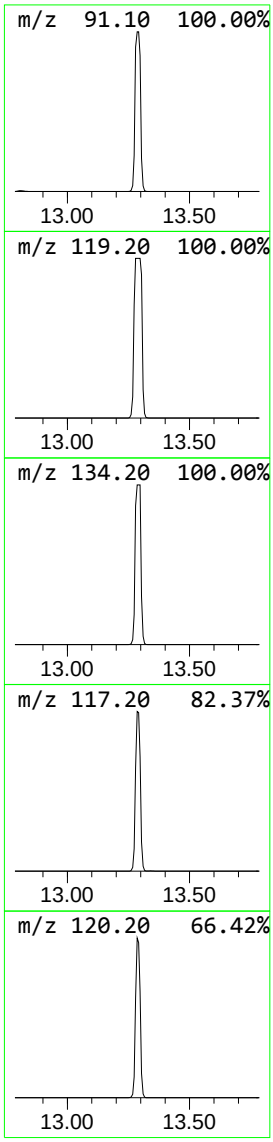
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.285	50.00 ug/l	139482000	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	p-Cymene	134	C10H14	000099-87-6	76
3	o-Cymene	134	C10H14	000527-84-4	62
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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
.alpha.-Pinene	12.255	50.0	ug/l	2666820	3	11.414	2666820	50.0
Benzene, 1-meth...	13.285	50.0	ug/l	139482000	4	13.340	139482000	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

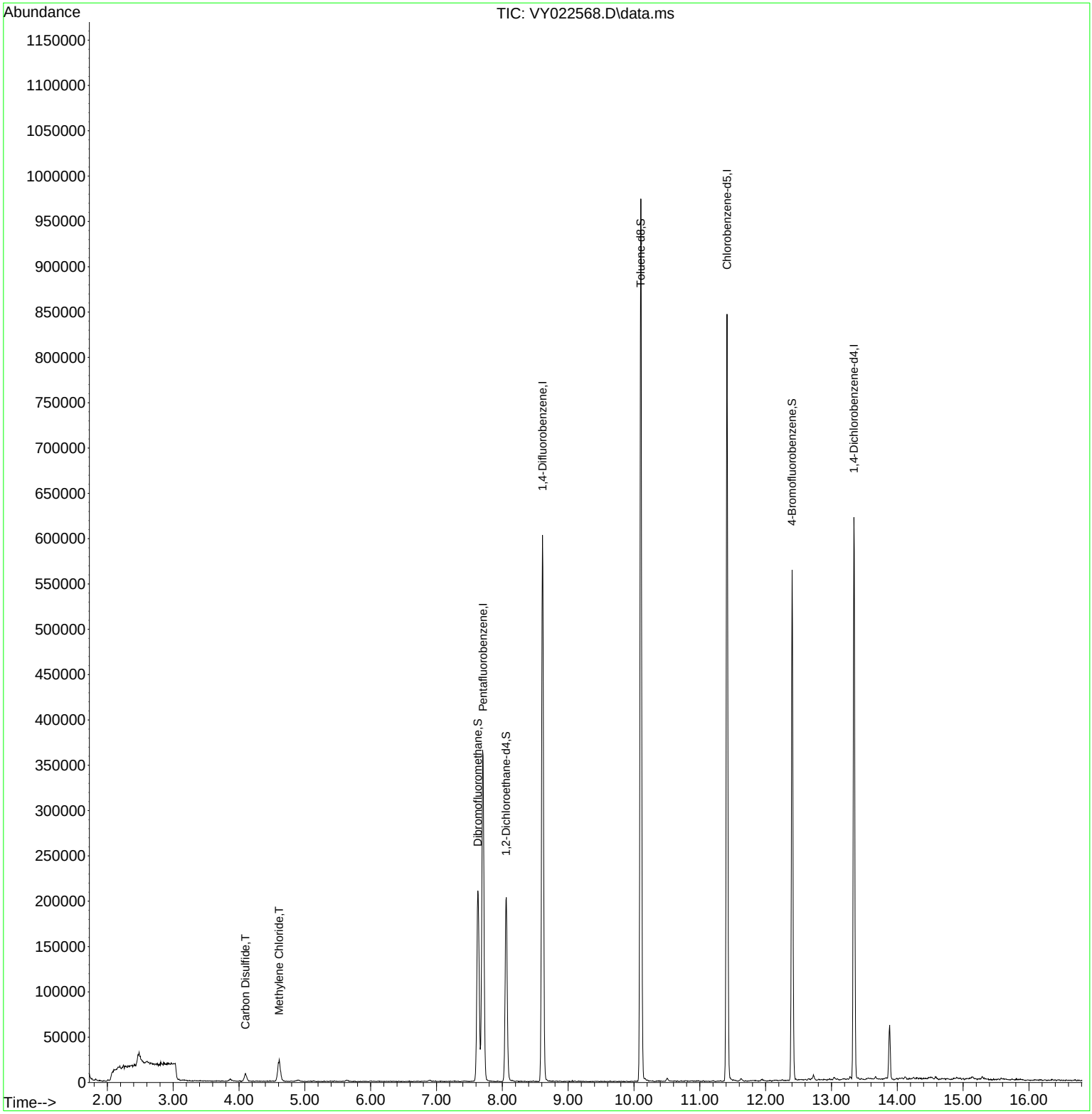
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	270828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	498576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	144715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	151083	49.878	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.628	113	147294	49.496	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.103	98	599125	49.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.401	95	149446	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.420%		
Target Compounds						Qvalue
17) Carbon Disulfide	4.098	76	14692	1.616	ug/l	99
20) Methylene Chloride	4.610	84	15819	4.527	ug/l	95

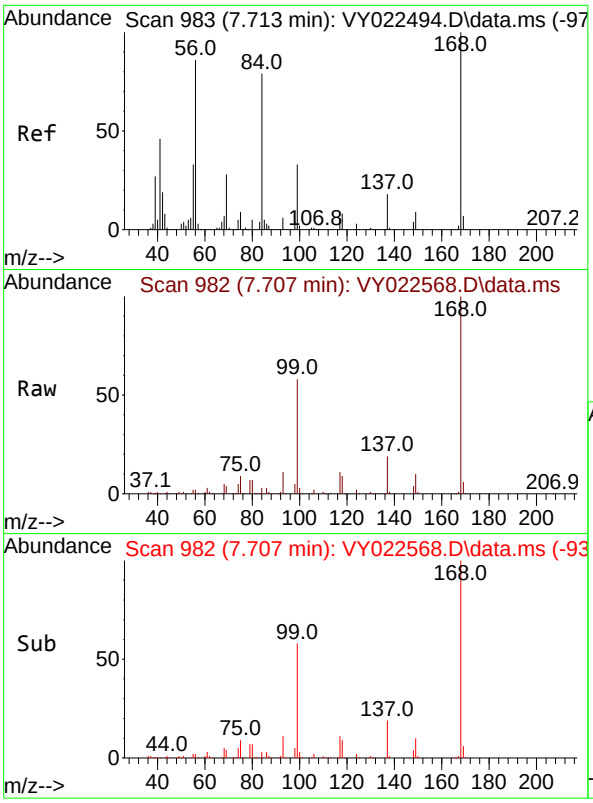
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



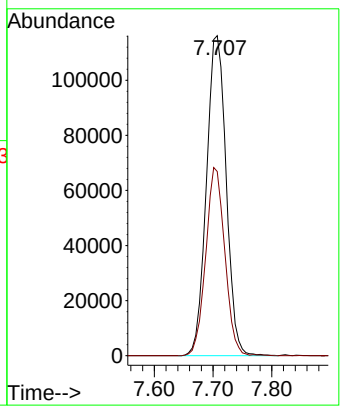


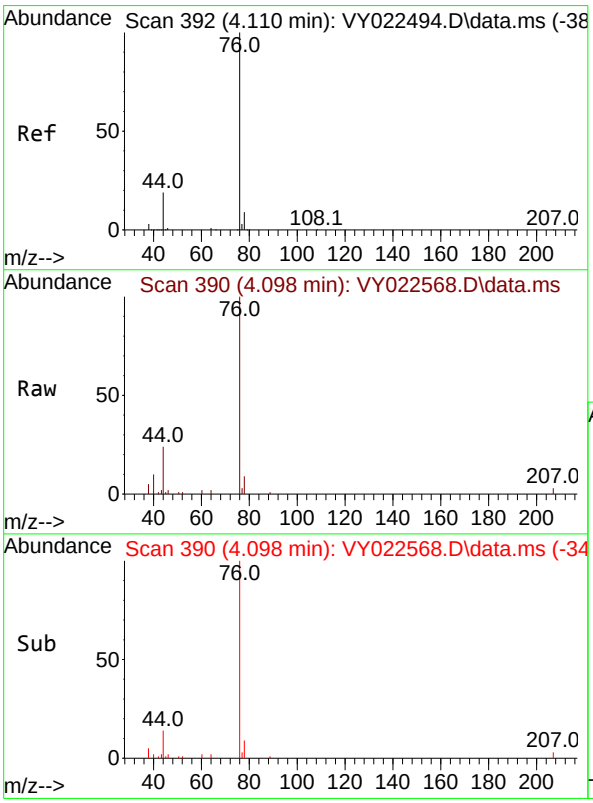
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:168 Resp: 270828

Ion	Ratio	Lower	Upper
168	100		
99	57.5	44.3	66.5

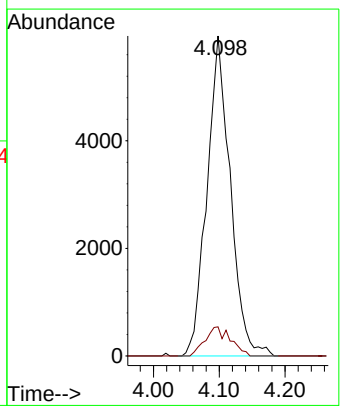


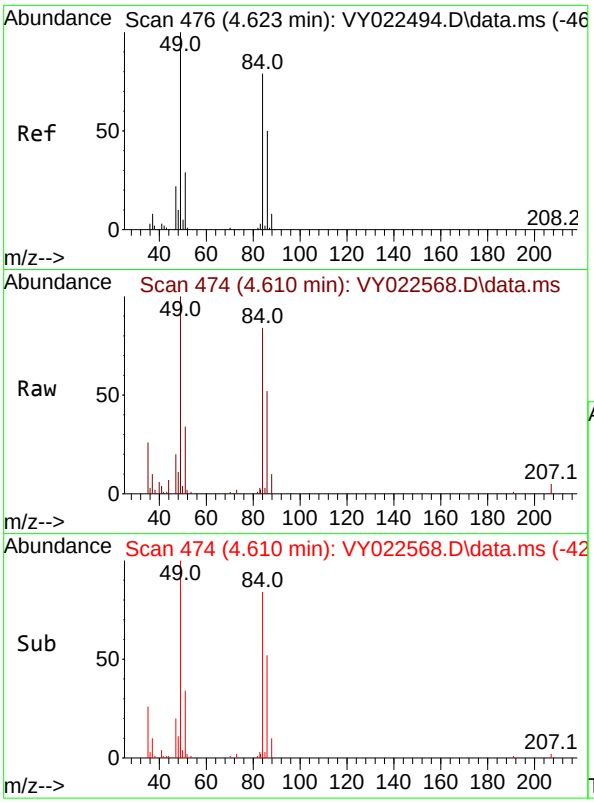


#17
Carbon Disulfide
Concen: 1.616 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 76 Resp: 14692

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2



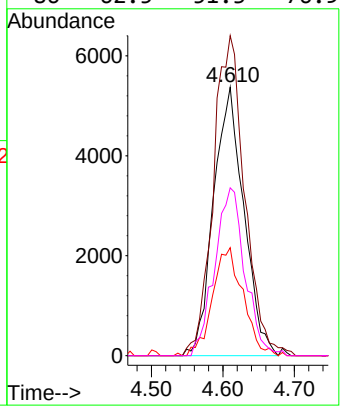


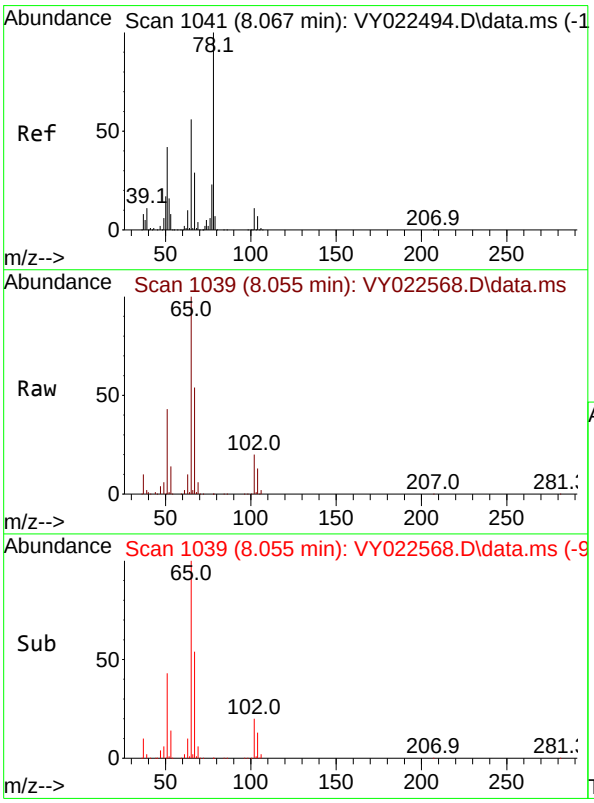
#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 84 Resp: 15819

Ion	Ratio	Lower	Upper
84	100		
49	119.2	101.9	152.9
51	40.2	29.8	44.8
86	62.5	51.3	76.9

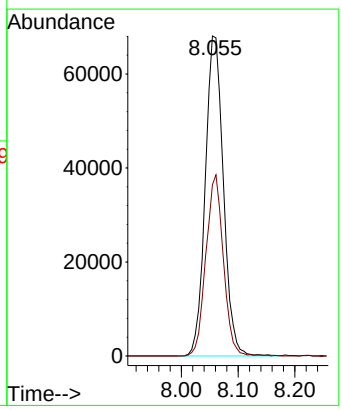


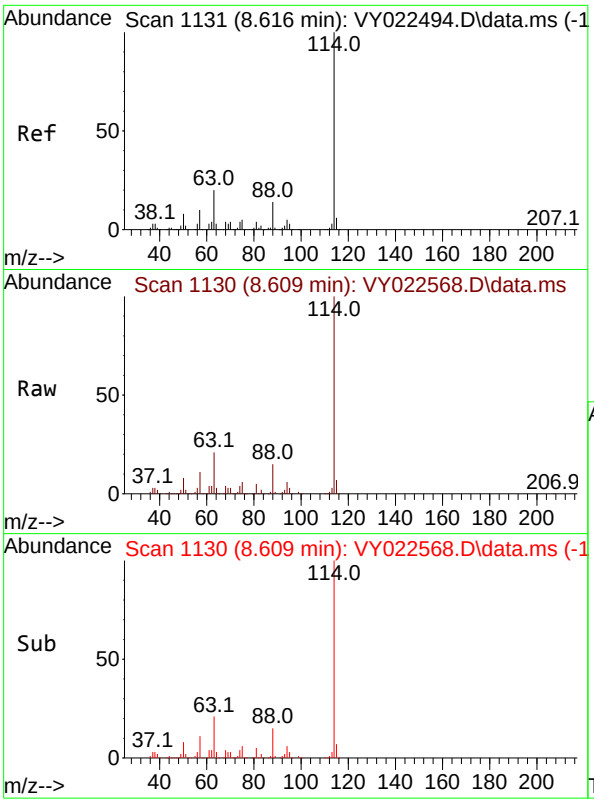


#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 65 Resp: 151083

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.4



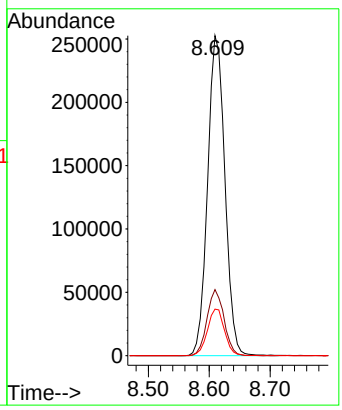


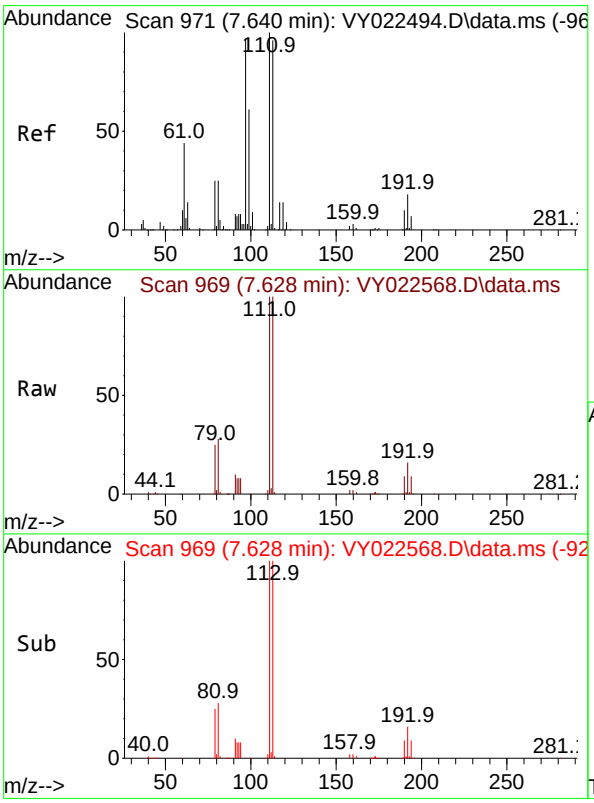
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:114 Resp: 498576

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

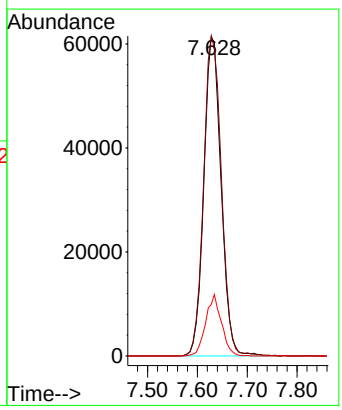


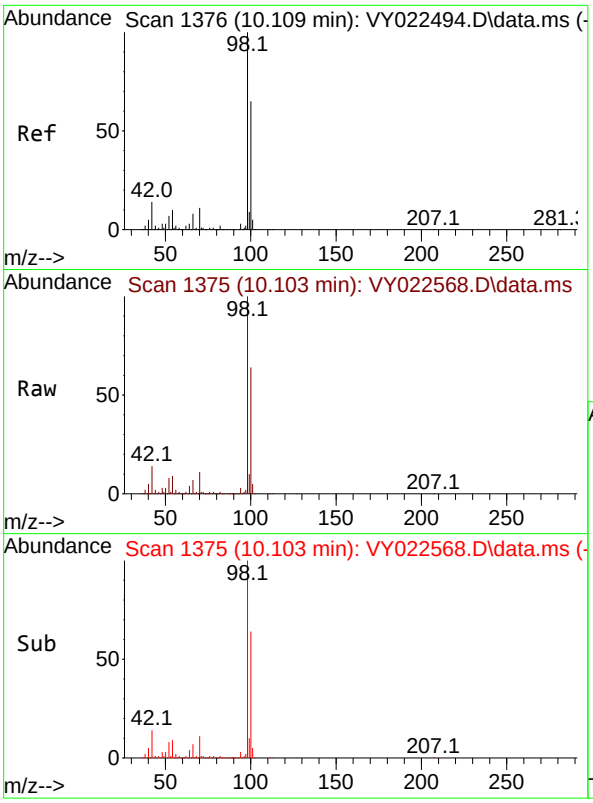


#35
Dibromofluoromethane
Concen: 49.496 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:113 Resp: 147294

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.6	14.2	21.2



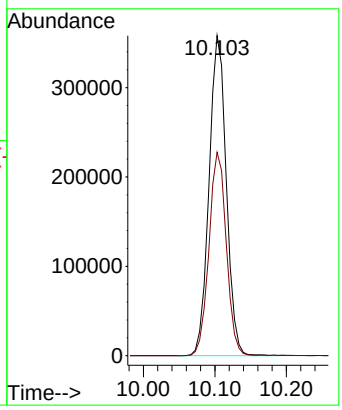


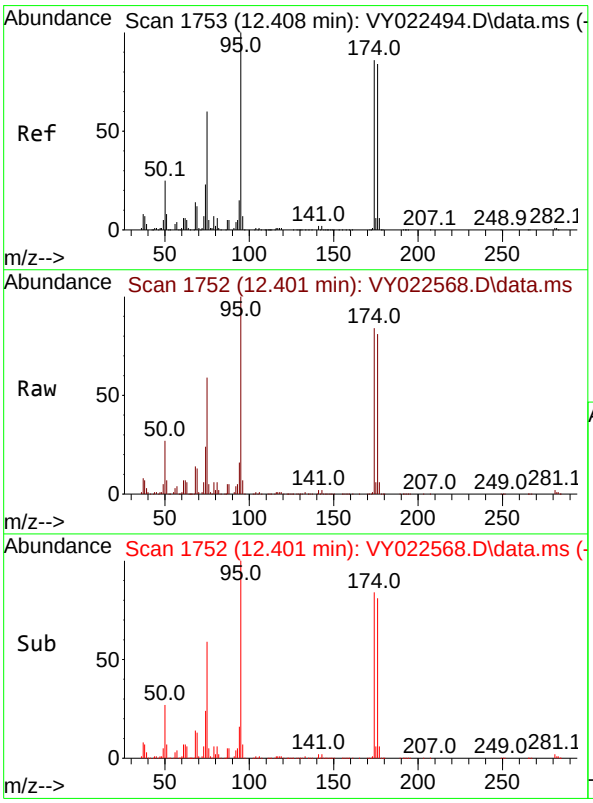
#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 98 Resp: 599125

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

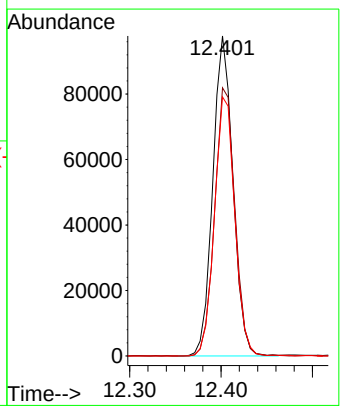


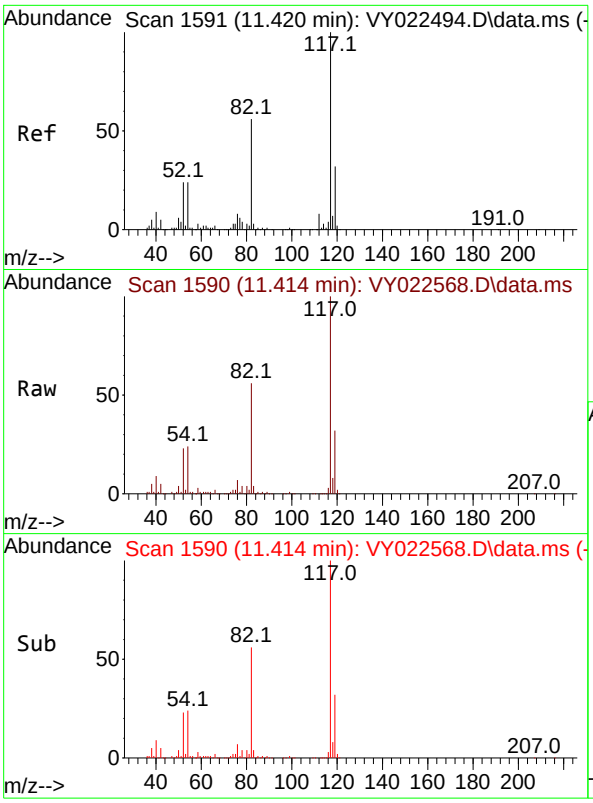


#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 95 Resp: 149446

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	170.0
176	81.9	0.0	166.2



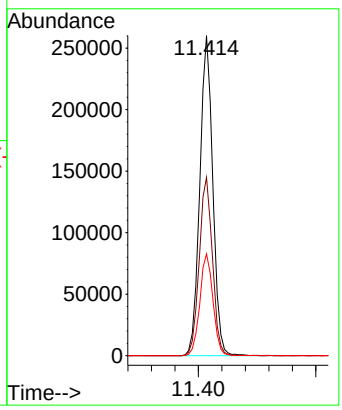


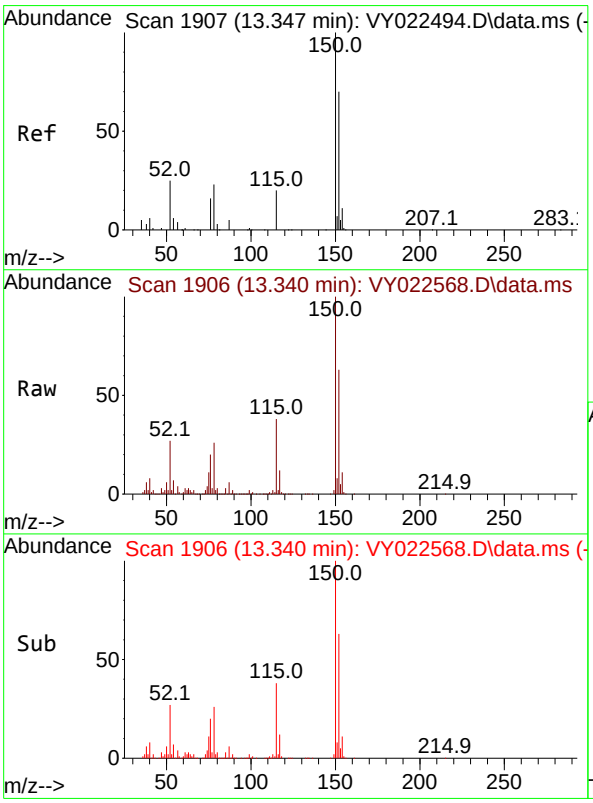
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:117 Resp: 399252

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.8	25.4	38.0

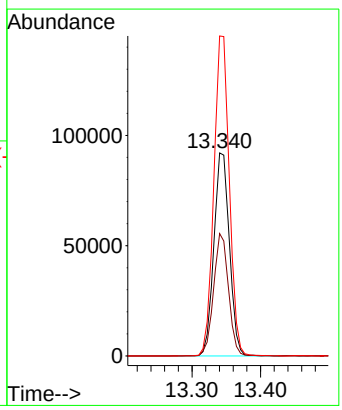




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:152 Resp: 144715

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.2	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022568.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.098	50	62	63	rBV2	12107	31327	1.91%	0.389%
2	2.483	117	125	130	rBV2	15250	44894	2.74%	0.557%
3	4.098	380	390	398	rBV2	8817	23415	1.43%	0.290%
4	4.610	461	474	485	rBV2	23996	68958	4.21%	0.855%
5	7.628	959	969	975	rBV2	210194	508397	31.03%	6.307%
6	7.701	975	981	996	rVB	365024	838537	51.18%	10.402%
7	8.061	1030	1040	1051	rBV	203093	452140	27.60%	5.609%
8	8.609	1120	1130	1140	rBV	602926	1191758	72.74%	14.784%
9	10.103	1367	1375	1384	rBV	973626	1638406	100.00%	20.324%
10	11.414	1582	1590	1604	rBV	845984	1329390	81.14%	16.491%
11	12.401	1744	1752	1760	rBV	563319	885116	54.02%	10.980%
12	13.340	1900	1906	1914	rBV	619255	953550	58.20%	11.829%
13	13.883	1989	1995	2001	rVB	59885	95401	5.82%	1.183%

Sum of corrected areas: 8061289

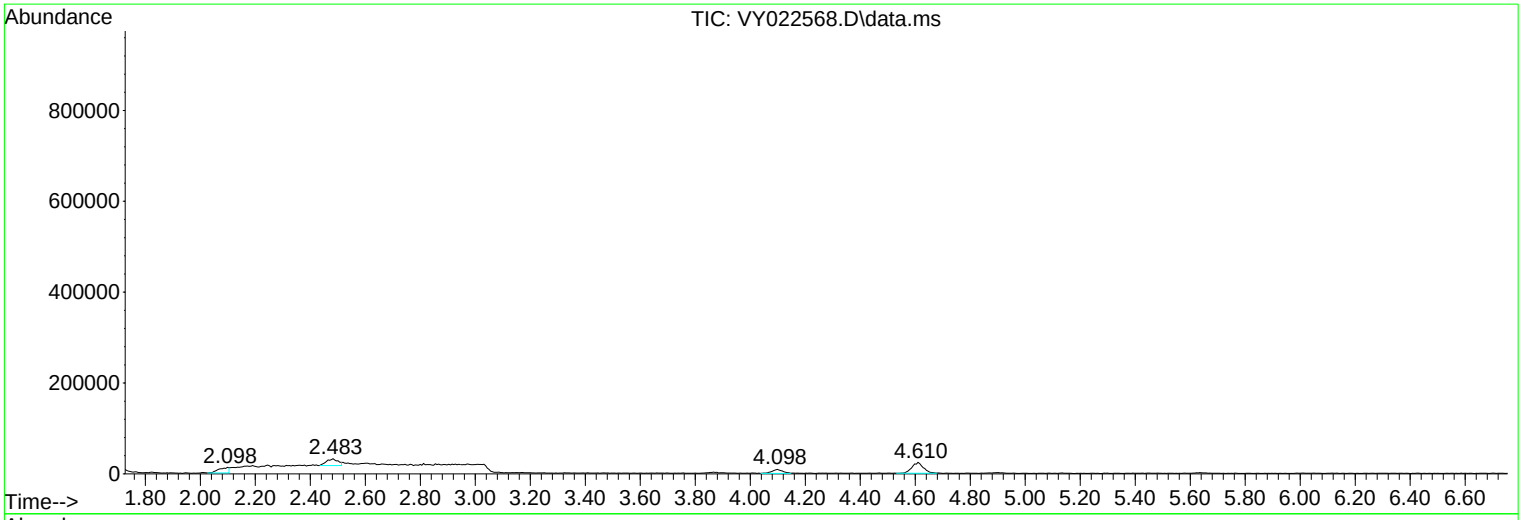
Sample Results: **VY022568.D**

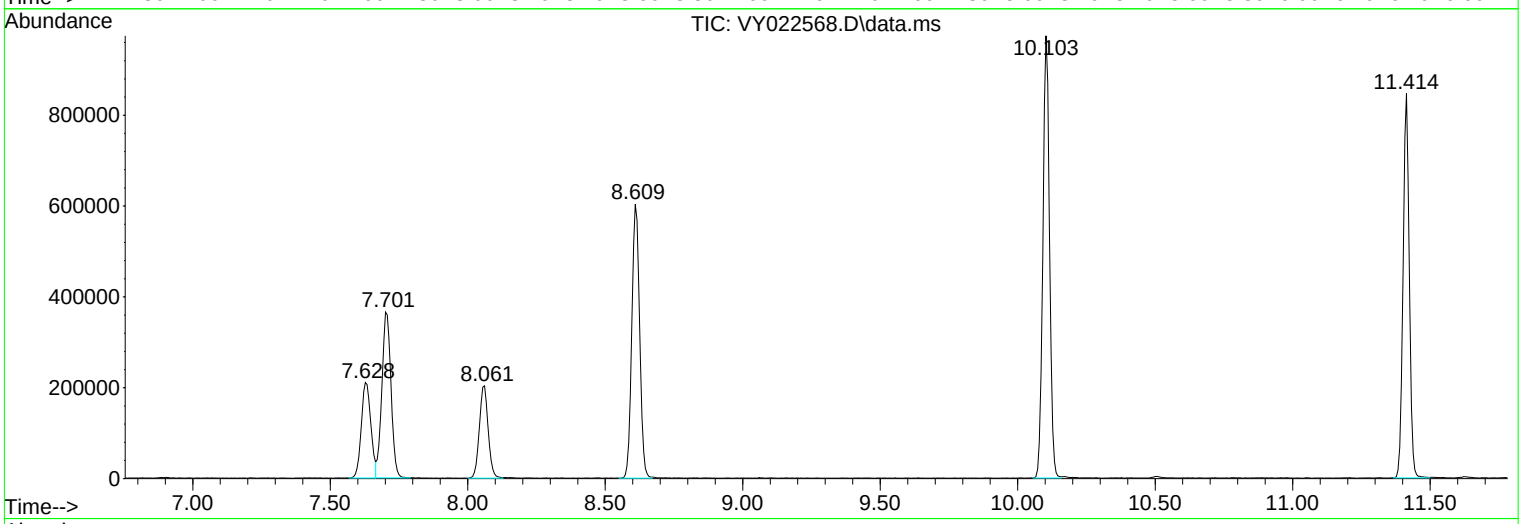
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

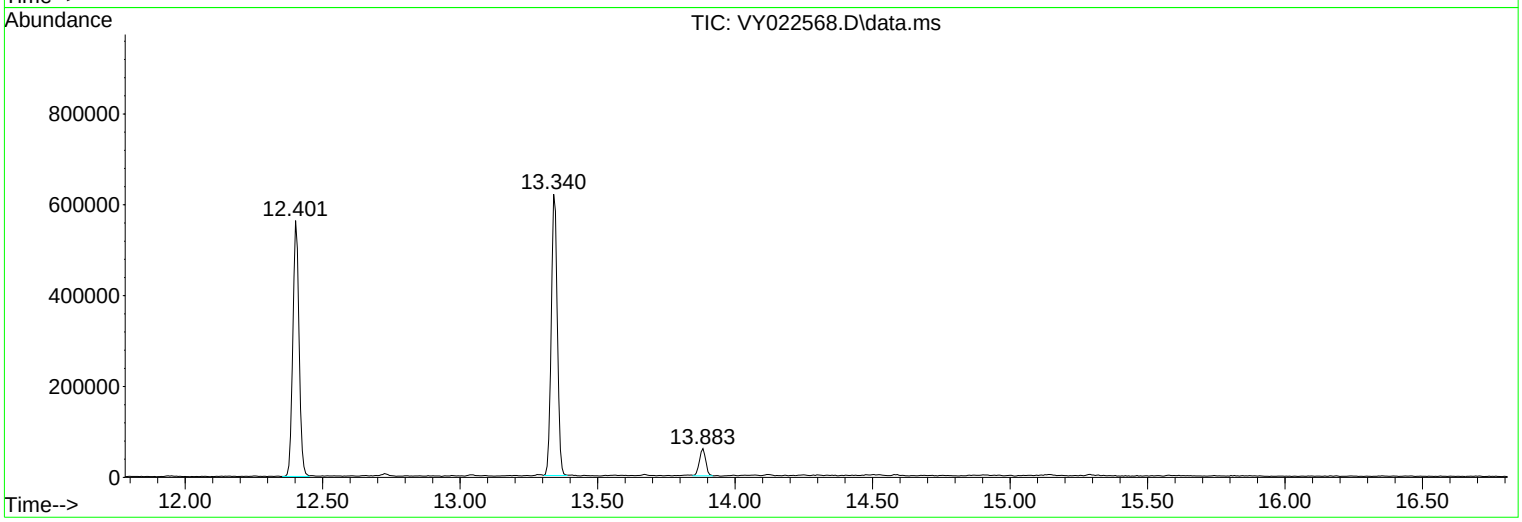
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

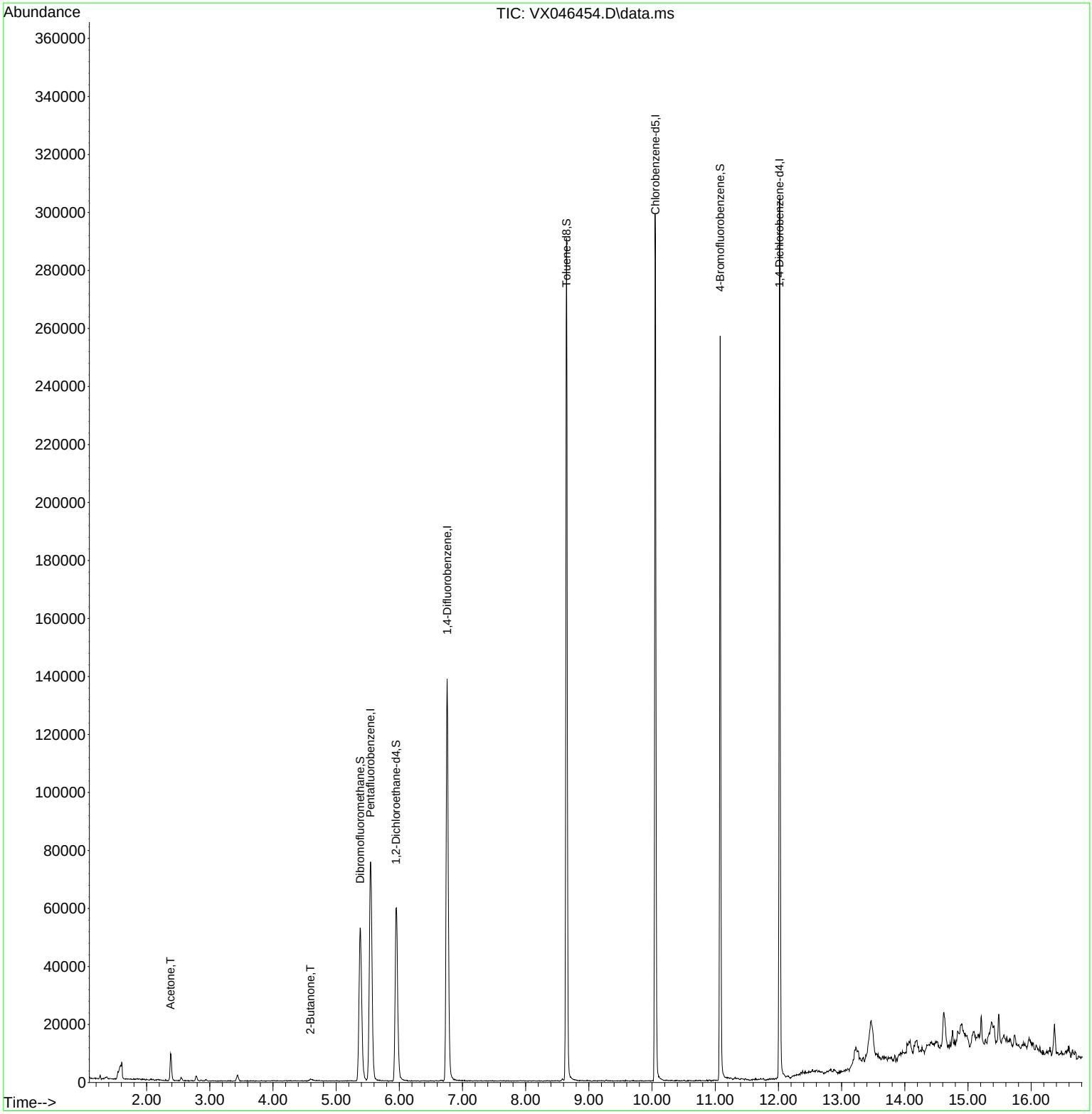
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131320	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63761	51.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	5.379	113	46419	49.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.647	98	164764	50.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	11.079	95	66656	53.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.180%			
Target Compounds						Qvalue
16) Acetone	2.380	43	10525	21.369	ug/l	98
25) 2-Butanone	4.593	43	1719	2.404	ug/l	91

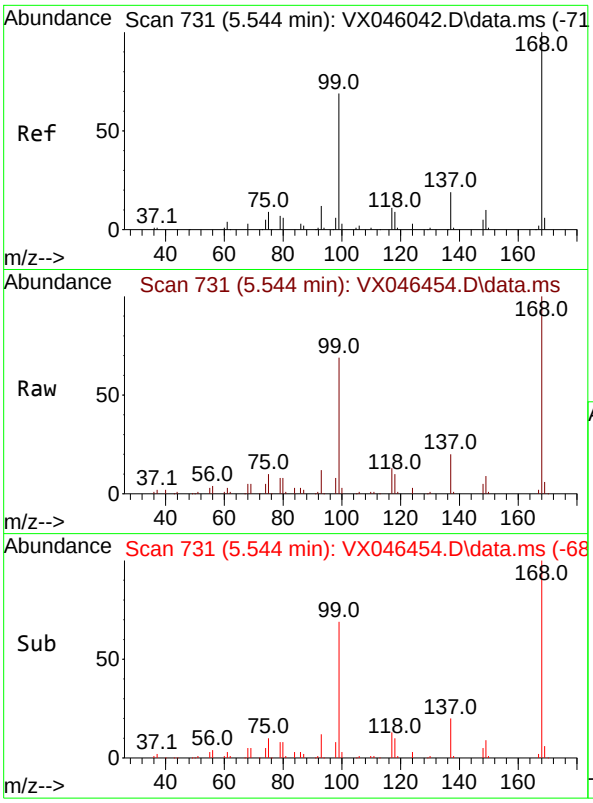
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



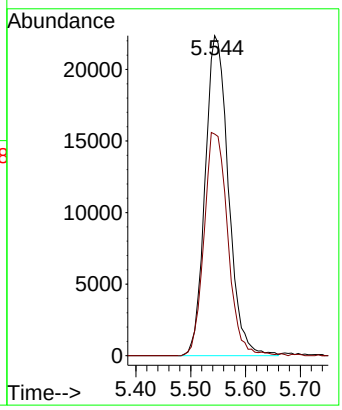


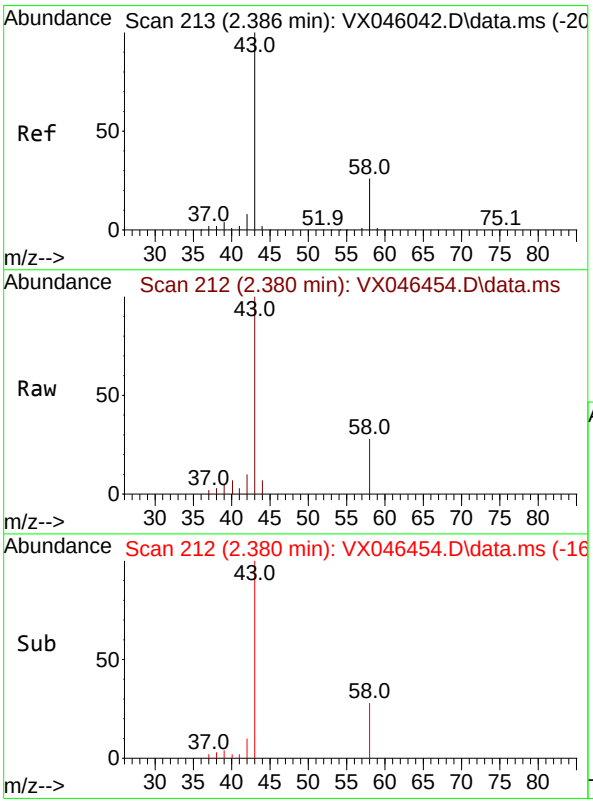
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:168 Resp: 65892

Ion	Ratio	Lower	Upper
168	100		
99	69.3	54.9	82.3

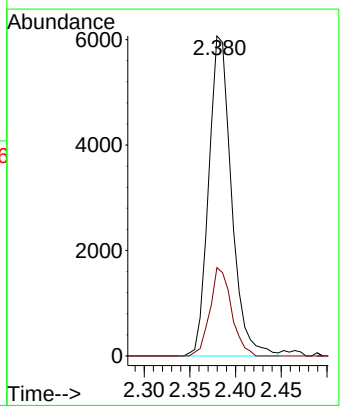


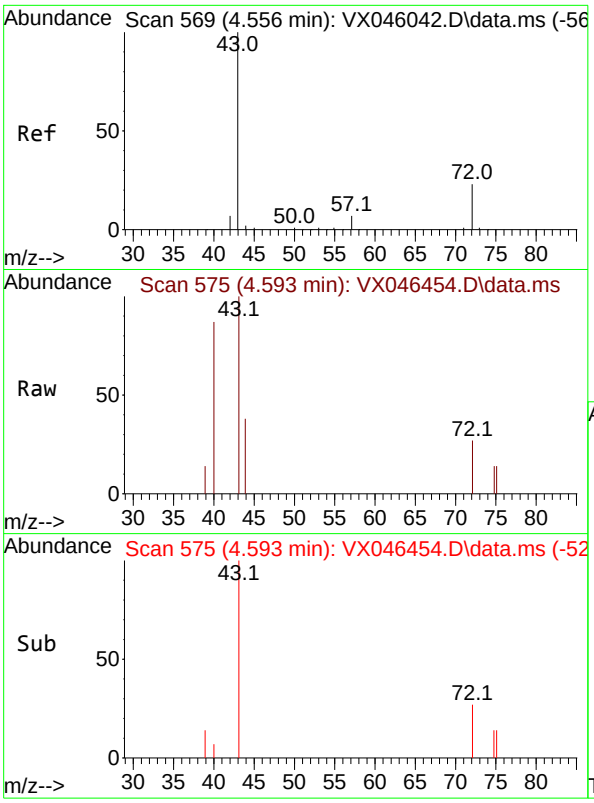


#16
Acetone
Concen: 21.369 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 43 Resp: 10525

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



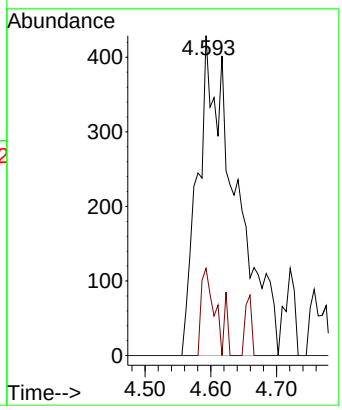


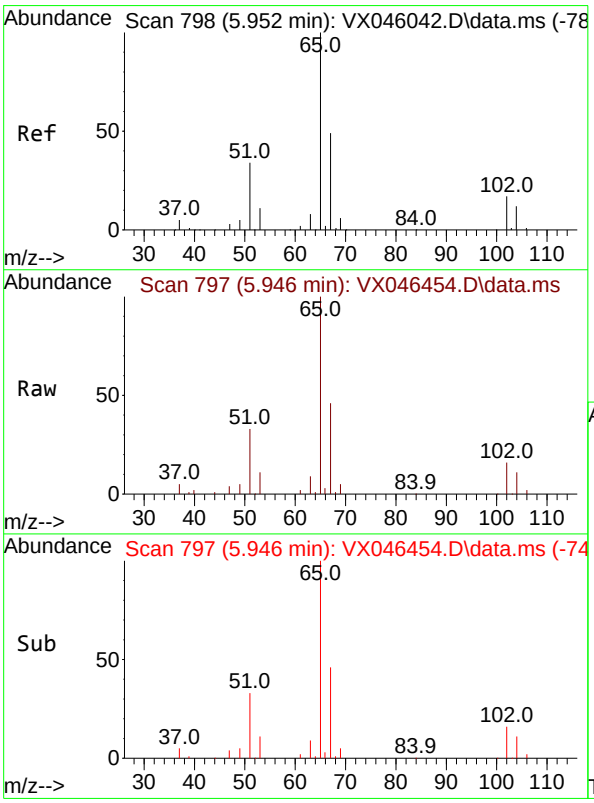
#25
2-Butanone
Concen: 2.404 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.036 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 43 Resp: 1719

Ion	Ratio	Lower	Upper
43	100		
72	27.3	18.4	27.6

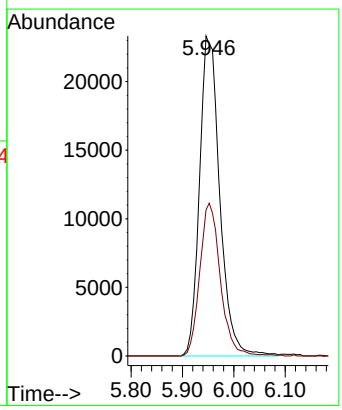


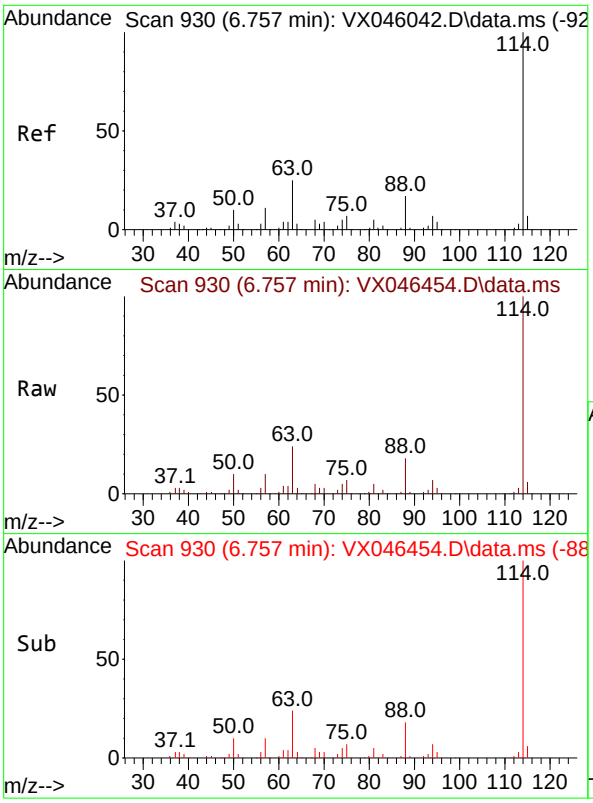


#33
1,2-Dichloroethane-d4
Concen: 51.904 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 65 Resp: 63761

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



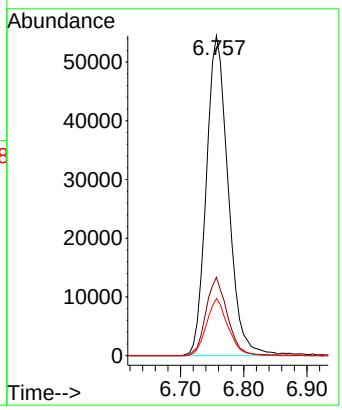


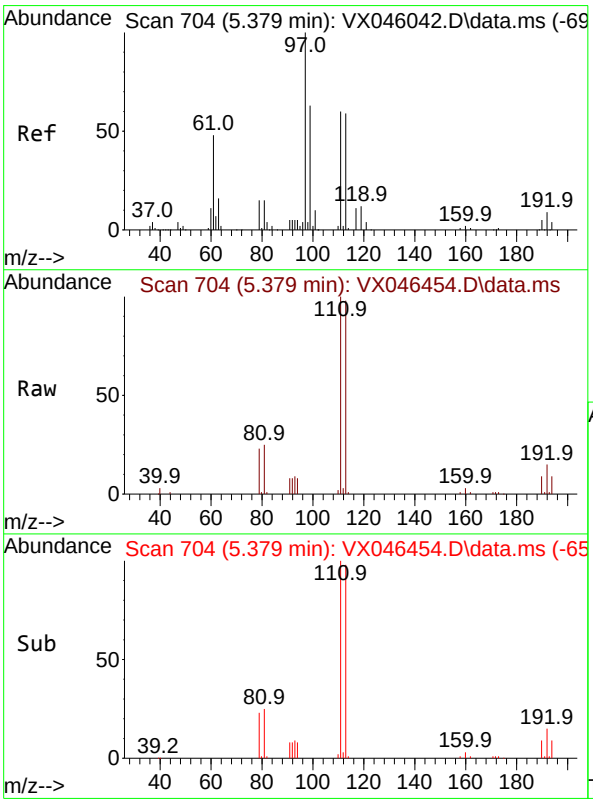
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:114 Resp: 131320

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.8	0.0	33.6

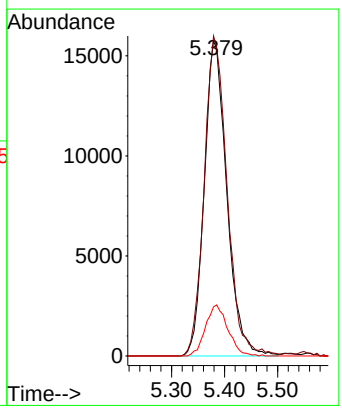


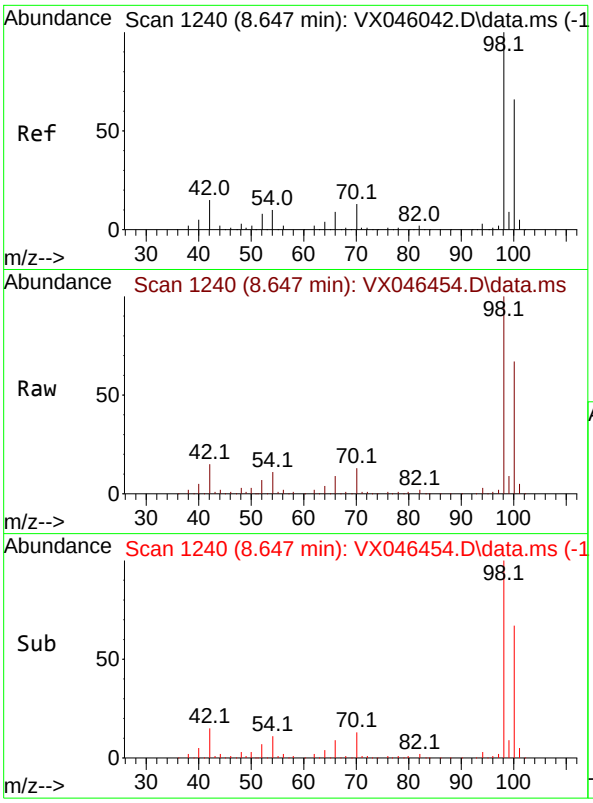


#35
Dibromofluoromethane
Concen: 49.087 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:113 Resp: 46419

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.1	13.3	19.9



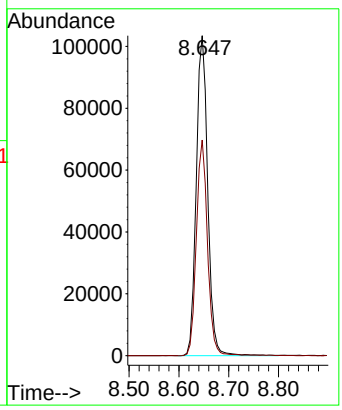


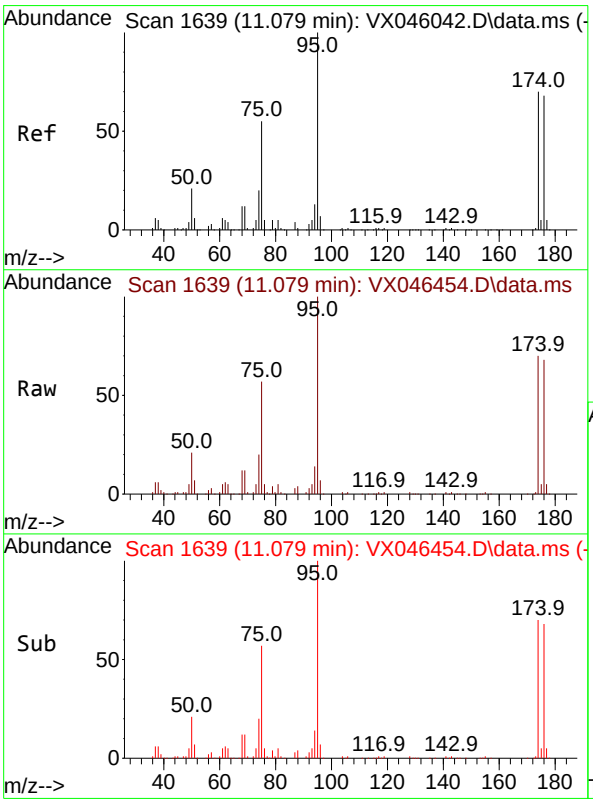
#50
Toluene-d8
Concen: 50.340 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 98 Resp: 164764

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

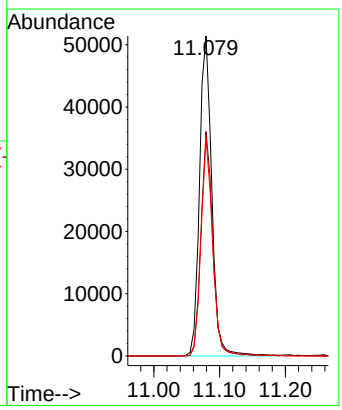


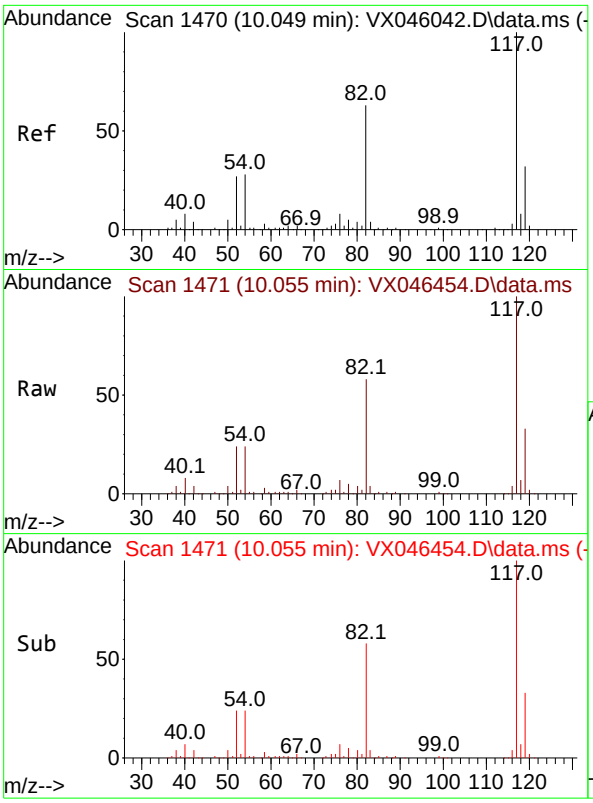


#62
4-Bromofluorobenzene
Concen: 53.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 95 Resp: 66656

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	64.5	0.0	131.4



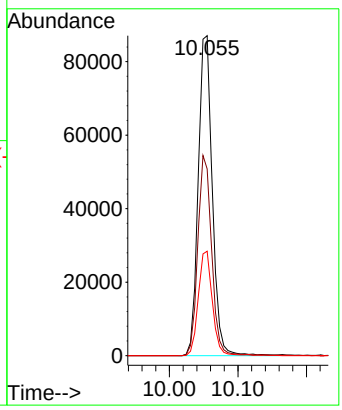


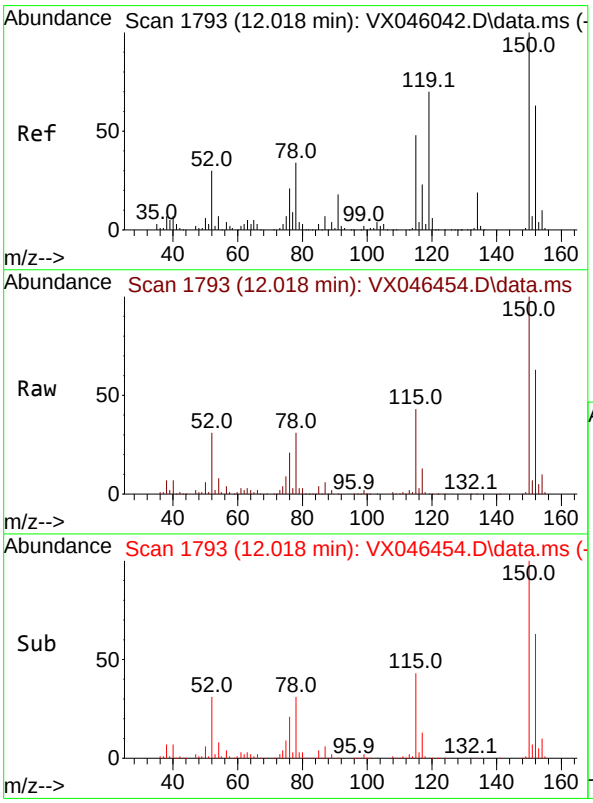
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:117 Resp: 124794

Ion	Ratio	Lower	Upper
117	100		
82	58.4	50.6	76.0
119	32.7	25.8	38.6

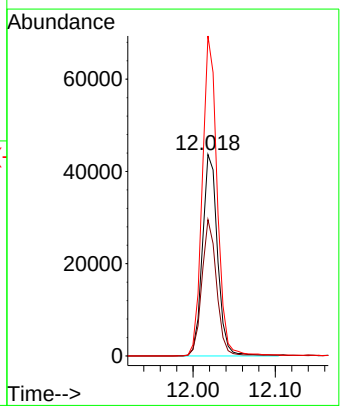




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:152 Resp: 55855

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	156.7	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	76	82	83	rVV4	4769	10017	2.19%	0.376%
2	1.605	83	85	92	rVB4	5733	6592	1.44%	0.248%
3	2.380	205	212	220	rBV	9428	16520	3.61%	0.621%
4	3.440	380	386	392	rVB2	2157	4607	1.01%	0.173%
5	5.379	694	704	720	rBV	52819	157562	34.42%	5.919%
6	5.544	720	731	743	rBV	75336	218080	47.64%	8.192%
7	5.952	788	798	815	rBV	59788	166913	36.46%	6.270%
8	6.757	920	930	946	rBV	138703	333333	72.82%	12.522%
9	8.647	1233	1240	1250	rBV	290401	457769	100.00%	17.196%
10	10.049	1465	1470	1479	rBV	298916	422160	92.22%	15.858%
11	11.079	1634	1639	1650	rBV	256571	325232	71.05%	12.217%
12	12.018	1788	1793	1803	rBV	303082	378888	82.77%	14.233%
13	13.183	1974	1984	1985	rBV9	3932	8858	1.94%	0.333%
14	13.469	2020	2031	2042	rVB5	11821	49228	10.75%	1.849%
15	14.621	2214	2220	2231	rVB6	12142	34804	7.60%	1.307%
16	14.755	2238	2242	2246	rBV7	5641	7906	1.73%	0.297%
17	14.841	2253	2256	2260	rBV6	3381	6772	1.48%	0.254%
18	15.213	2314	2317	2325	rVB5	9748	13676	2.99%	0.514%
19	15.487	2359	2362	2369	rVB4	10086	14776	3.23%	0.555%
20	15.743	2400	2404	2408	rVB7	3505	5935	1.30%	0.223%
21	16.371	2501	2507	2512	rVB3	10210	17624	3.85%	0.662%
22	16.657	2549	2554	2558	rBV7	2622	4804	1.05%	0.180%

Sum of corrected areas: 2662056

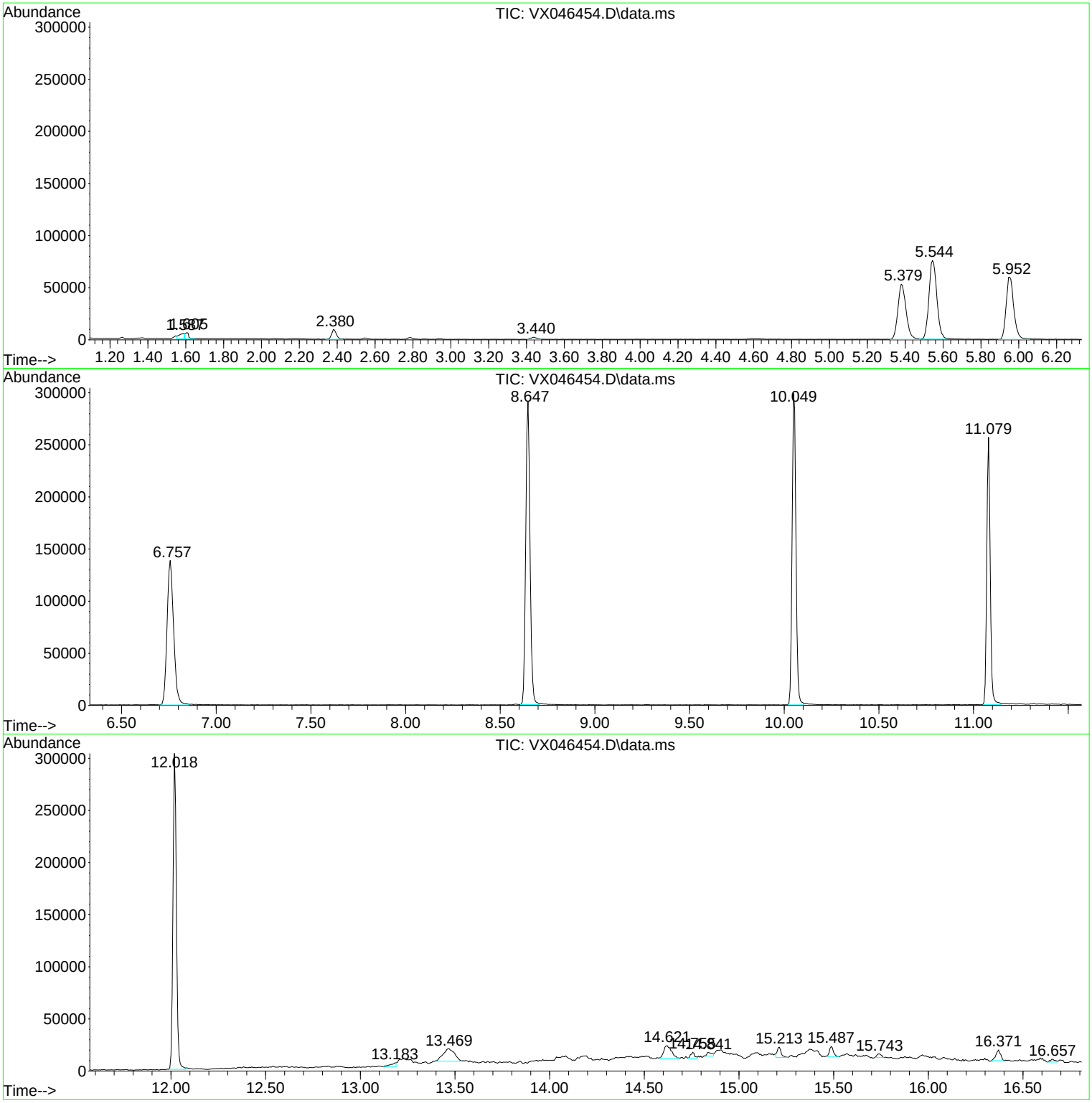
Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

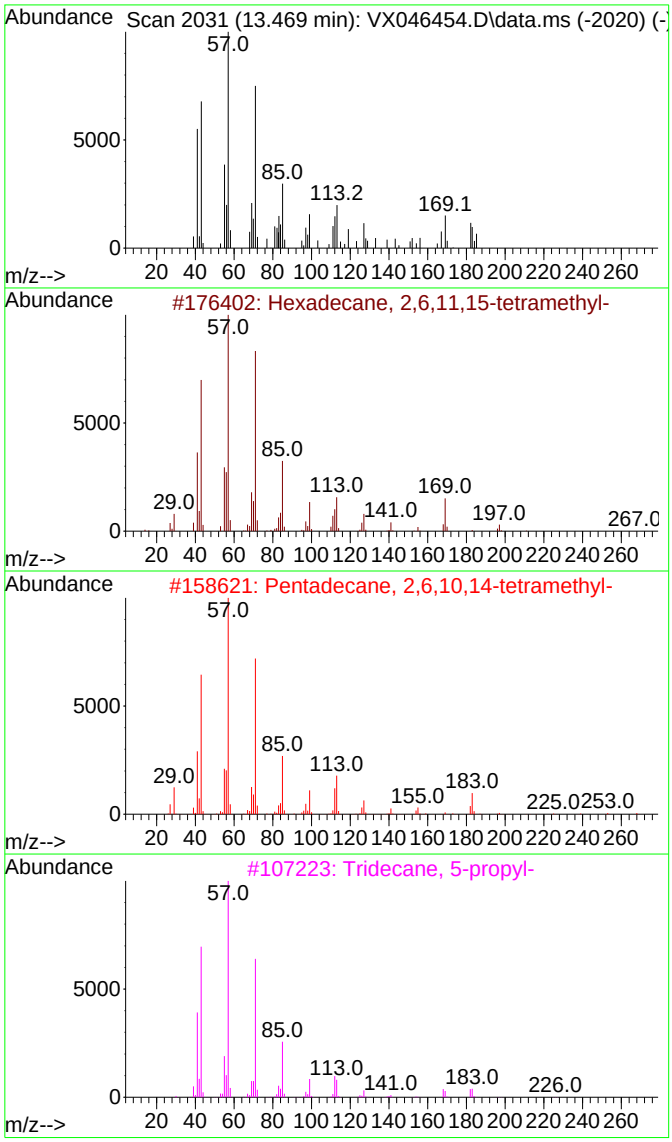
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

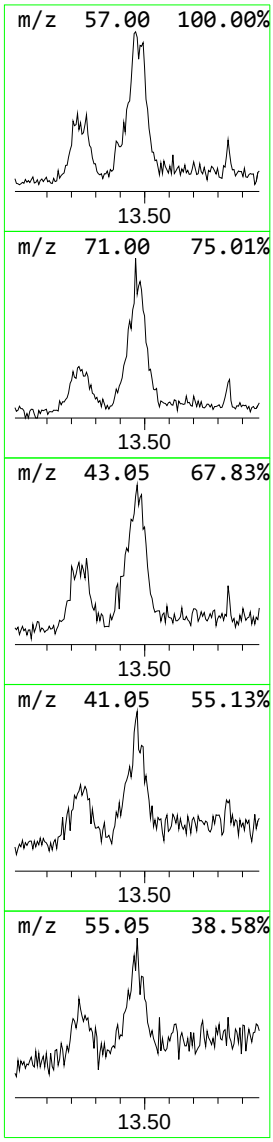
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	6.50 ug/l	49228	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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
Hexadecane, 2,6...	13.469	6.5	ug/l	49228	4	12.018	378888	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	60024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62292	55.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	5.379	113	45512	51.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.647	98	152857	50.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	60133	51.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			

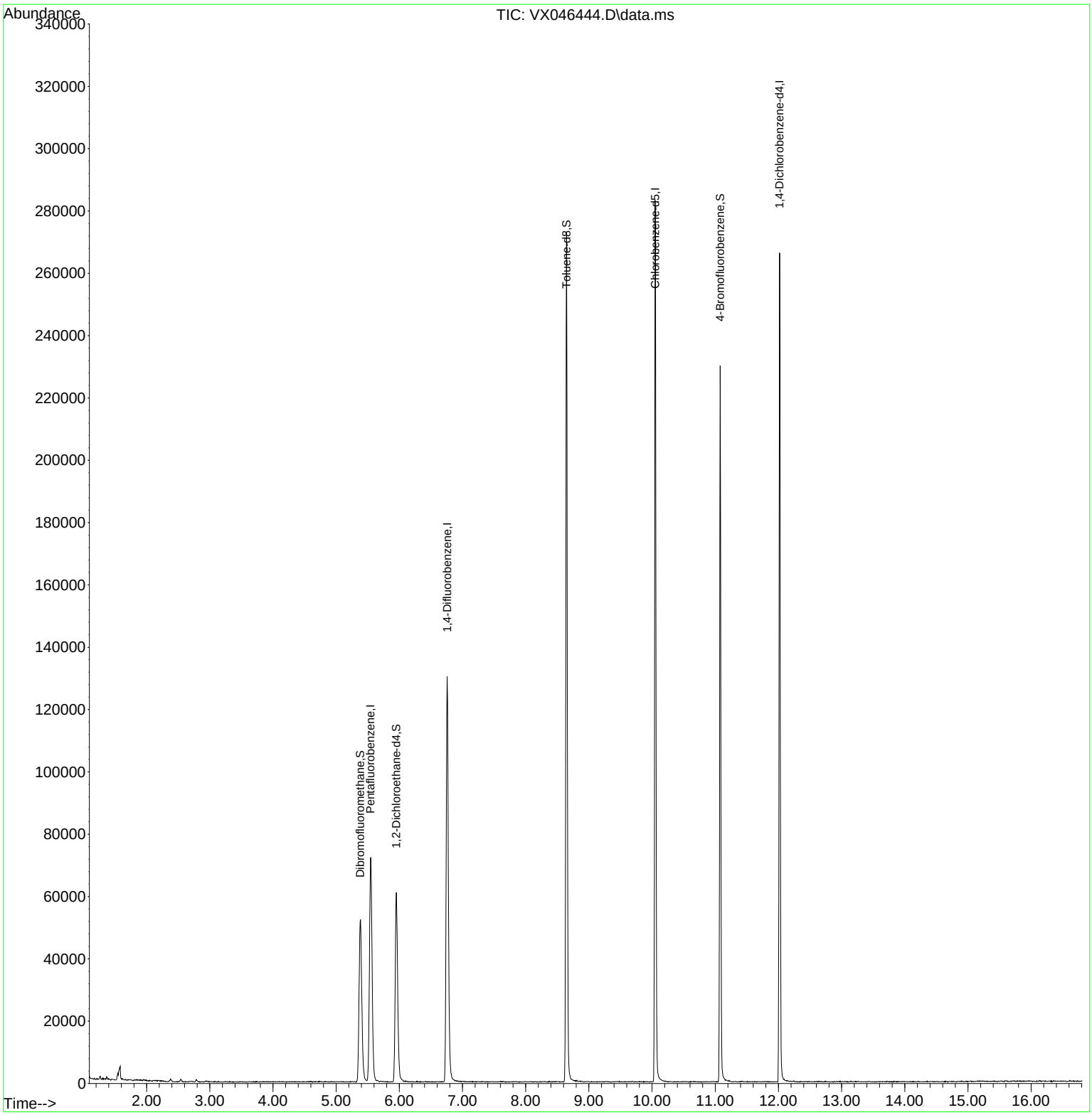
Target Compounds Qvalue

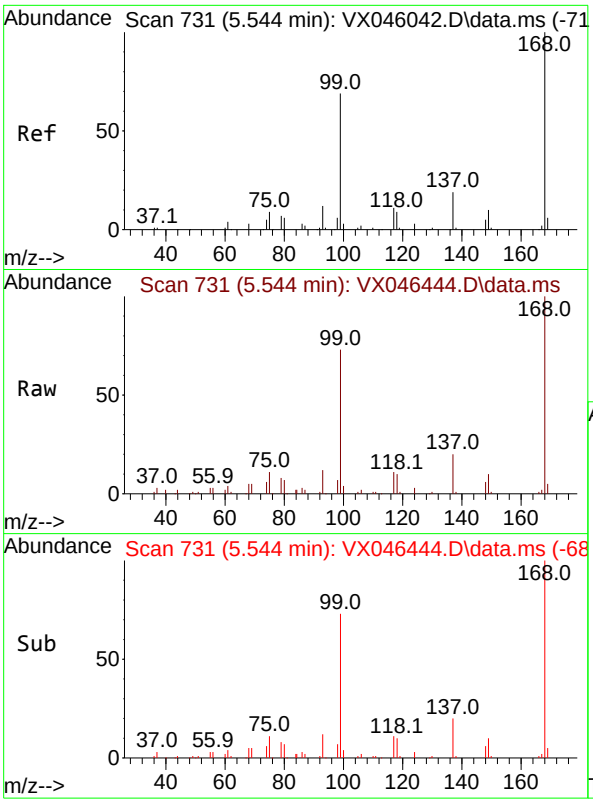
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



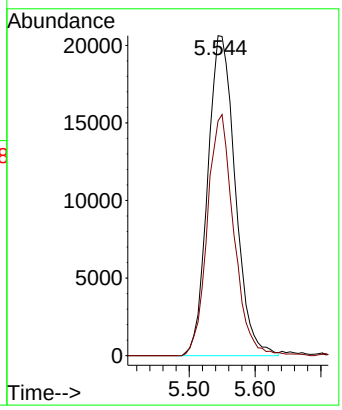


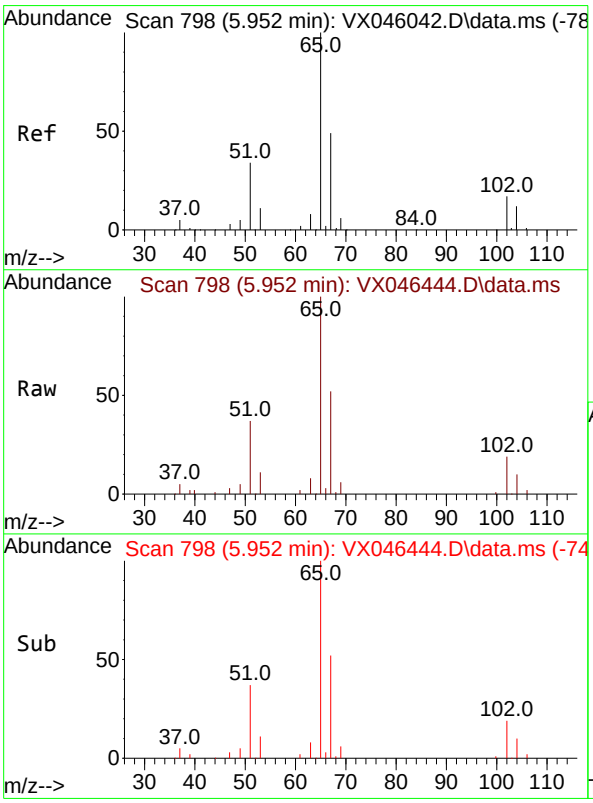
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:168 Resp: 60024

Ion	Ratio	Lower	Upper
168	100		
99	73.3	54.9	82.3

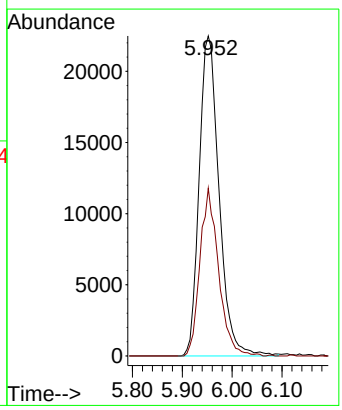


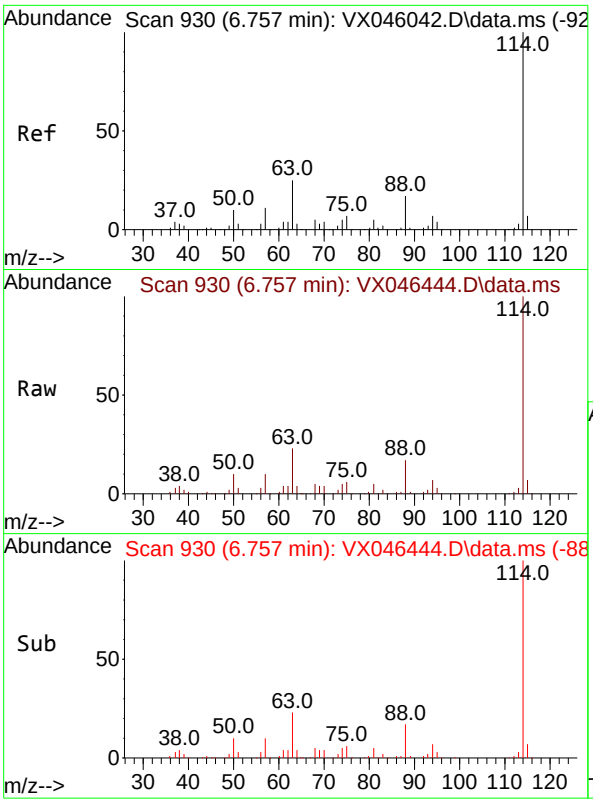


#33
1,2-Dichloroethane-d4
Concen: 55.666 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion: 65 Resp: 62292

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



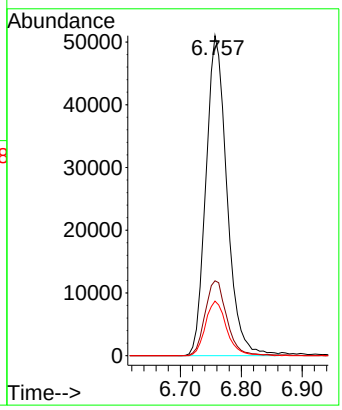


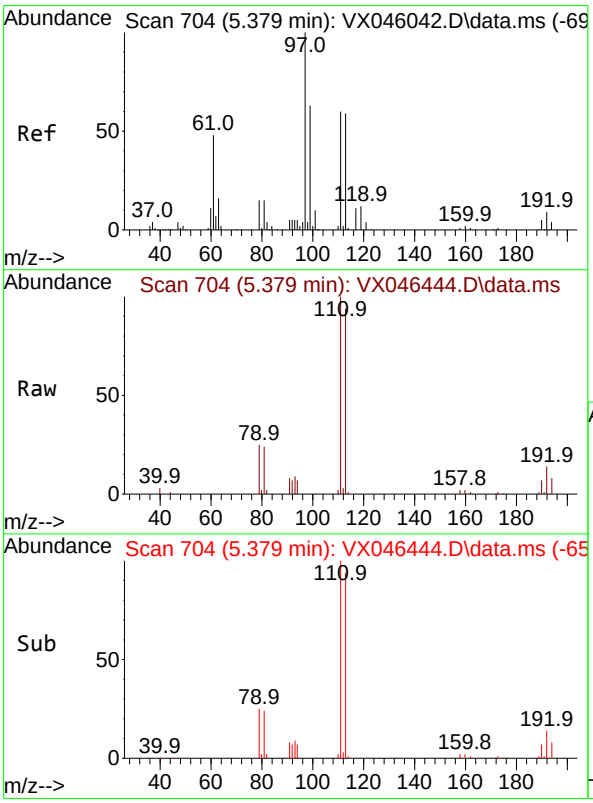
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:114 Resp: 122332

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	17.1	0.0	33.6

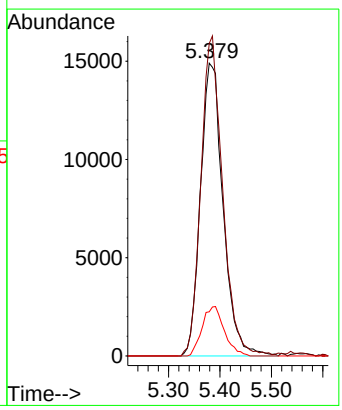


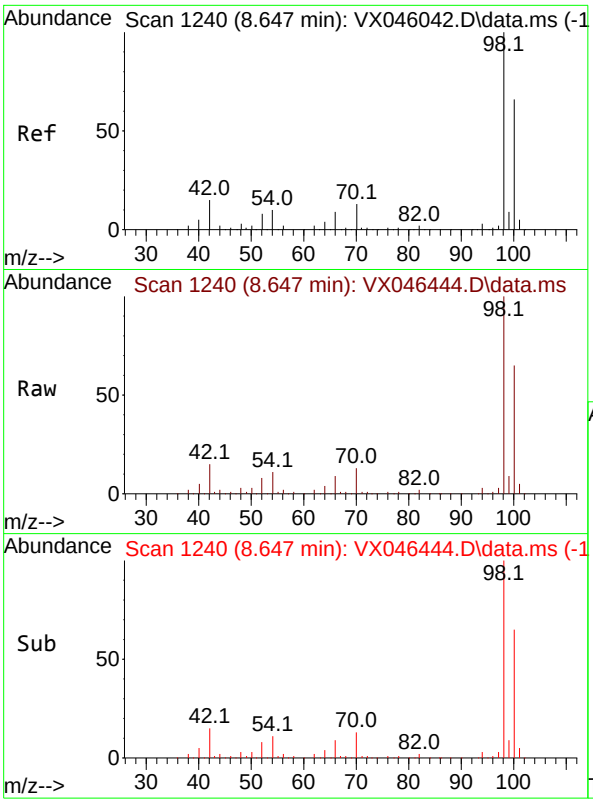


#35
Dibromofluoromethane
Concen: 51.664 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:113 Resp: 45512

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.1	124.7
192	16.6	13.3	19.9



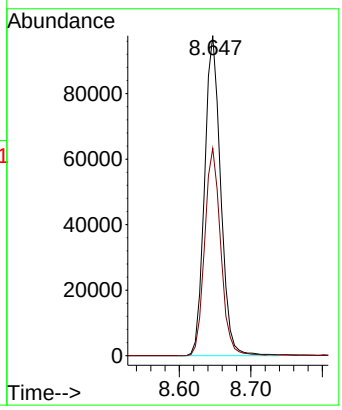


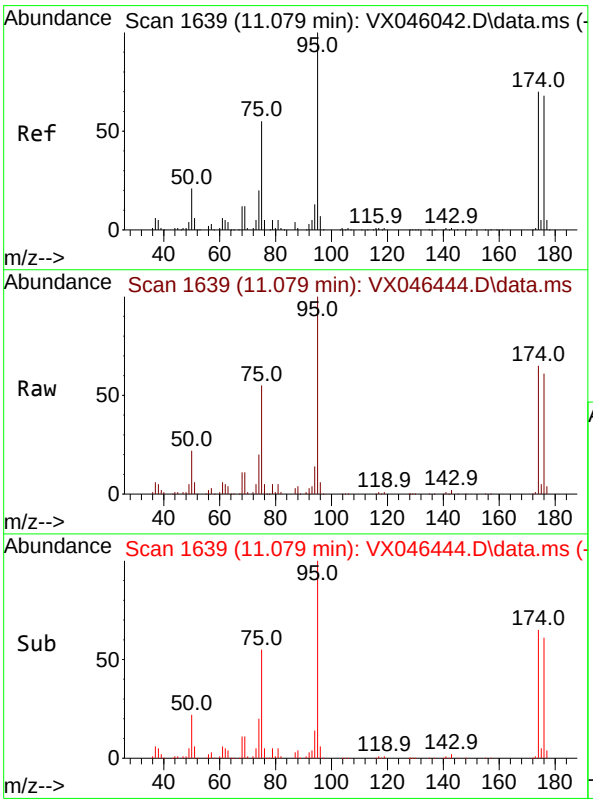
#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion: 98 Resp: 152857

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3

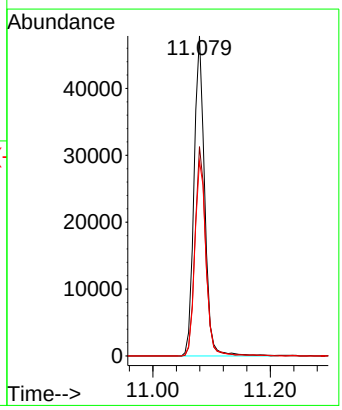




#62
4-Bromofluorobenzene
Concen: 51.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

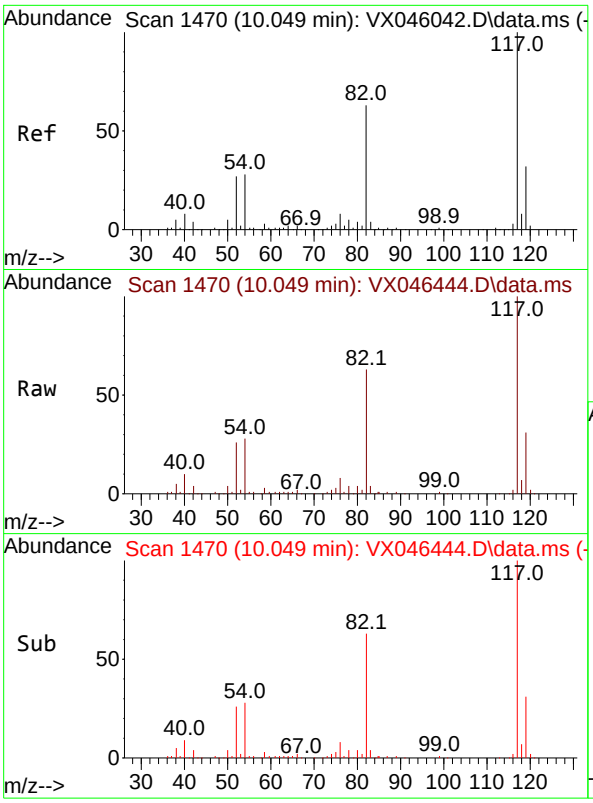
Tgt Ion: 95 Resp: 60133

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	63.7	0.0	131.4



5

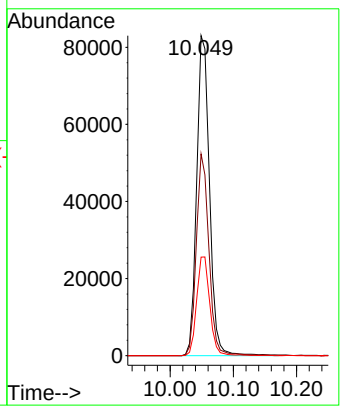
Instrument :
MSVOA_X
ClientSampleId :
TB05312025

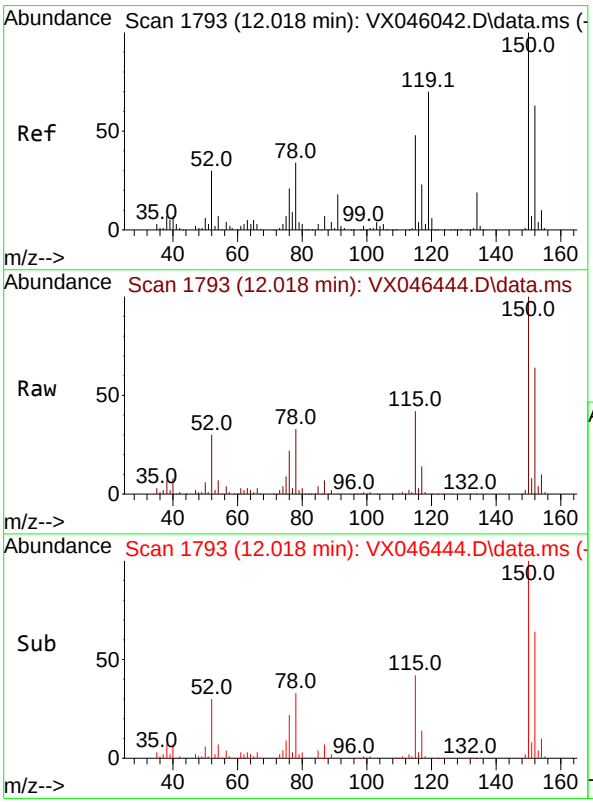


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:117 Resp: 117285

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	30.8	25.8	38.6

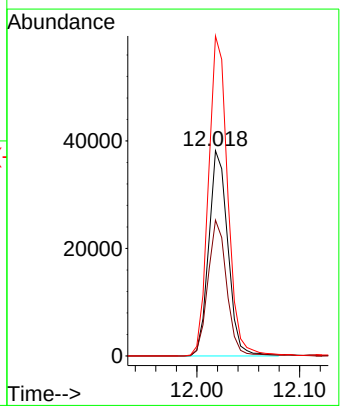




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:152 Resp: 49224

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	157.2	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	76	81	85	rVB4	4182	6832	1.58%	0.297%
2	5.385	695	705	722	rBV2	52089	155617	36.10%	6.767%
3	5.550	722	732	745	rVV	71622	202319	46.93%	8.798%
4	5.952	788	798	817	rBV	60779	162795	37.76%	7.080%
5	6.757	921	930	950	rBV	130097	314504	72.95%	13.677%
6	8.647	1233	1240	1252	rBV	272823	431100	100.00%	18.748%
7	10.049	1465	1470	1494	rBV	282853	397135	92.12%	17.271%
8	11.079	1634	1639	1652	rBV	229882	291495	67.62%	12.677%
9	12.018	1788	1793	1804	rBV	266070	337688	78.33%	14.685%

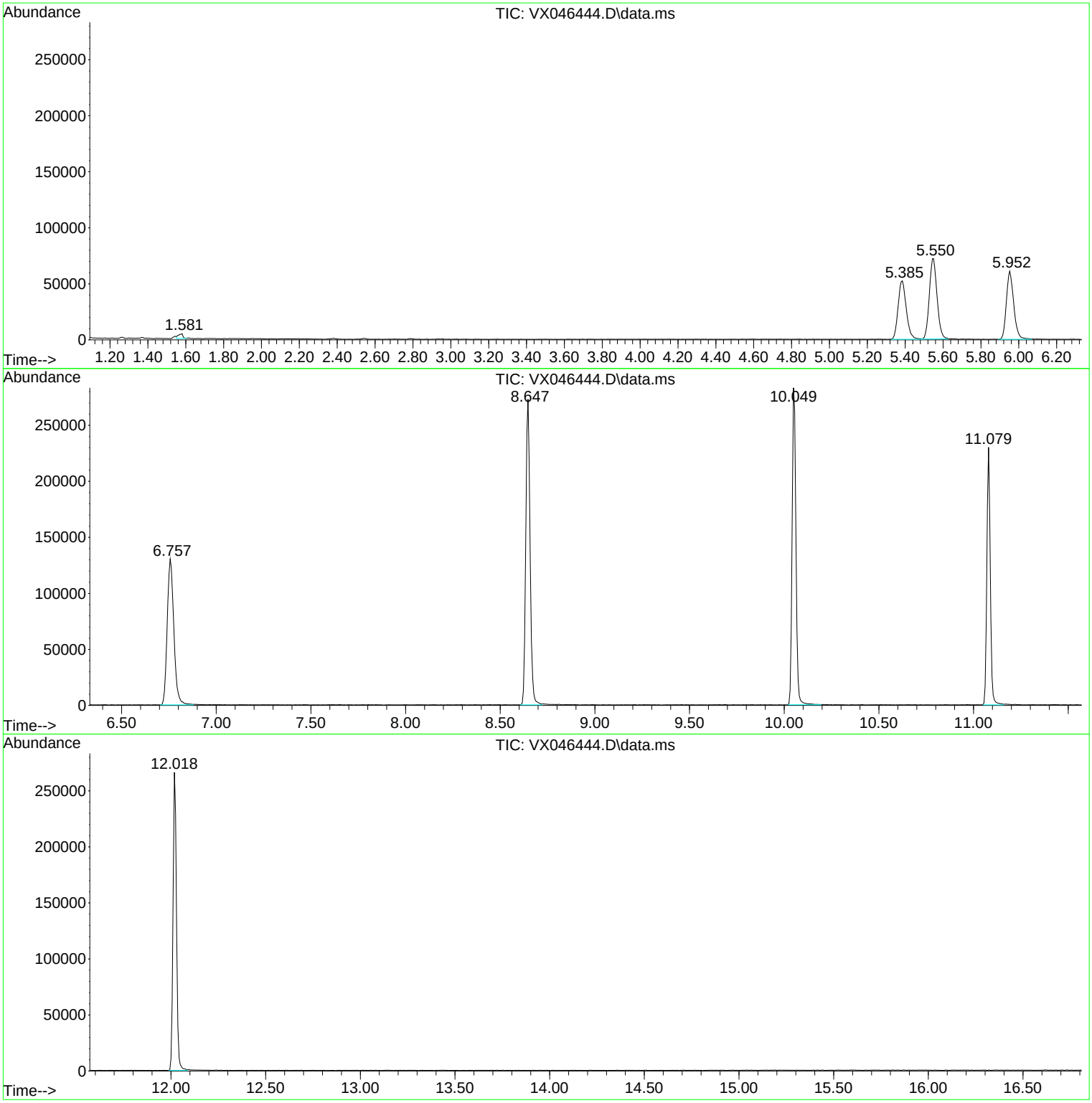
Sum of corrected areas: 2299485

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67353	53.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	5.379	113	48903	51.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.647	98	166762	50.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.720%			
62) 4-Bromofluorobenzene	11.079	95	63842	50.756	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			

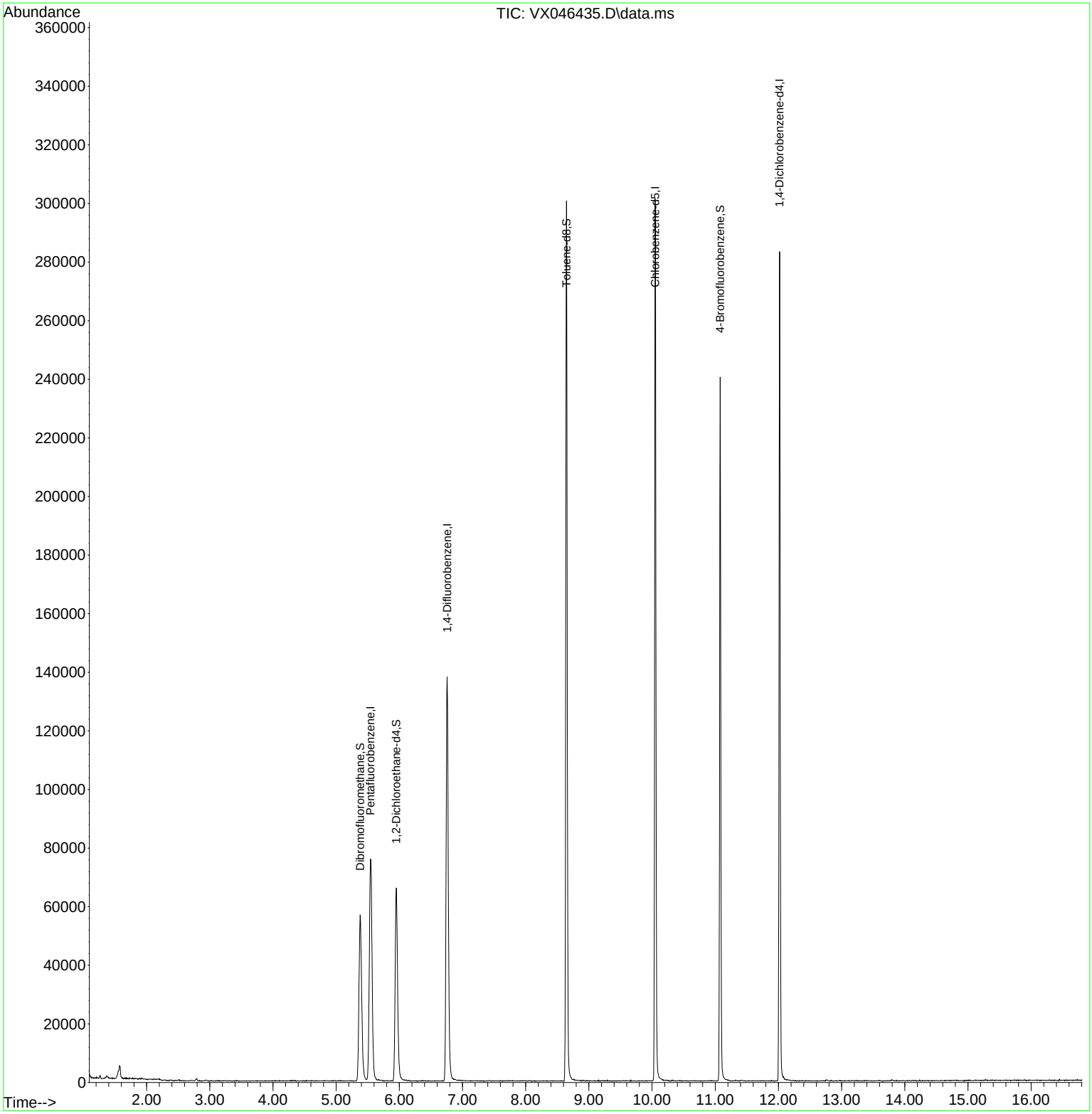
Target Compounds Qvalue

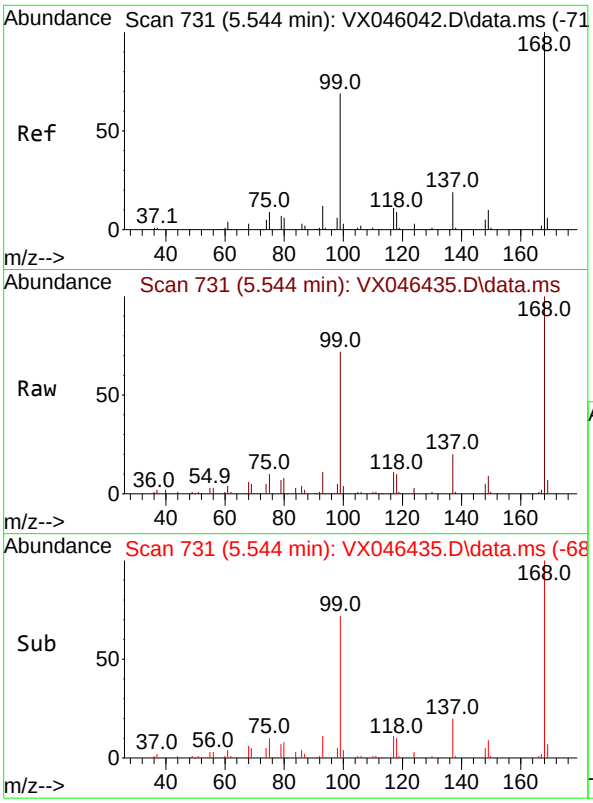
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



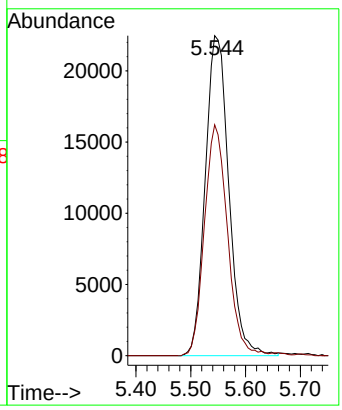


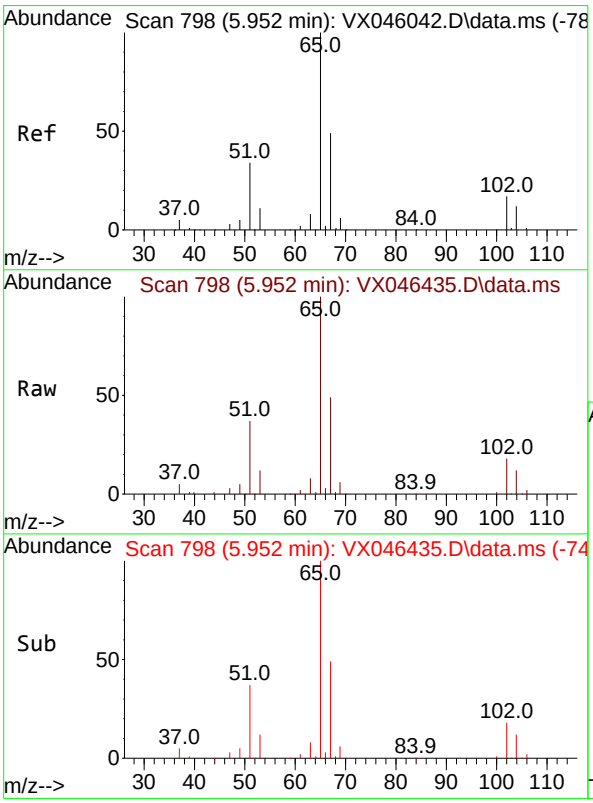
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:168 Resp: 66983

Ion	Ratio	Lower	Upper
168	100		
99	72.2	54.9	82.3

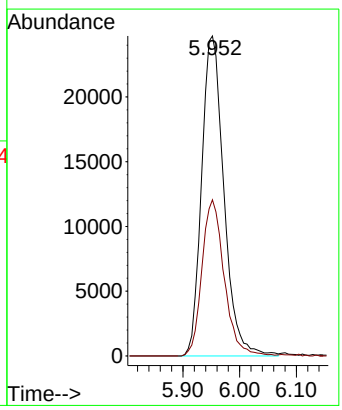


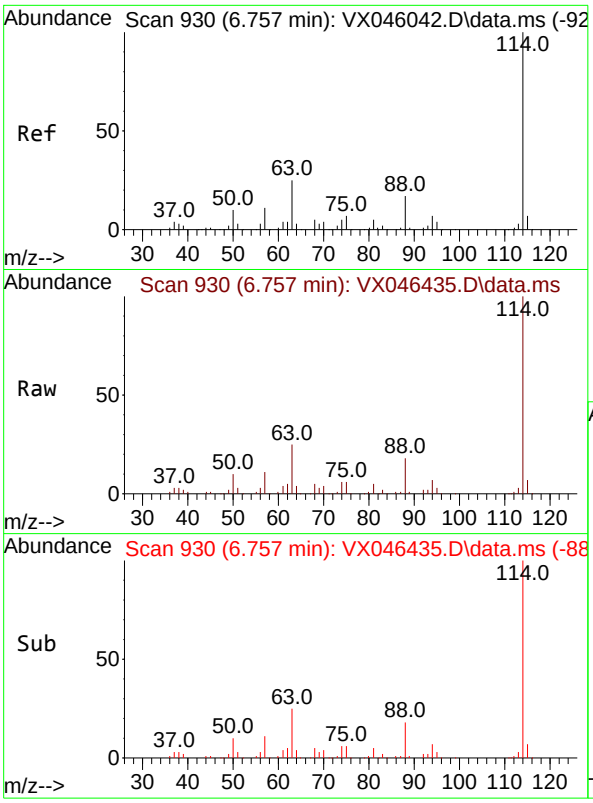


#33
1,2-Dichloroethane-d4
Concen: 53.935 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 65 Resp: 67353

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0



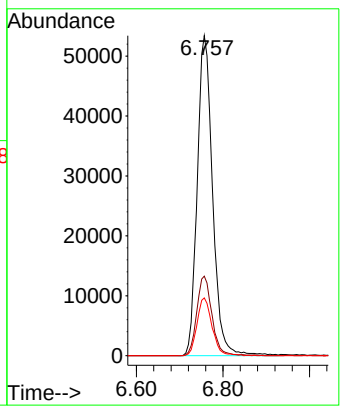


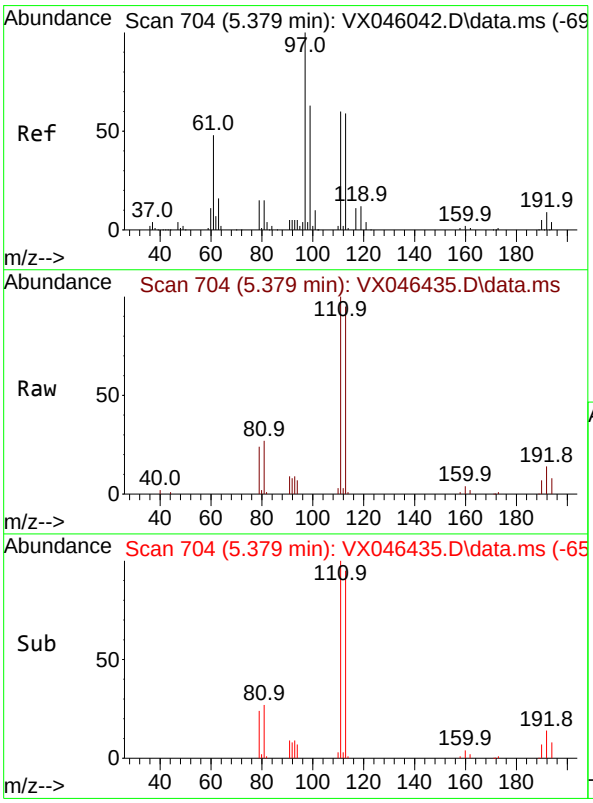
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:114 Resp: 131566

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	18.0	0.0	33.6

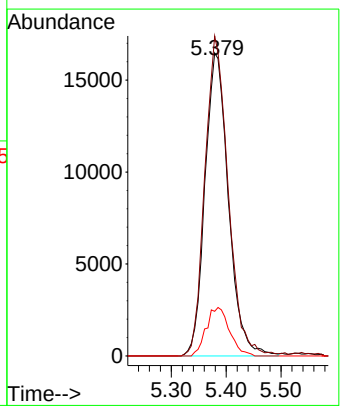


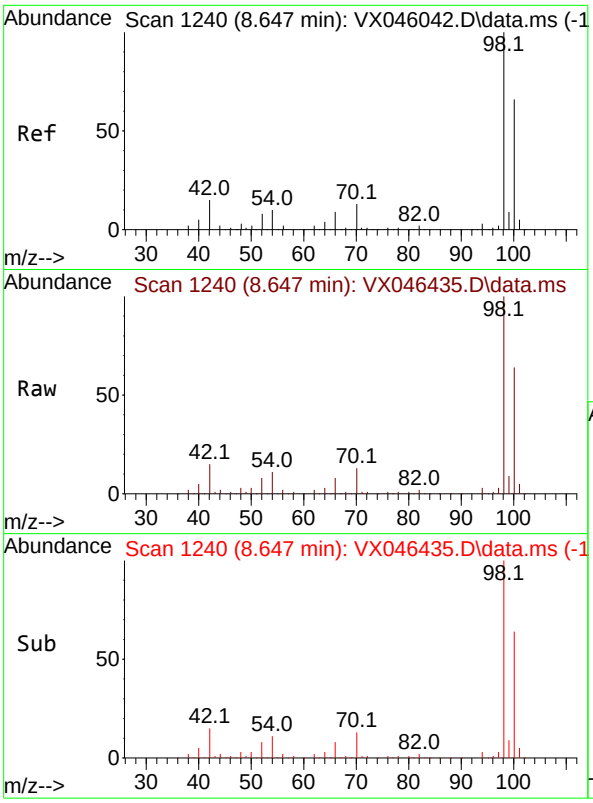


#35
Dibromofluoromethane
Concen: 51.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:113 Resp: 48903

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	15.9	13.3	19.9



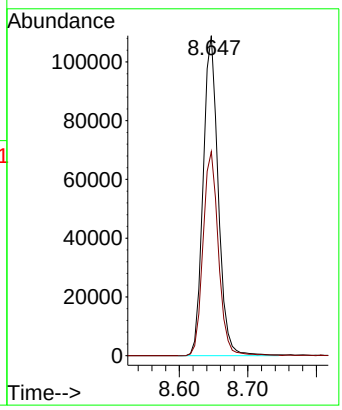


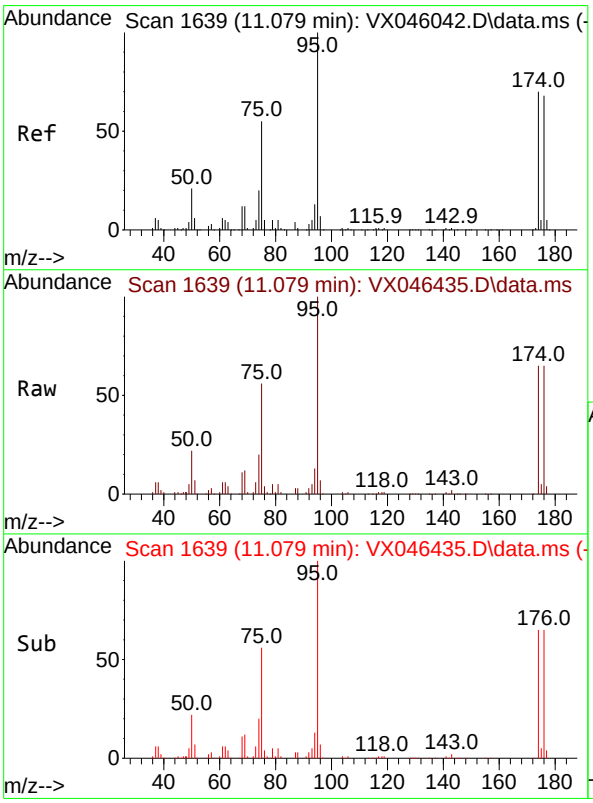
#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion: 98 Resp: 166762

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3

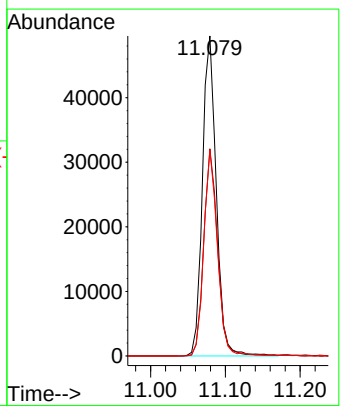


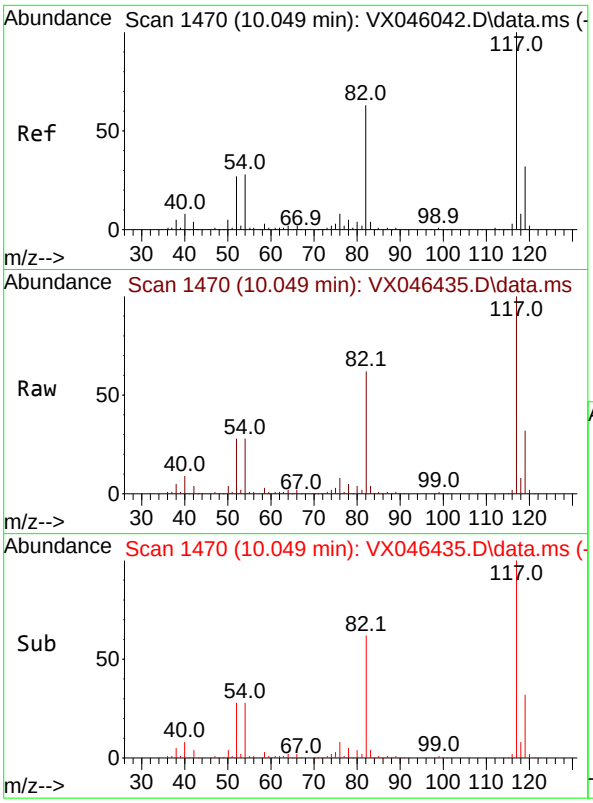


#62
4-Bromofluorobenzene
Concen: 50.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 95 Resp: 63842

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	63.5	0.0	131.4



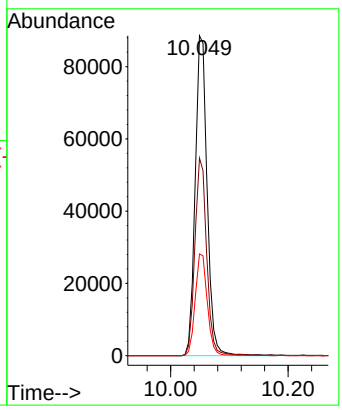


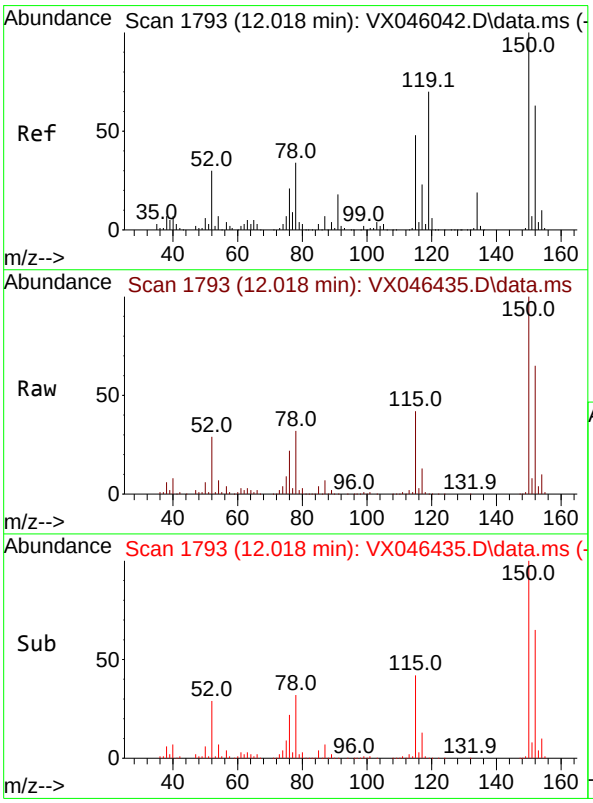
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:117 Resp: 125222

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	31.8	25.8	38.6

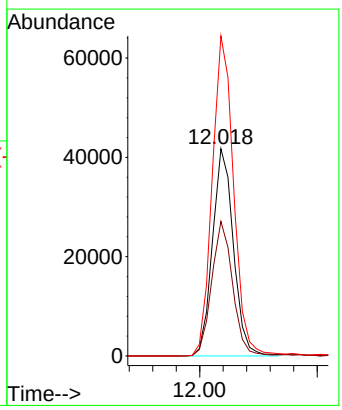




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:152 Resp: 51823

Ion	Ratio	Lower	Upper
152	100		
115	65.6	46.9	140.7
150	158.1	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	70	79	89	rVB4	4419	11721	2.49%	0.475%
2	5.379	694	704	721	rBV2	56697	167416	35.57%	6.784%
3	5.544	721	731	748	rVB2	75422	224586	47.72%	9.101%
4	5.952	789	798	809	rBV	65914	174073	36.99%	7.054%
5	6.757	921	930	943	rBV	137900	335539	71.30%	13.597%
6	8.647	1233	1240	1257	rBV	300448	470614	100.00%	19.071%
7	10.049	1465	1470	1489	rBV	300854	422138	89.70%	17.106%
8	11.079	1634	1639	1653	rBV	240111	308193	65.49%	12.489%
9	12.018	1788	1793	1802	rBV	283015	353466	75.11%	14.323%

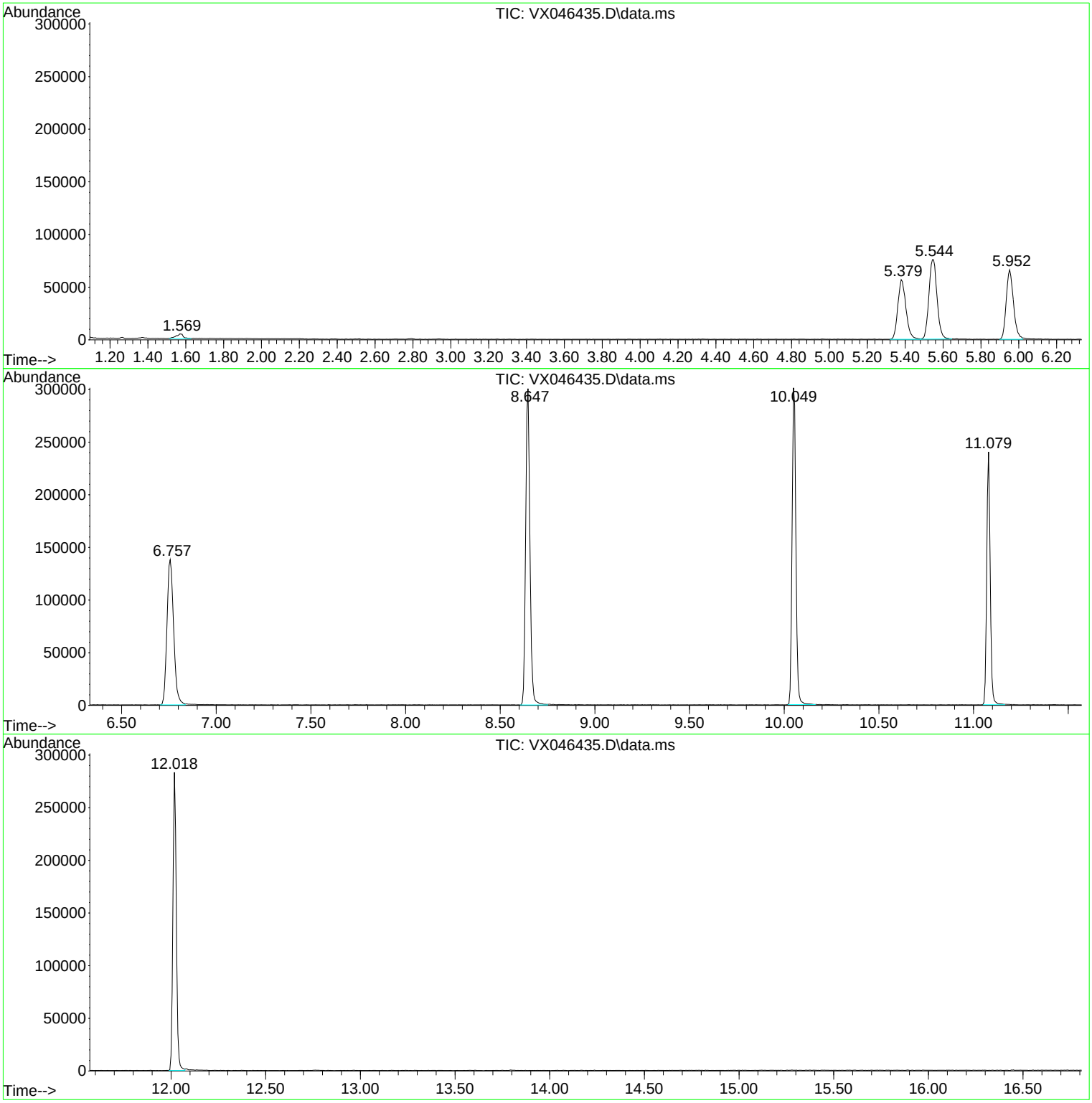
Sum of corrected areas: 2467746

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	287398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	428748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171949	53.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.980%			
35) Dibromofluoromethane	7.640	113	162497	50.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	643614	49.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	161263	41.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.980%			

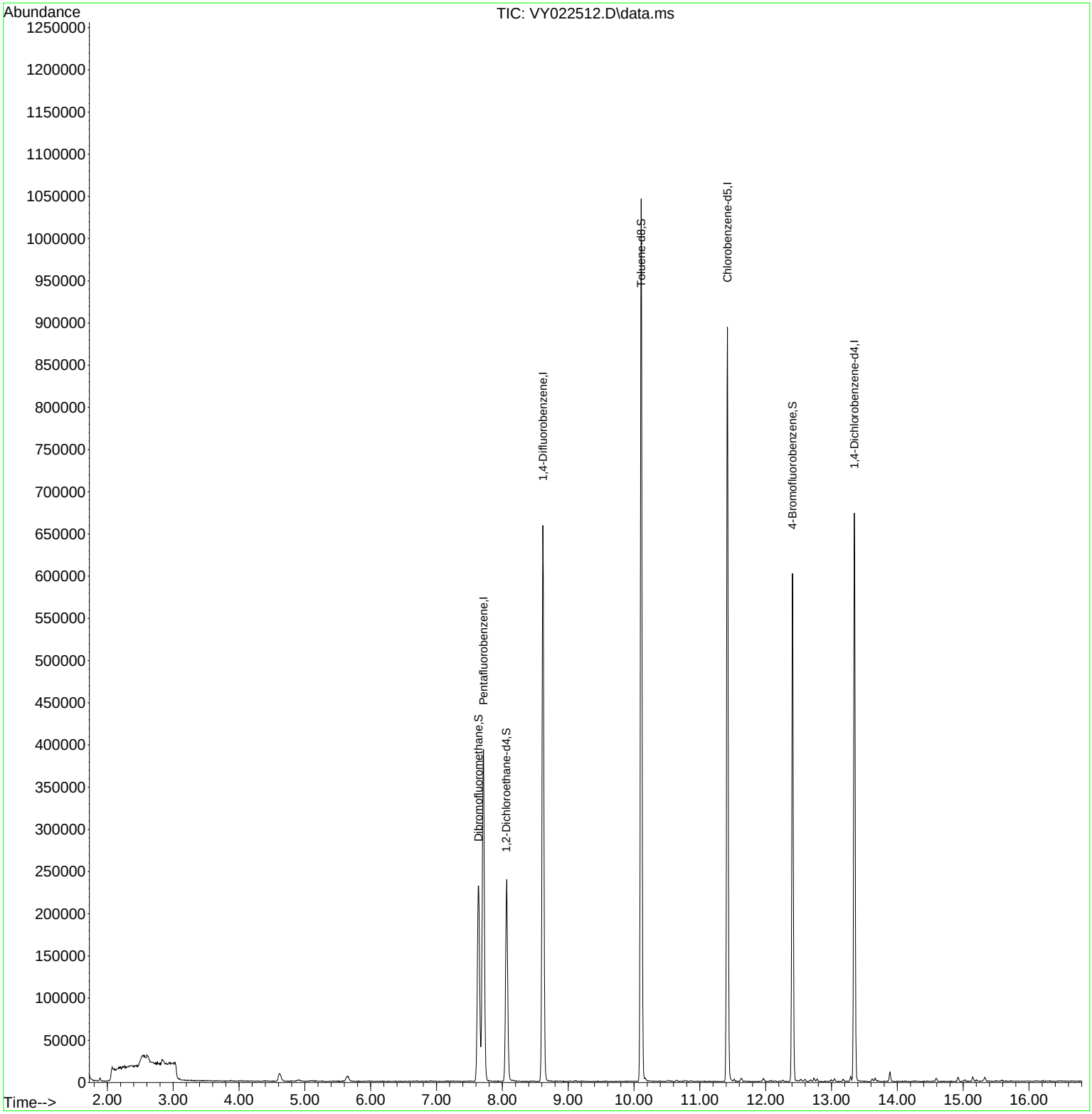
Target Compounds Qvalue

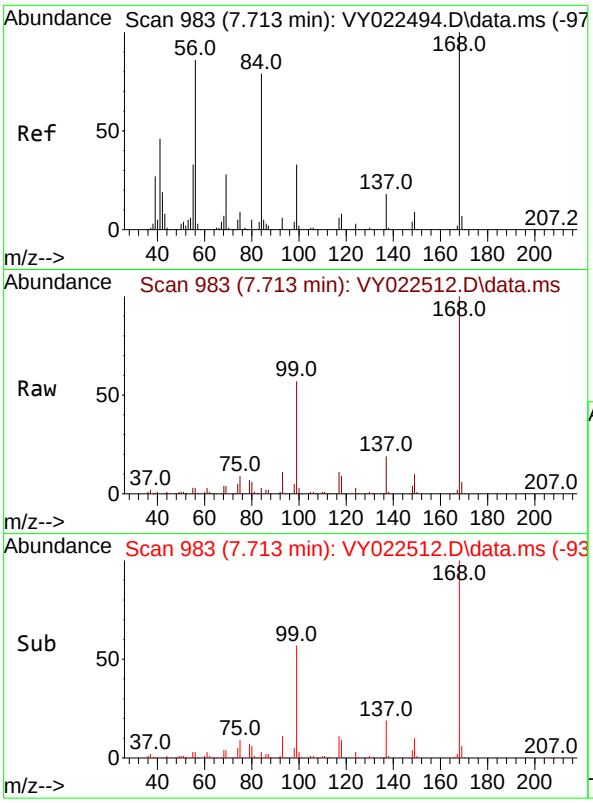
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



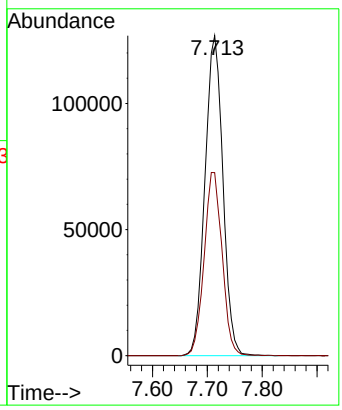


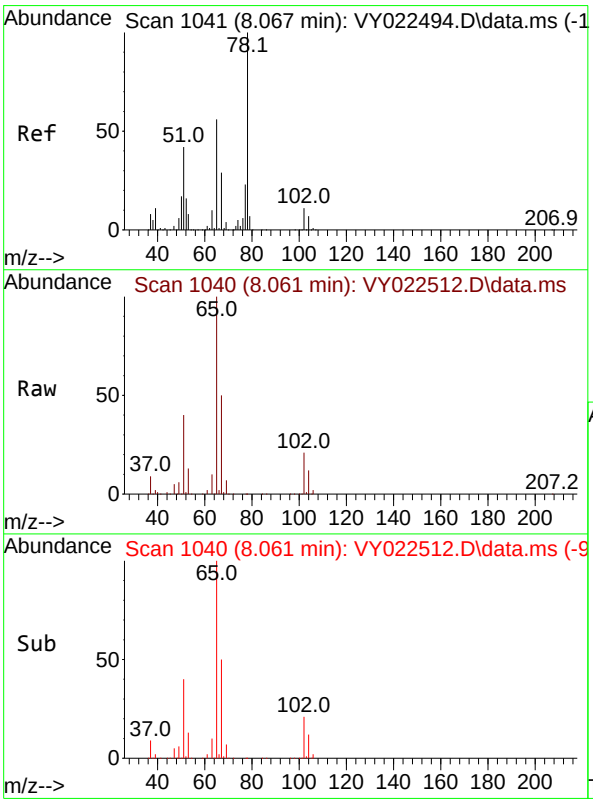
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:168 Resp: 287398

Ion	Ratio	Lower	Upper
168	100		
99	57.2	44.3	66.5

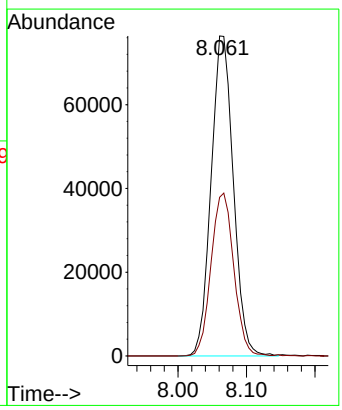


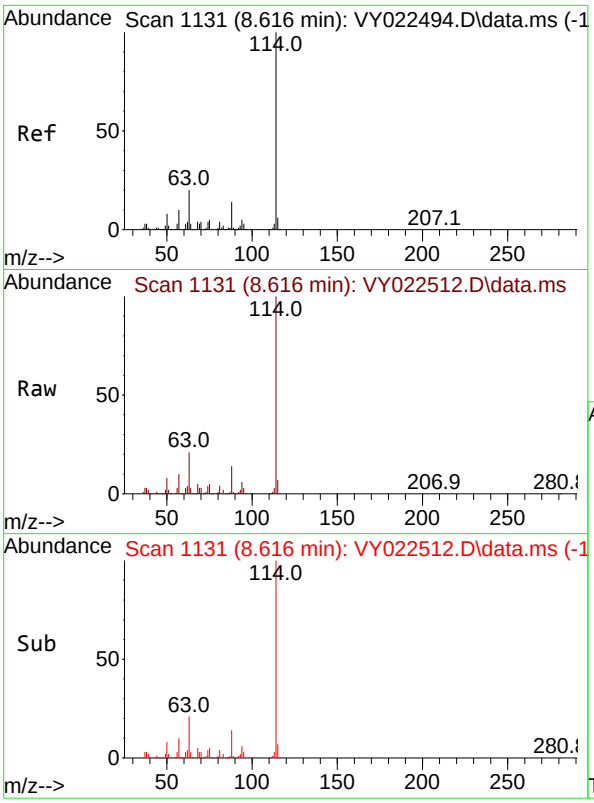


#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 65 Resp: 171949

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



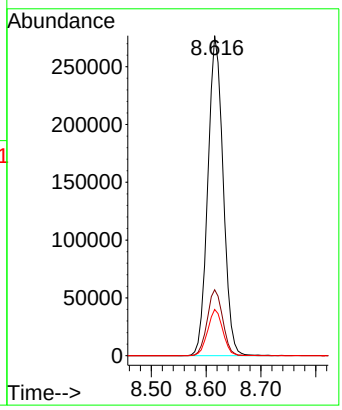


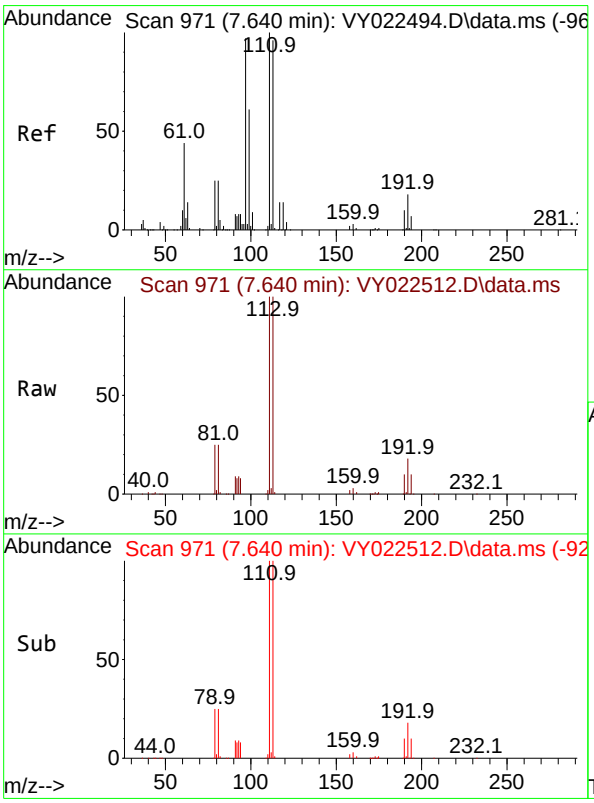
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:114 Resp: 534399

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8

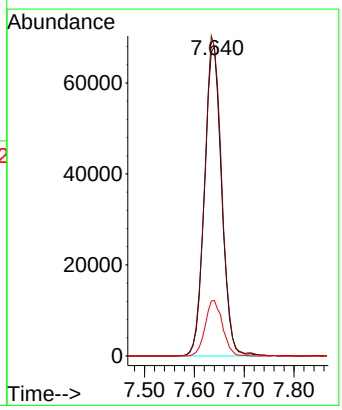


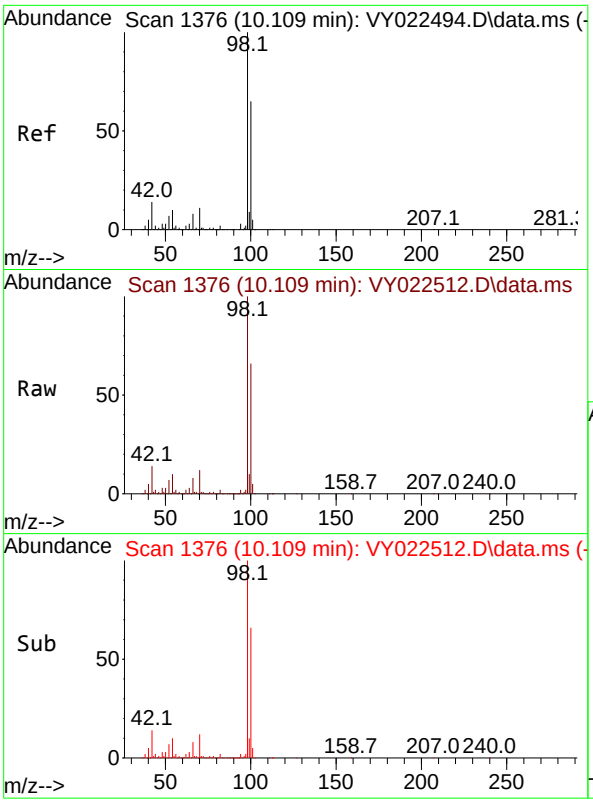


#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:113 Resp: 162497

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	18.1	14.2	21.2



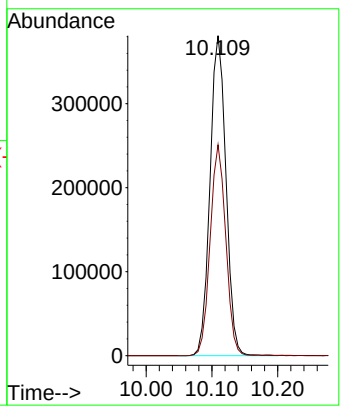


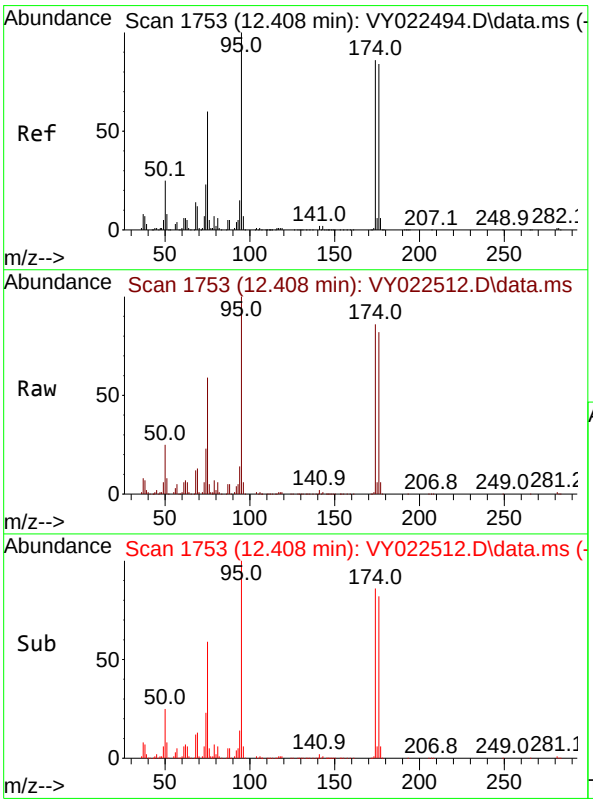
#50
Toluene-d8
Concen: 49.937 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion: 98 Resp: 643614

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

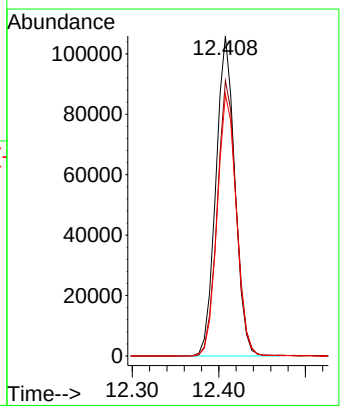


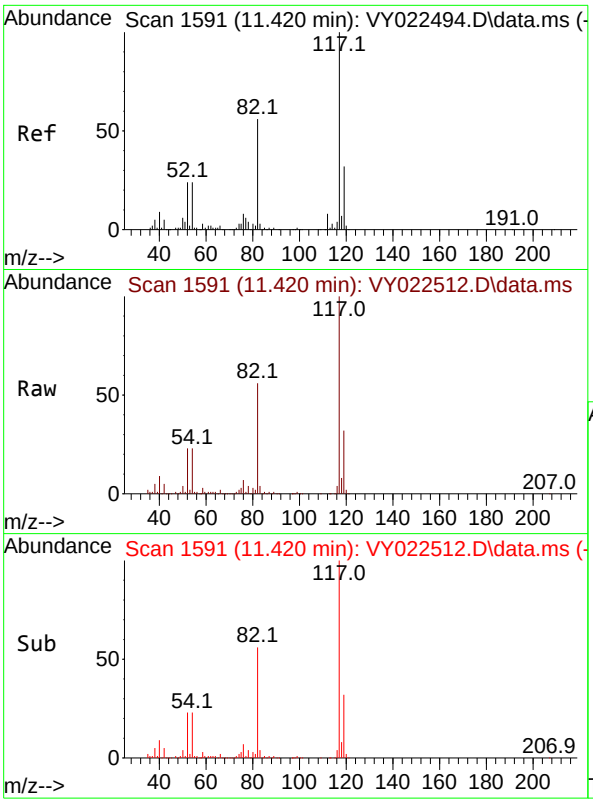


#62
4-Bromofluorobenzene
Concen: 41.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 95 Resp: 161263

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	170.0
176	82.5	0.0	166.2



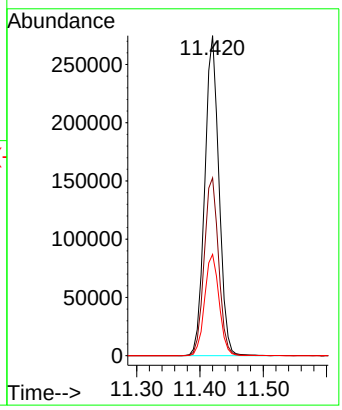


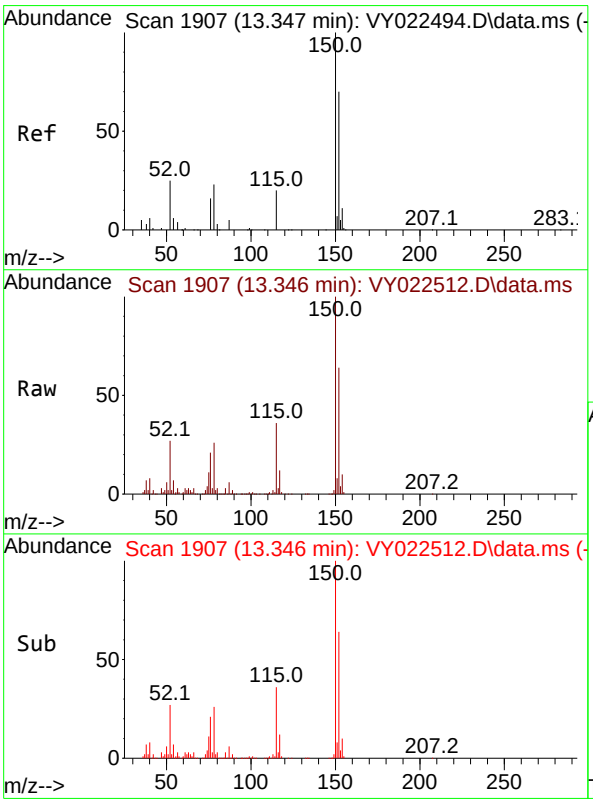
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:117 Resp: 428748

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.6	25.4	38.0

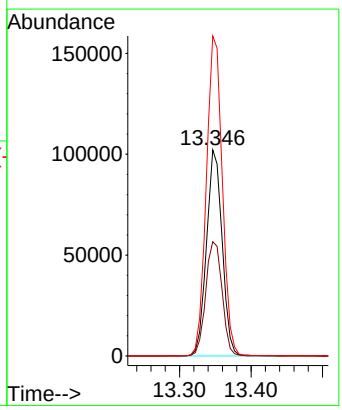




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:152 Resp: 155262

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	158.0	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV4	16308	35746	2.03%	0.419%
2	2.525	124	132	134	rBV6	11508	28540	1.62%	0.335%
3	4.616	465	475	487	rBV5	9205	28836	1.64%	0.338%
4	5.647	635	644	656	rVB5	6196	19866	1.13%	0.233%
5	7.634	960	970	976	rBV	231701	558773	31.74%	6.557%
6	7.713	976	983	993	rVB	392129	893359	50.75%	10.483%
7	8.067	1030	1041	1053	rBV	239523	514607	29.23%	6.039%
8	8.616	1122	1131	1143	rBV	658828	1278696	72.63%	15.005%
9	10.109	1367	1376	1385	rBV	1045962	1760453	100.00%	20.658%
10	11.420	1583	1591	1603	rBV	894137	1423227	80.84%	16.700%
11	12.408	1741	1753	1760	rBV	602384	930697	52.87%	10.921%
12	13.346	1901	1907	1916	rVB	672428	1031179	58.57%	12.100%
13	13.889	1990	1996	2003	rBV	11170	18100	1.03%	0.212%

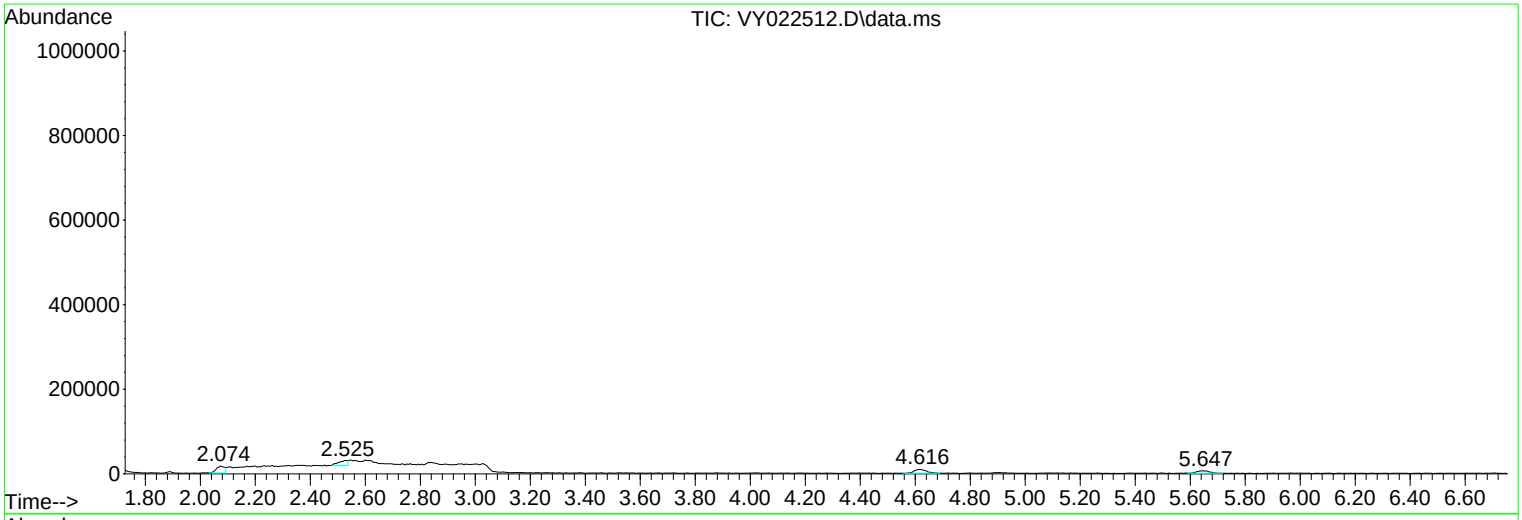
Sum of corrected areas: 8522079

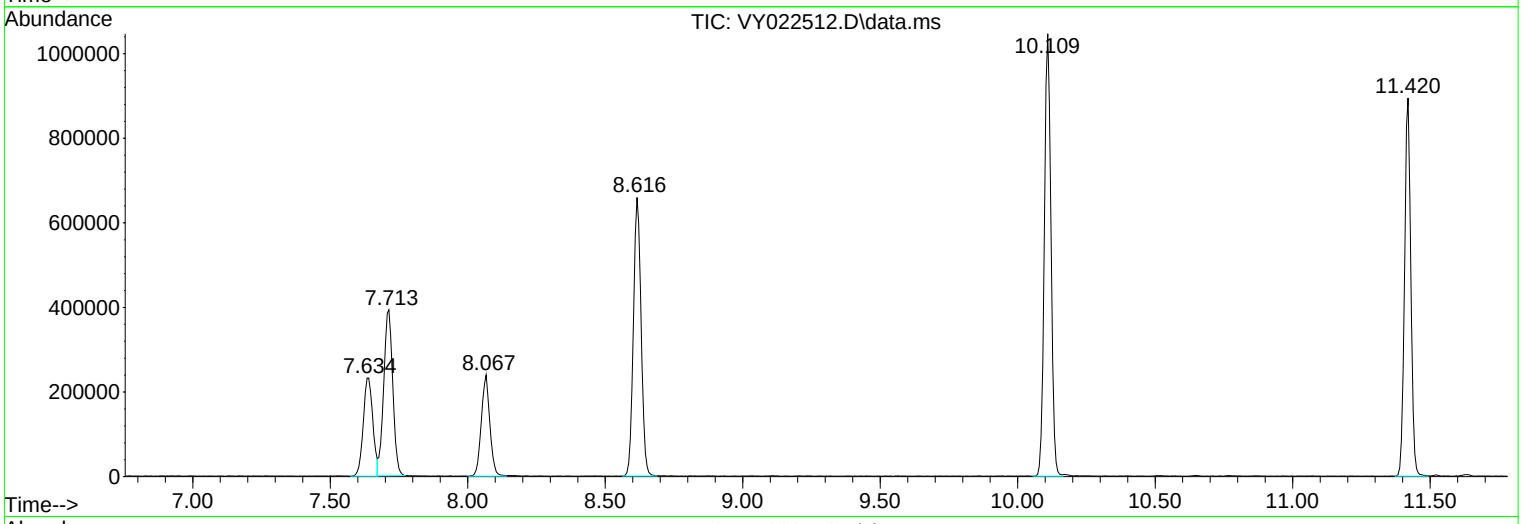
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

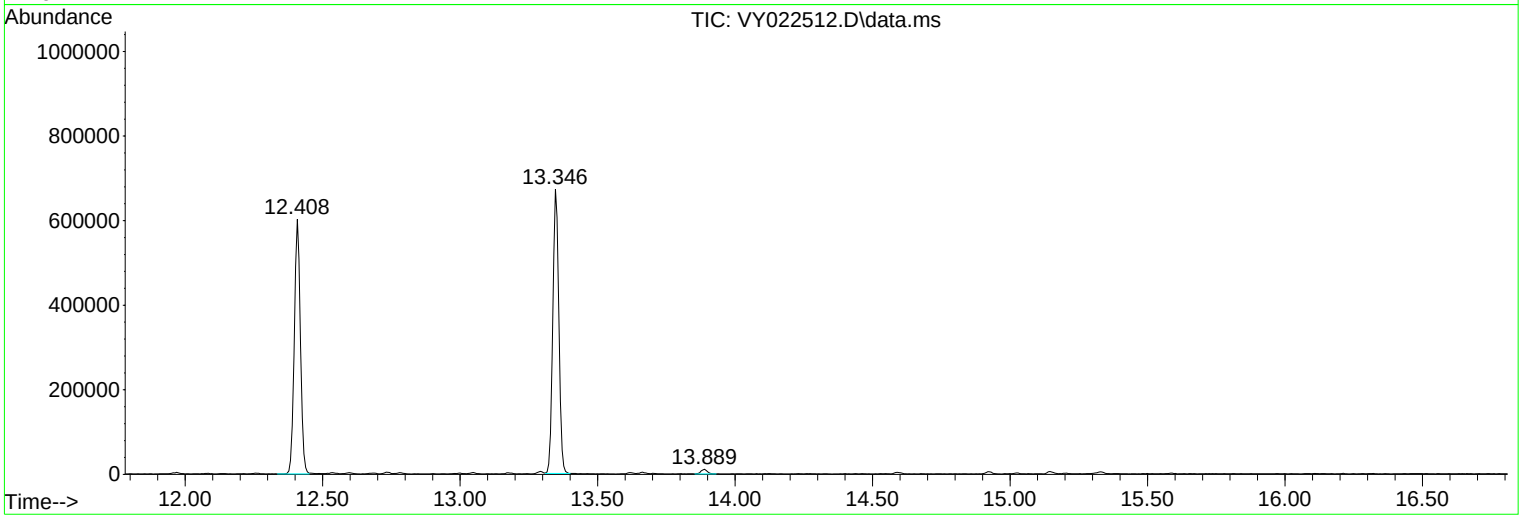
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159828	52.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.380%			
35) Dibromofluoromethane	7.634	113	150711	50.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.109	98	592665	49.327	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	149151	41.664	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.320%			

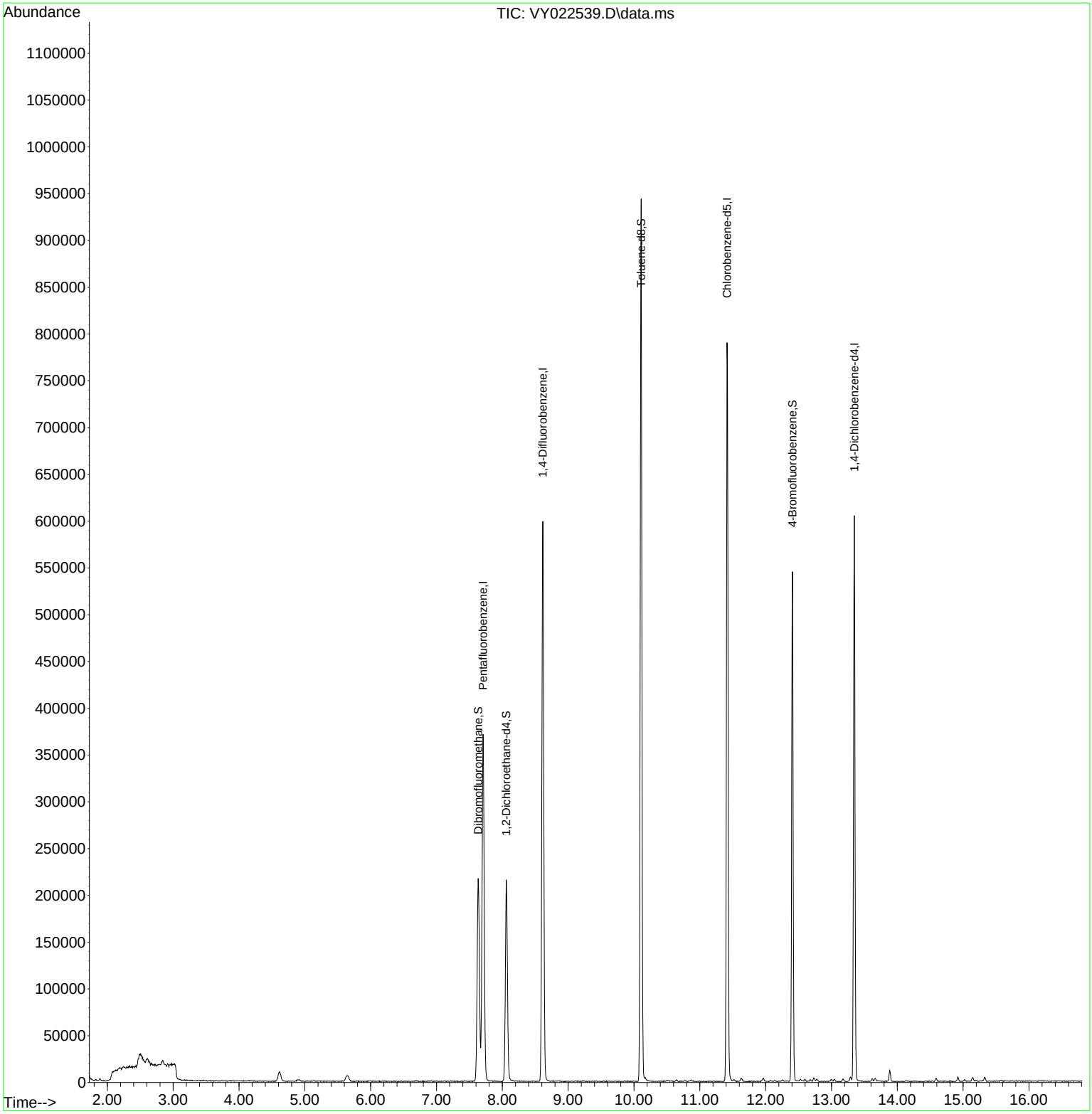
Target Compounds Qvalue

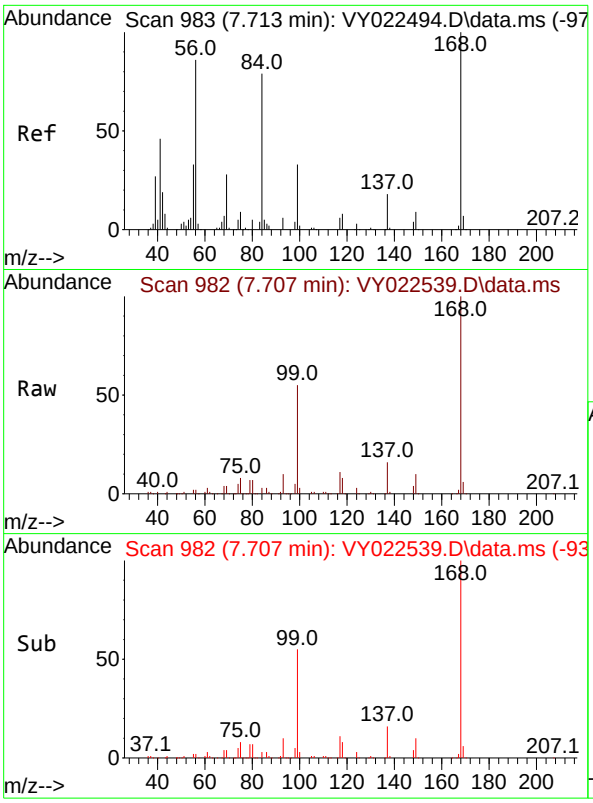
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



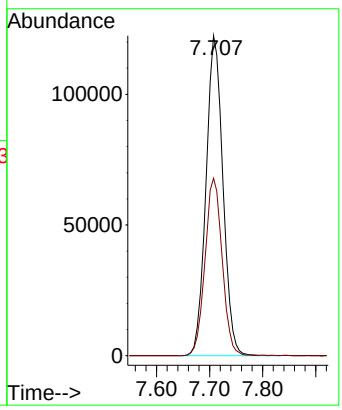


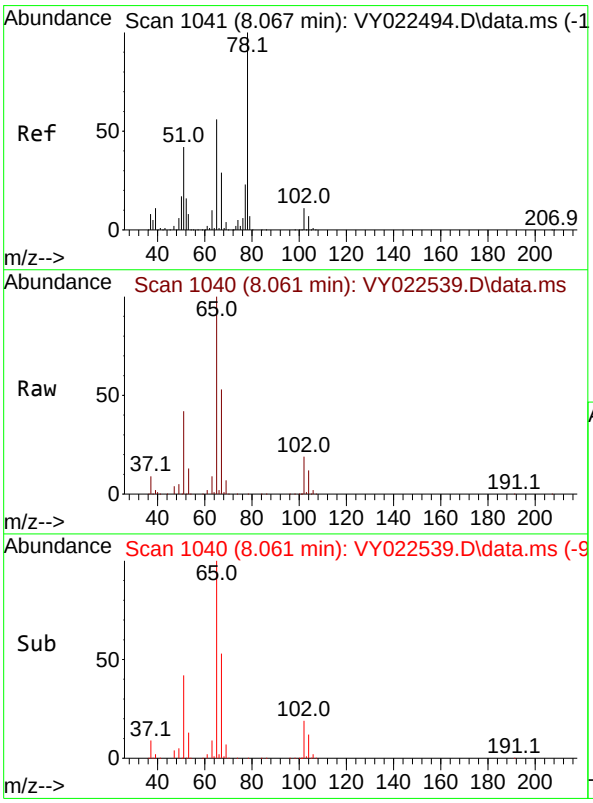
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:168 Resp: 271205

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

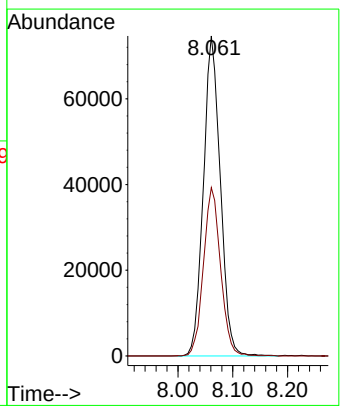


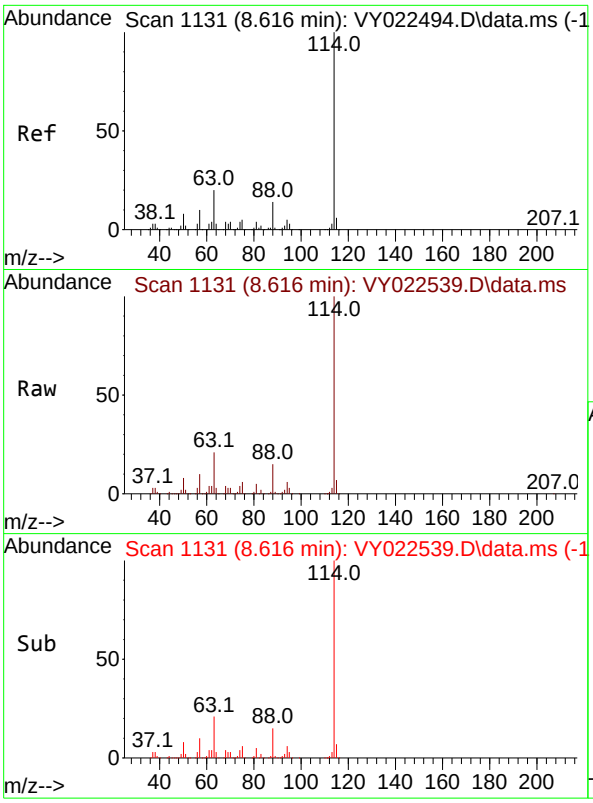


#33
1,2-Dichloroethane-d4
Concen: 52.692 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 65 Resp: 159828

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



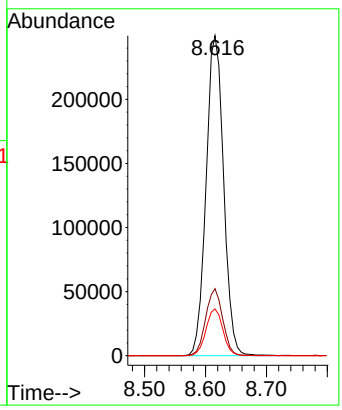


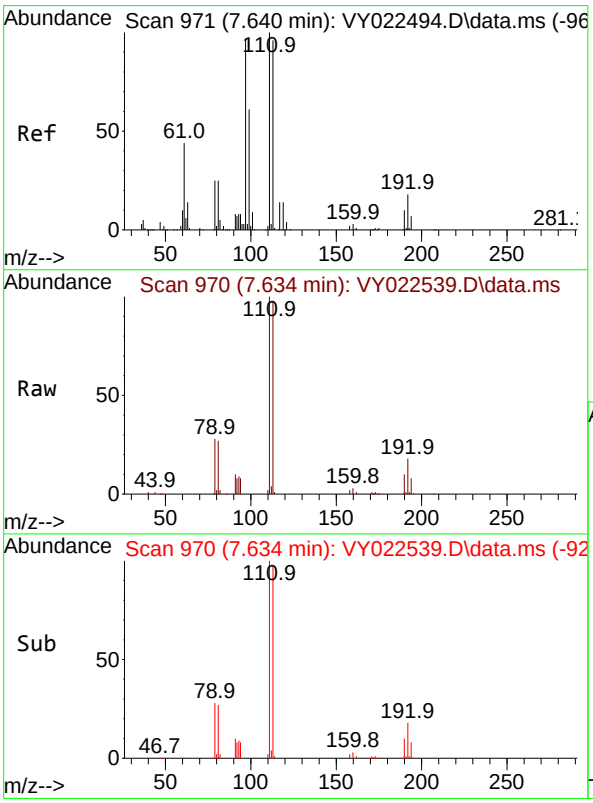
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:114 Resp: 498185

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.6	0.0	27.8

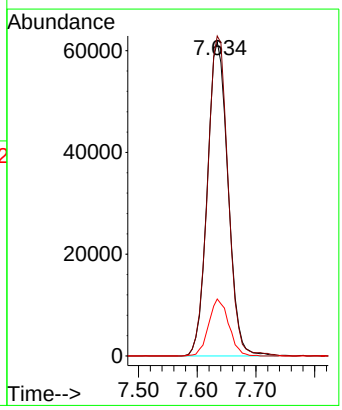


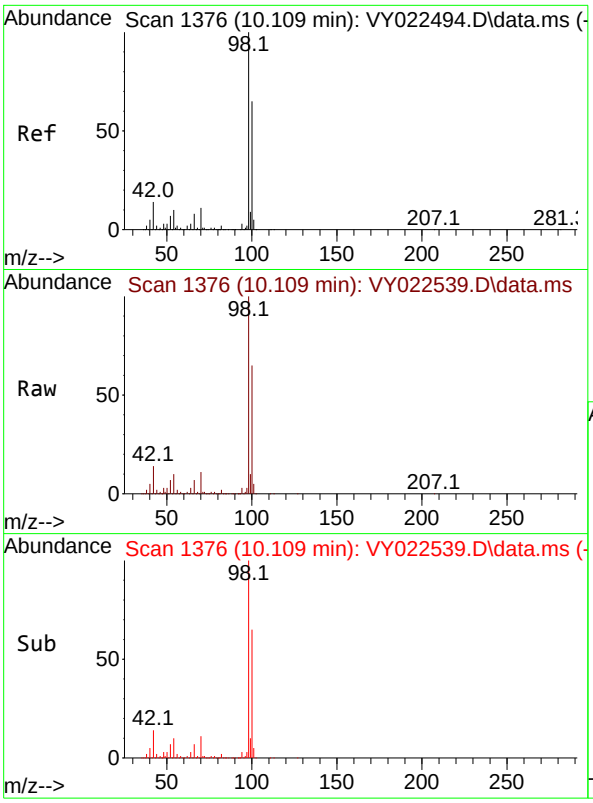


#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:113 Resp: 150711

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	17.7	14.2	21.2



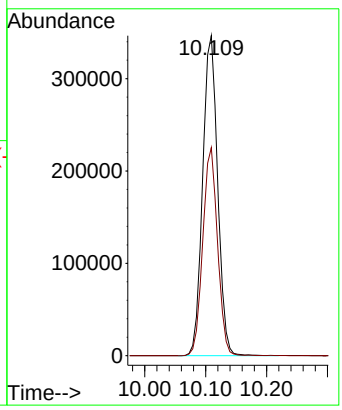


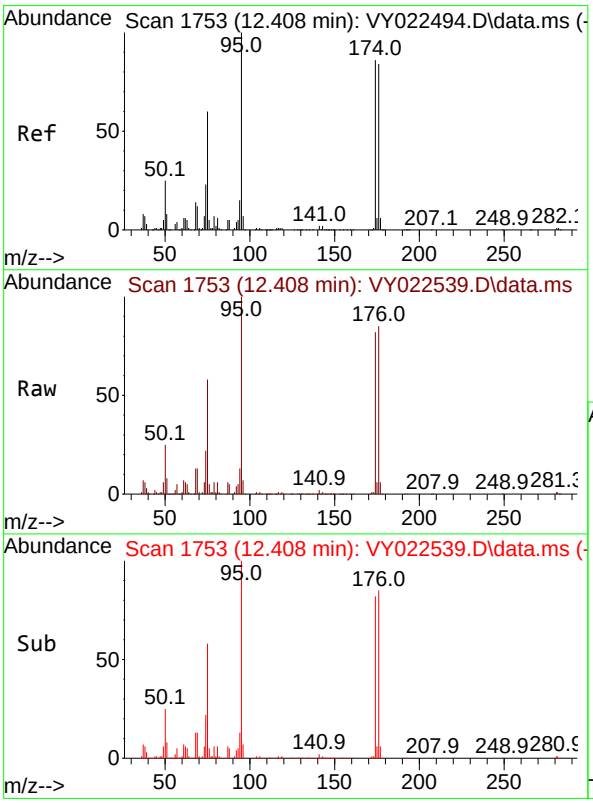
#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion: 98 Resp: 592665

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

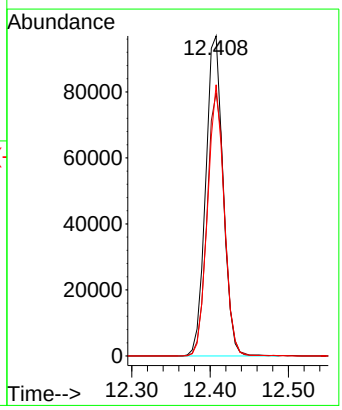


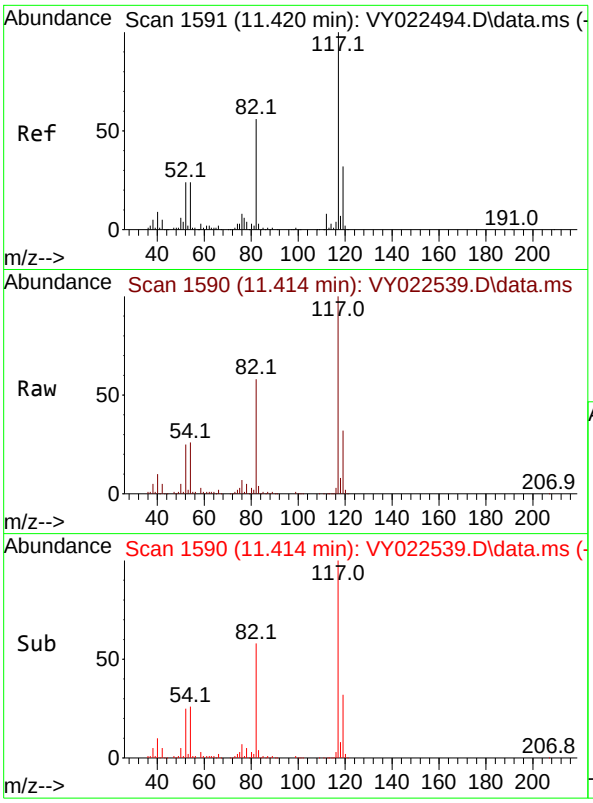


#62
4-Bromofluorobenzene
Concen: 41.664 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 95 Resp: 149151

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	170.0
176	80.6	0.0	166.2



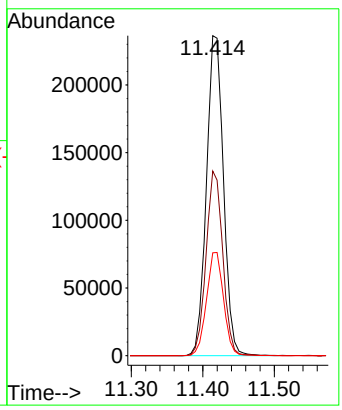


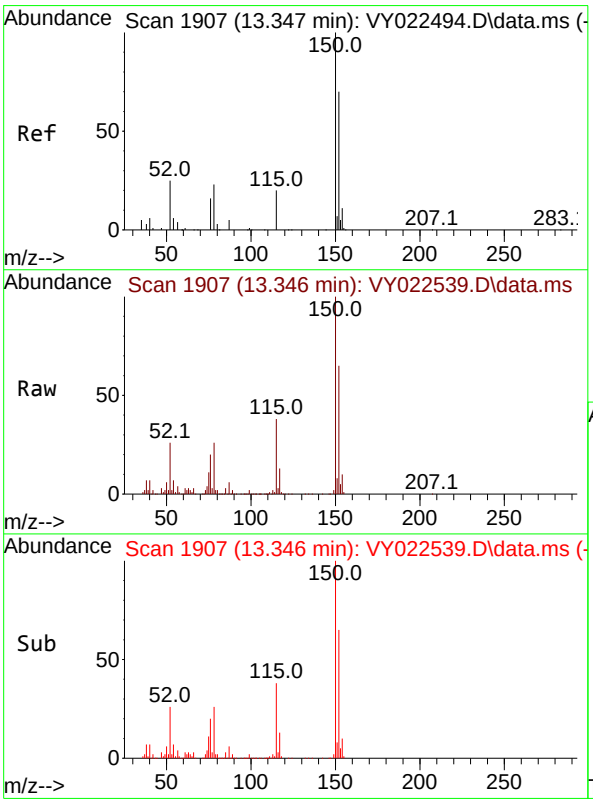
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:117 Resp: 390593

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.2	25.4	38.0

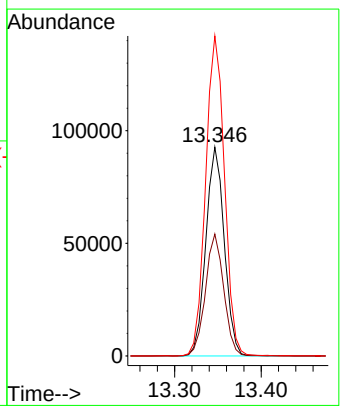




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:152 Resp: 137326

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.7
150	156.5	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022539.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	50	59	60	rBV3	8900	16705	1.03%	0.215%
2	4.610	464	474	486	rBV3	10253	32359	2.00%	0.416%
3	5.647	633	644	652	rBV6	6208	21172	1.31%	0.272%
4	7.634	959	970	976	rBV	216859	519690	32.09%	6.673%
5	7.707	976	982	995	rVB	370343	834319	51.51%	10.713%
6	8.061	1030	1040	1052	rBV	215799	474896	29.32%	6.098%
7	8.616	1122	1131	1150	rVB	598809	1189420	73.44%	15.273%
8	10.109	1367	1376	1385	rBV	943399	1619604	100.00%	20.797%
9	11.414	1583	1590	1603	rBV	789380	1299067	80.21%	16.681%
10	12.408	1745	1753	1764	rBV	544757	844373	52.13%	10.842%
11	13.346	1901	1907	1919	rVB	604325	917874	56.67%	11.786%
12	13.883	1990	1995	2001	rVB2	11753	18325	1.13%	0.235%

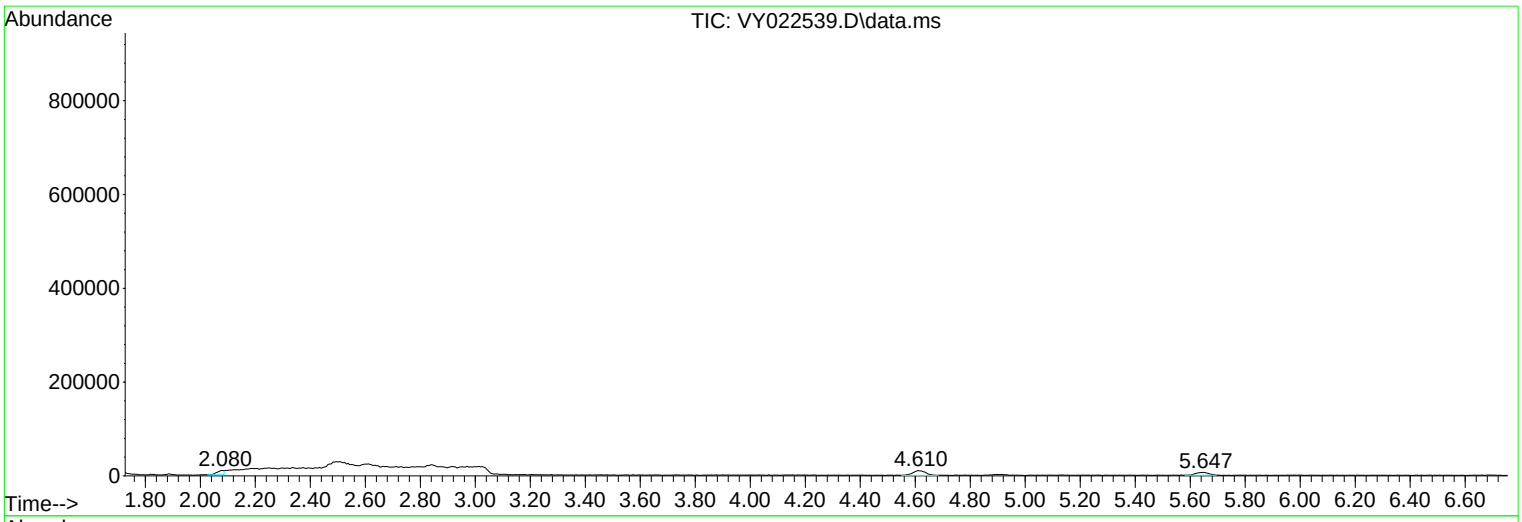
Sum of corrected areas: 7787804

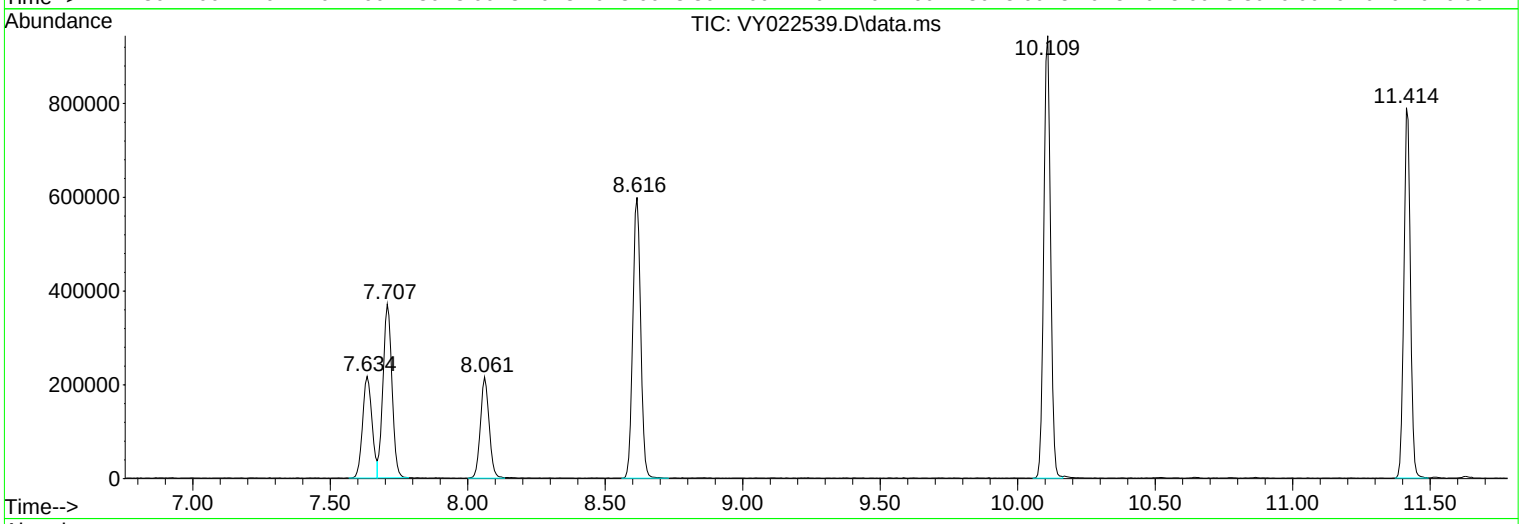
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

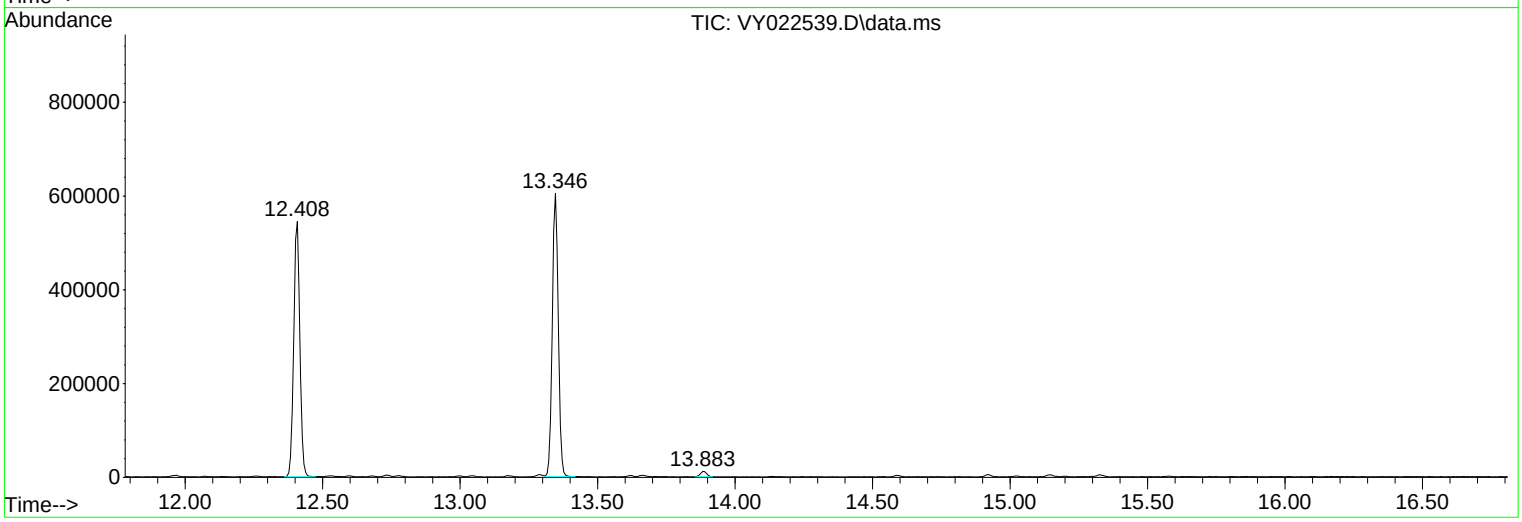
Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

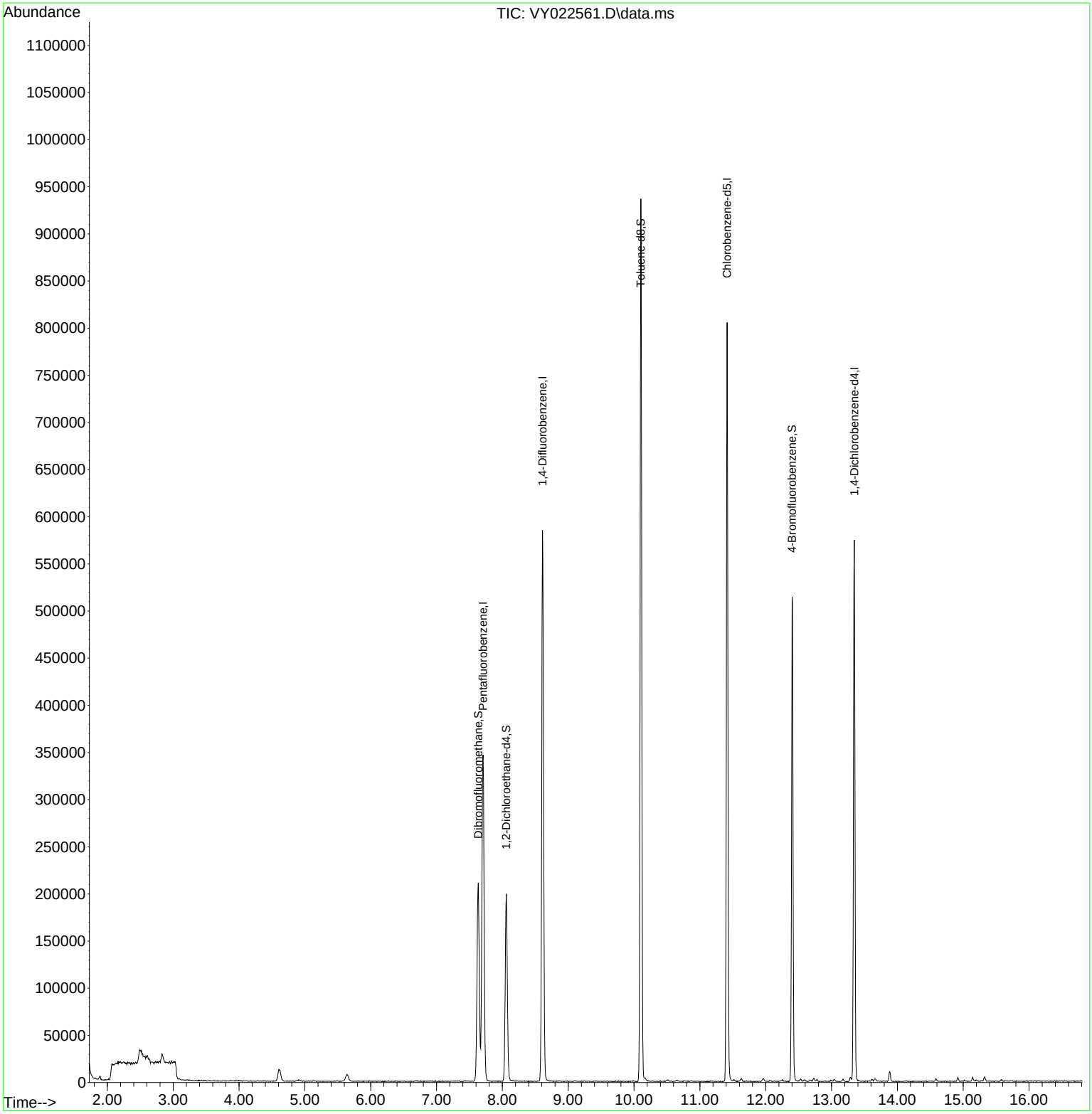
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	260317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	481555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	150403	51.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.634	113	144501	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.103	98	576294	49.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.401	95	140831	40.698	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.400%			
Target Compounds						Qvalue

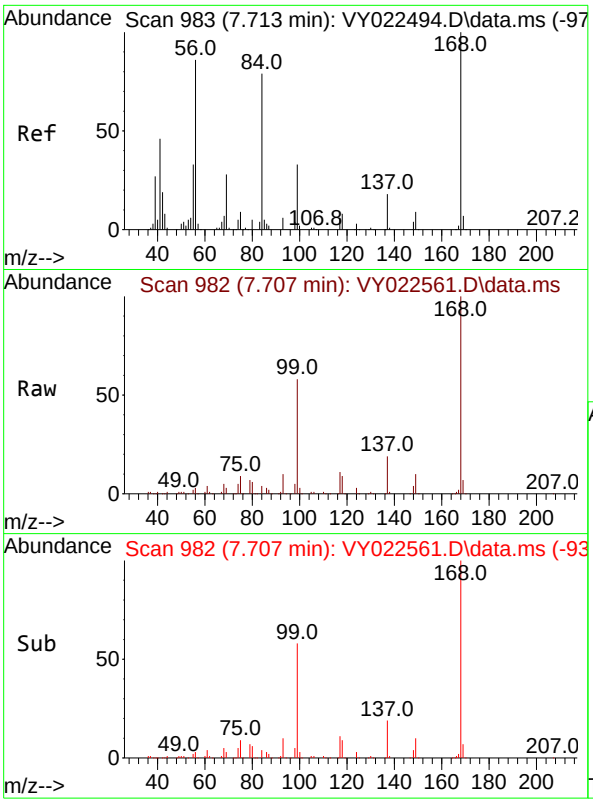
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



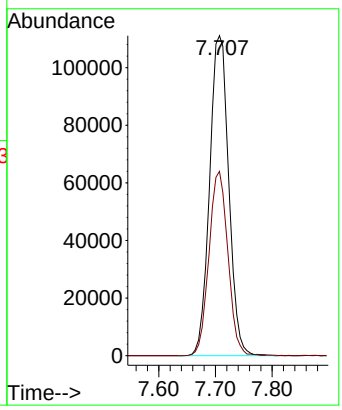


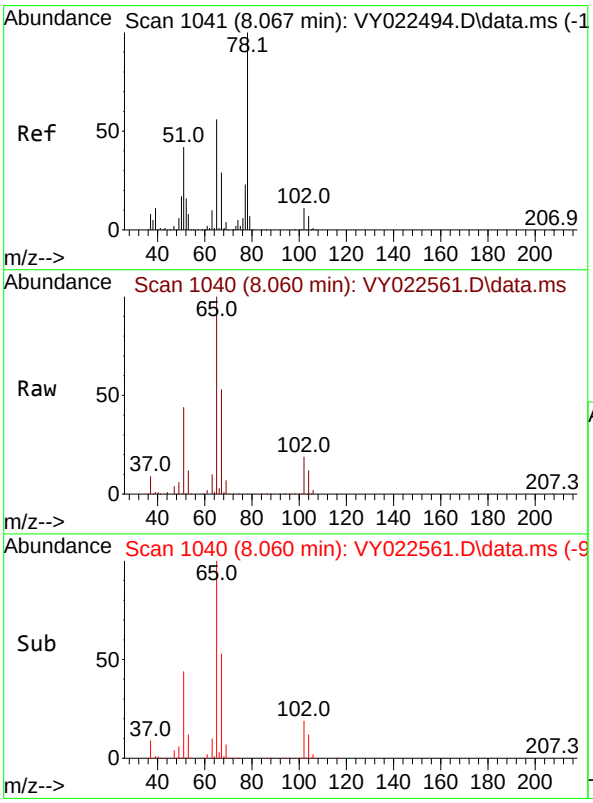
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:168 Resp: 260317

Ion	Ratio	Lower	Upper
168	100		
99	57.6	44.3	66.5

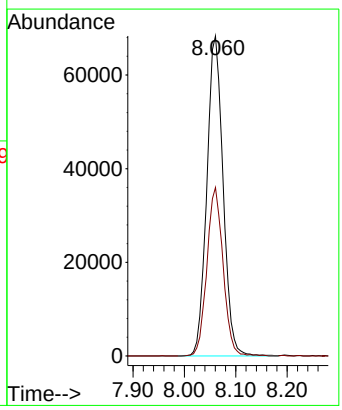


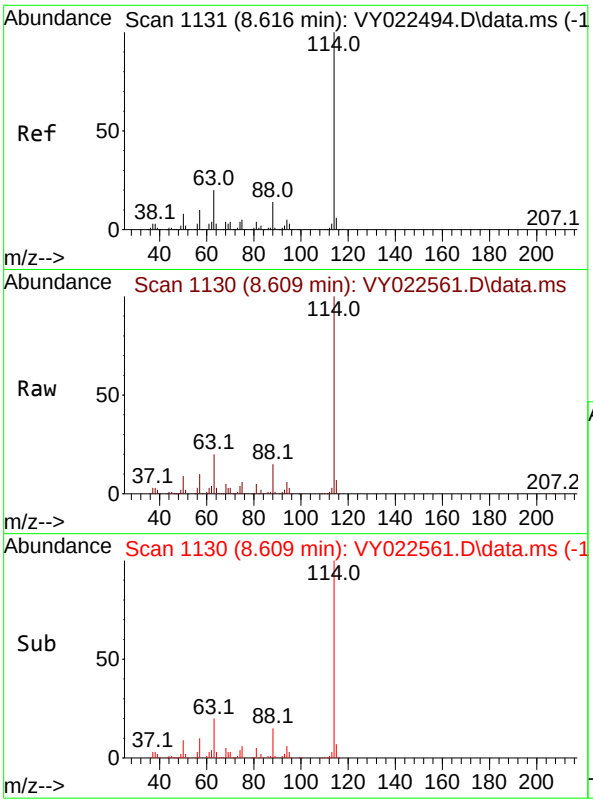


#33
1,2-Dichloroethane-d4
Concen: 51.658 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 65 Resp: 150403

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.4



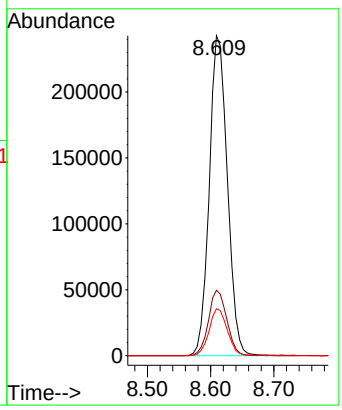


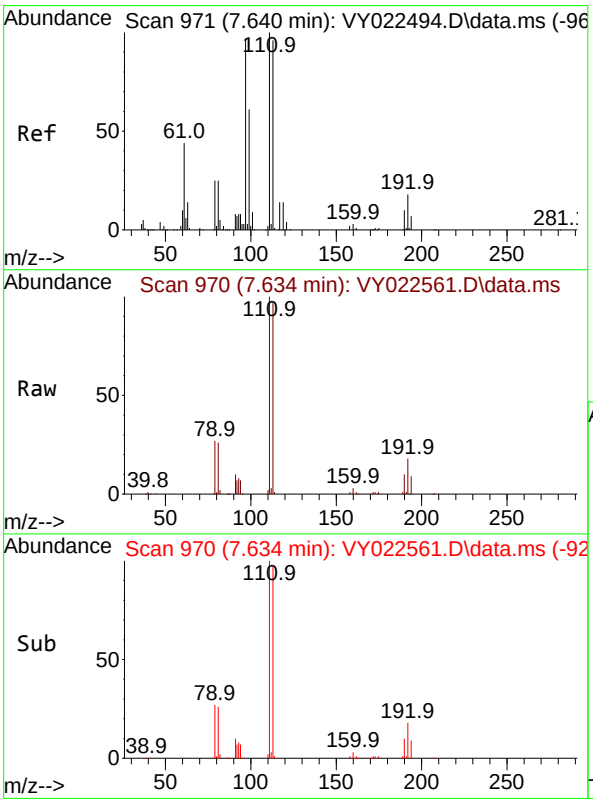
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:114 Resp: 481555

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.7	0.0	27.8

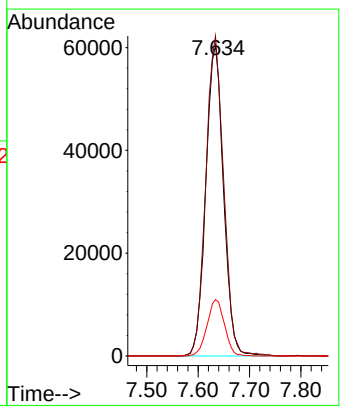


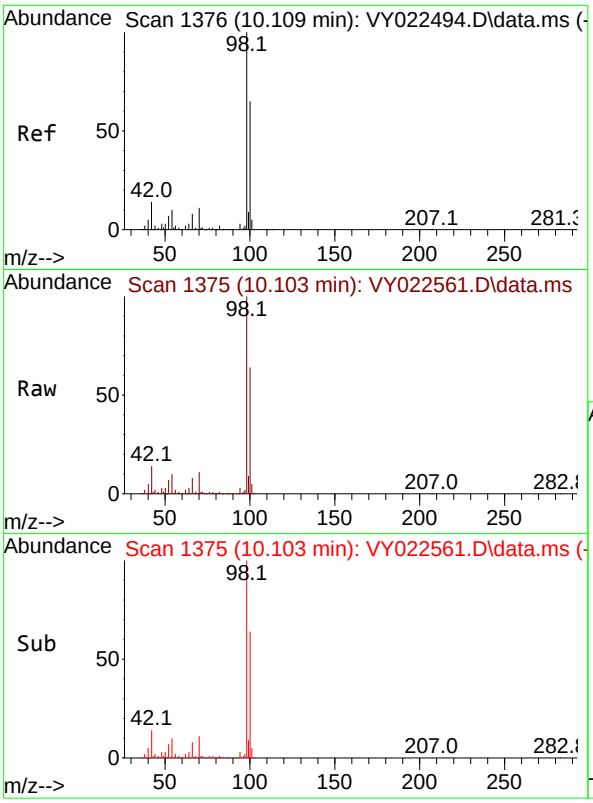


#35
Dibromofluoromethane
Concen: 50.273 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:113 Resp: 144501

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.9	14.2	21.2



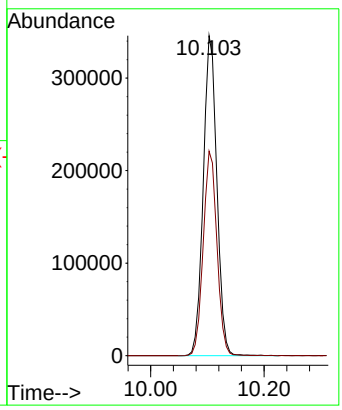


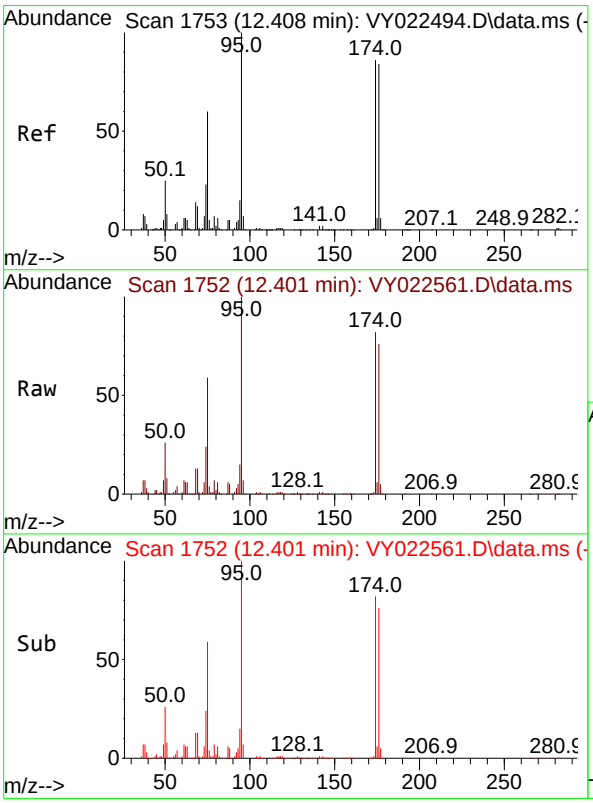
#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion: 98 Resp: 576294

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

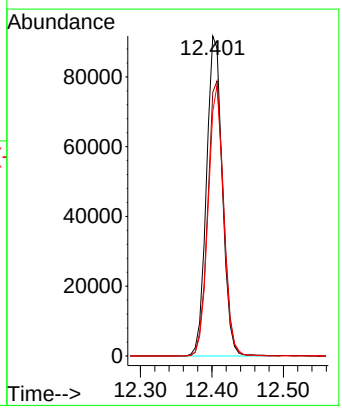


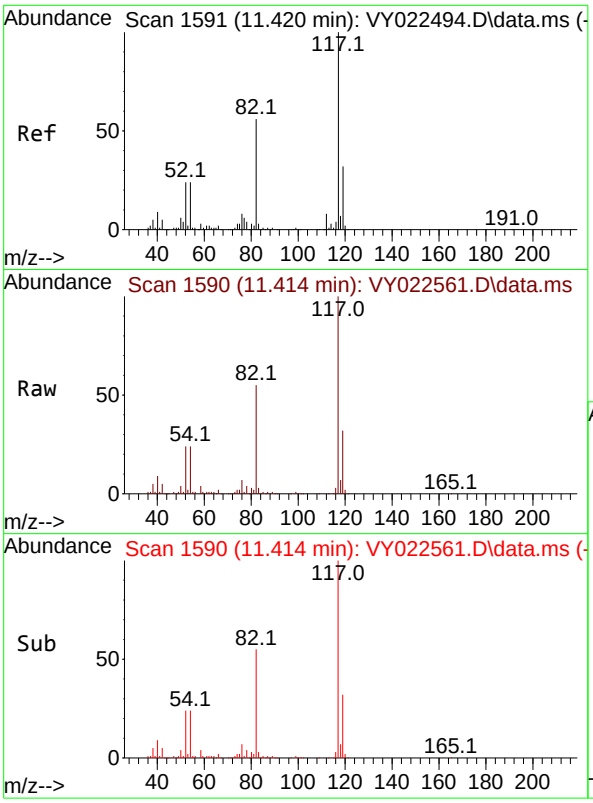


#62
4-Bromofluorobenzene
Concen: 40.698 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 95 Resp: 140831

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	170.0
176	82.7	0.0	166.2



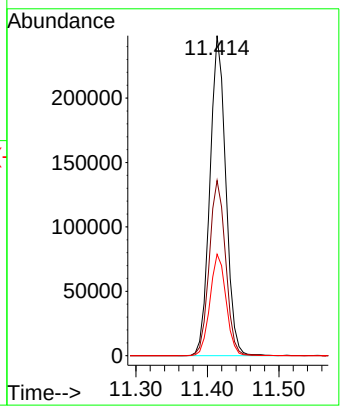


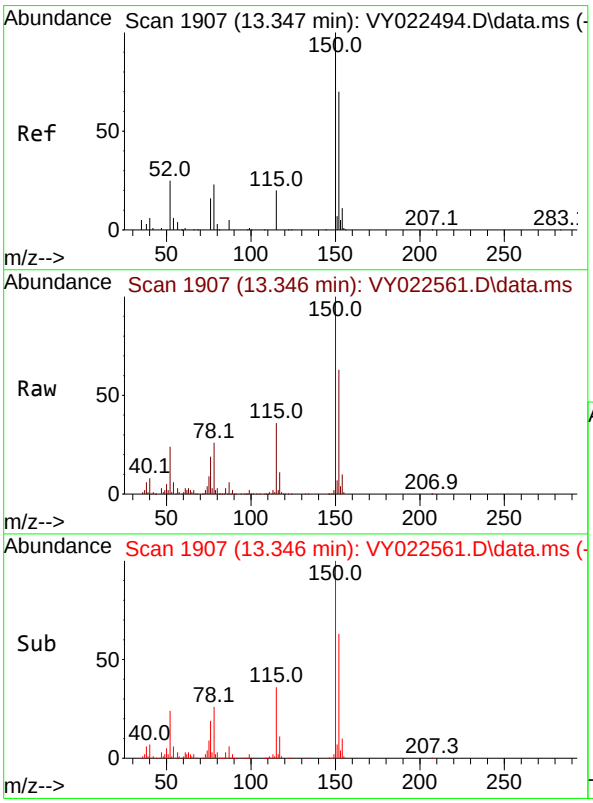
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:117 Resp: 383268

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	31.7	25.4	38.0

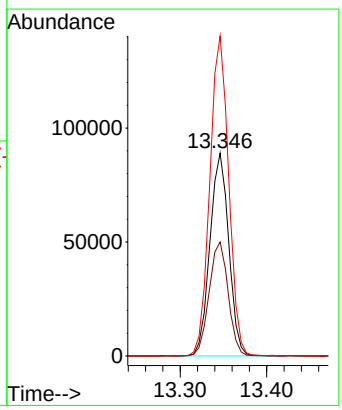




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:152 Resp: 134444

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.7
150	157.8	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022561.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	59	rBV	17257	31022	1.97%	0.408%
2	2.830	178	182	190	rVB7	9157	18591	1.18%	0.245%
3	4.604	465	473	488	rVB2	12680	39721	2.52%	0.523%
4	5.640	630	643	655	rVB5	7470	24716	1.57%	0.325%
5	7.634	958	970	976	rBV	210718	507968	32.20%	6.686%
6	7.707	976	982	1001	rVB	346227	805083	51.03%	10.596%
7	8.060	1030	1040	1052	rBV	198975	443774	28.13%	5.841%
8	8.609	1120	1130	1142	rBV	584428	1154841	73.20%	15.200%
9	10.103	1367	1375	1385	rBV	936357	1577717	100.00%	20.765%
10	11.414	1583	1590	1603	rBV	804473	1265723	80.22%	16.659%
11	12.401	1744	1752	1762	rBV	514154	817173	51.79%	10.755%
12	13.346	1900	1907	1917	rVB	573759	892925	56.60%	11.752%
13	13.883	1989	1995	2001	rBV2	10530	18622	1.18%	0.245%

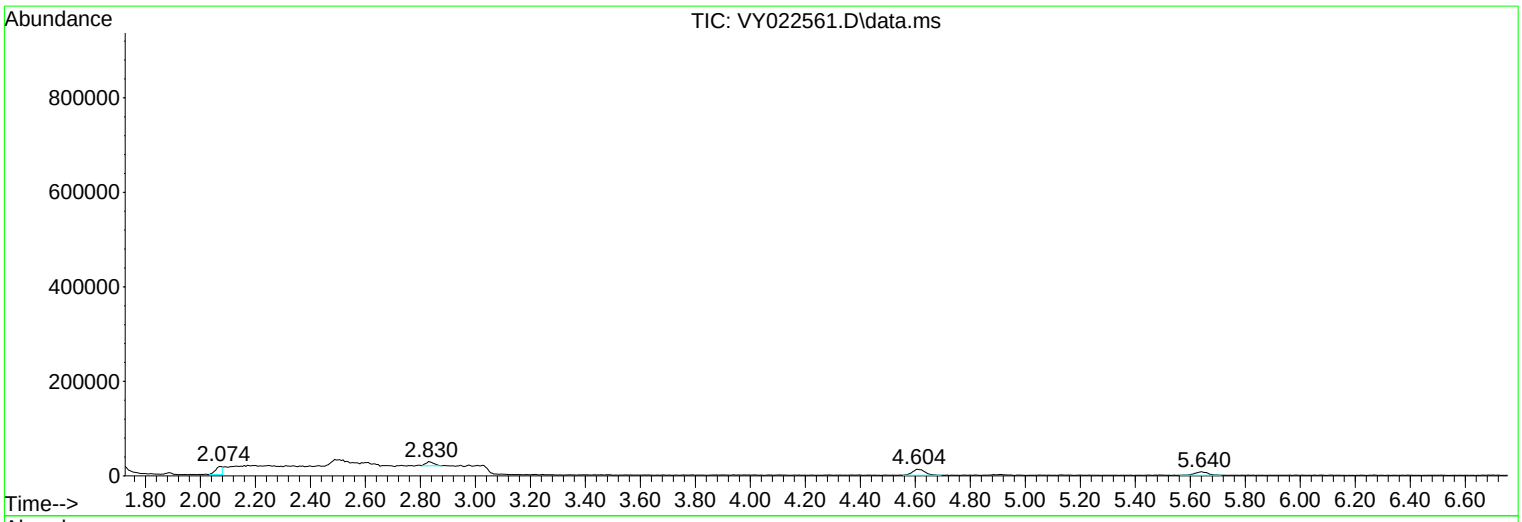
Sum of corrected areas: 7597876

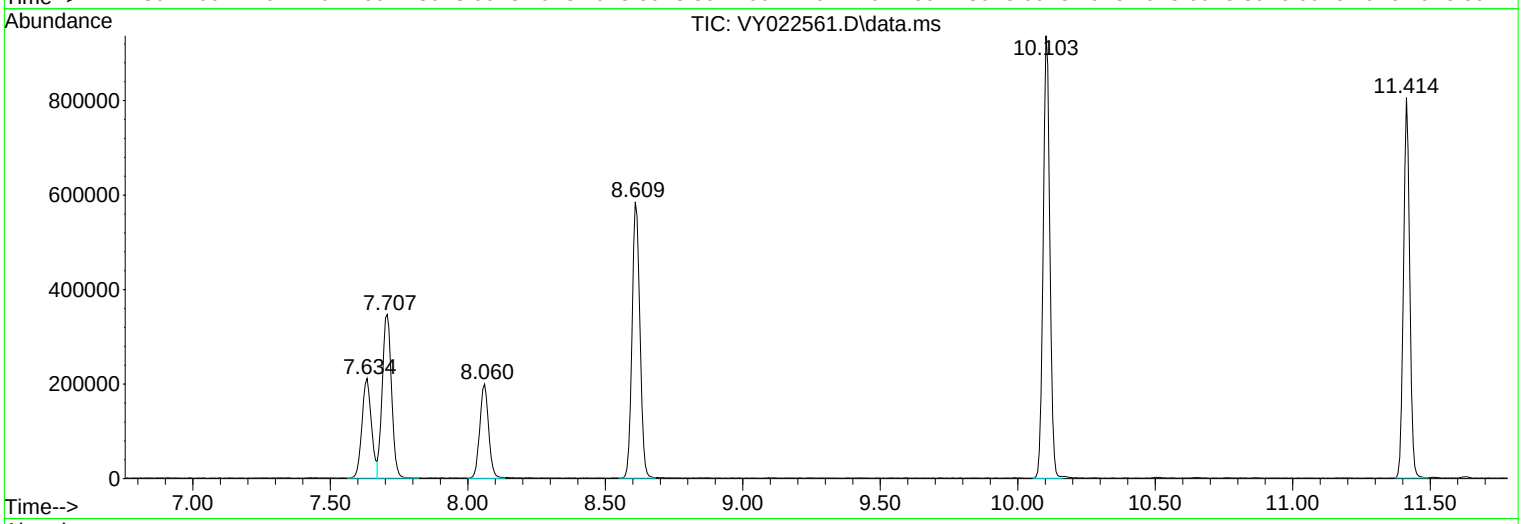
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

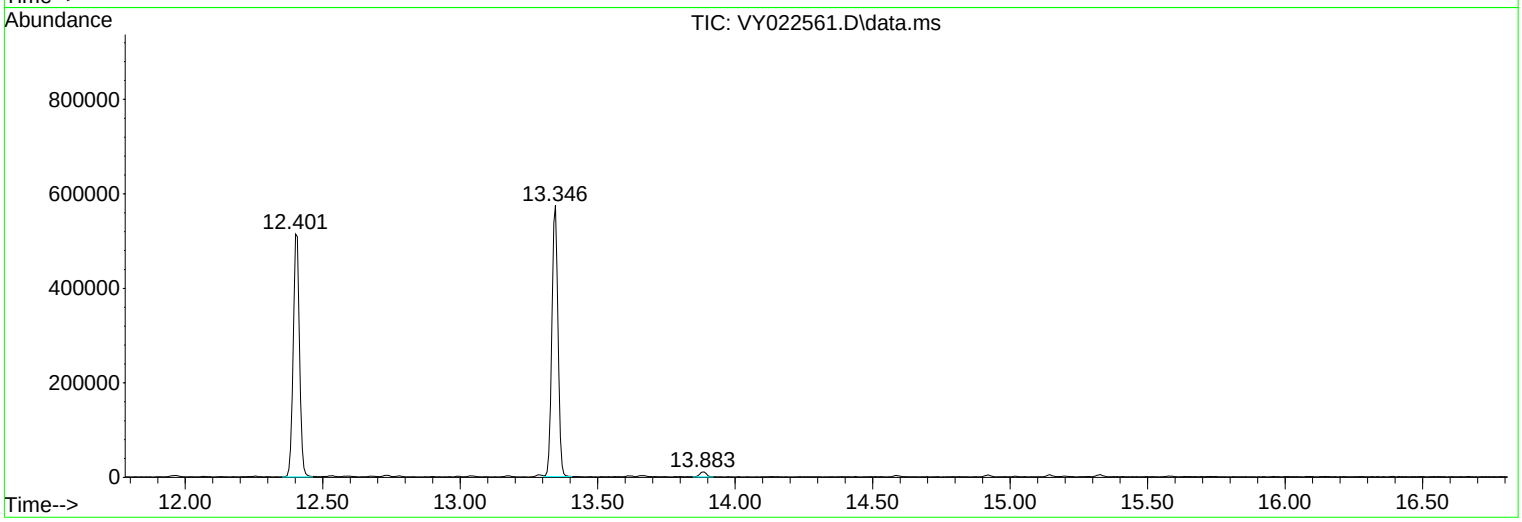
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	88536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81779	49.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.100%			
35) Dibromofluoromethane	5.379	113	56635	51.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.647	98	186909	49.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	11.079	95	72578	49.782	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23506	17.346	ug/l	98
3) Chloromethane	1.307	50	22102	16.819	ug/l	97
4) Vinyl Chloride	1.374	62	20532	16.788	ug/l	100
5) Bromomethane	1.599	94	9622	16.962	ug/l	95
6) Chloroethane	1.672	64	12240	18.747	ug/l	100
7) Trichlorofluoromethane	1.880	101	33475	18.520	ug/l	99
8) Diethyl Ether	2.136	74	11538	18.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20773	18.571	ug/l	96
10) Methyl Iodide	2.447	142	21976	16.603	ug/l	98
11) Tert butyl alcohol	2.971	59	24392	105.277	ug/l	99
12) 1,1-Dichloroethene	2.313	96	19219	18.307	ug/l	95
13) Acrolein	2.233	56	18773	71.147	ug/l	99
14) Allyl chloride	2.660	41	39924	19.898	ug/l	97
15) Acrylonitrile	3.062	53	69682	105.178	ug/l	99
16) Acetone	2.380	43	68714	103.827	ug/l	98
17) Carbon Disulfide	2.508	76	35508	14.267	ug/l	98
18) Methyl Acetate	2.703	43	40636	26.460	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74489	20.238	ug/l	100
20) Methylene Chloride	2.788	84	22771	17.955	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	18972	17.970	ug/l	98
22) Diisopropyl ether	3.757	45	80074	20.661	ug/l	92
23) Vinyl Acetate	3.721	43	329548	96.677	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43497	20.150	ug/l	97
25) 2-Butanone	4.556	43	102193	106.362	ug/l	100
26) 2,2-Dichloropropane	4.465	77	33061	19.568	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24850	19.552	ug/l	99
28) Bromochloromethane	4.897	49	24218	23.308	ug/l	97
29) Tetrahydrofuran	5.001	42	61963	102.917	ug/l	99
30) Chloroform	5.086	83	46046	20.465	ug/l	98
31) Cyclohexane	5.464	56	34651	17.615	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39441	20.222	ug/l	99
36) 1,1-Dichloropropene	5.690	75	28111	19.052	ug/l	98
37) Ethyl Acetate	4.715	43	34443	18.894	ug/l	99
38) Carbon Tetrachloride	5.666	117	32524	19.619	ug/l	99
39) Methylcyclohexane	7.373	83	32861	17.300	ug/l	95
40) Benzene	6.031	78	85438	19.769	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20917	21.935	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38577	20.682	ug/l		99
43) Isopropyl Acetate	6.342	43	58295	20.962	ug/l		99
44) Trichloroethene	7.123	130	19980	19.209	ug/l		90
45) 1,2-Dichloropropane	7.427	63	22983	21.387	ug/l		100
46) Dibromomethane	7.580	93	17464	20.605	ug/l		99
47) Bromodichloromethane	7.818	83	35845	21.473	ug/l		96
48) Methyl methacrylate	7.690	41	29517	20.783	ug/l		98
49) 1,4-Dioxane	7.659	88	11669	432.714	ug/l		96
51) 4-Methyl-2-Pentanone	8.568	43	202459	109.676	ug/l		98
52) Toluene	8.714	92	52805	19.926	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	29318	19.759	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	33195	20.241	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	22250	21.294	ug/l		94
56) Ethyl methacrylate	9.116	69	34831	20.915	ug/l		98
57) 1,3-Dichloropropane	9.305	76	38891	20.724	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	93203	109.776	ug/l		99
59) 2-Hexanone	9.427	43	148658	108.850	ug/l		100
60) Dibromochloromethane	9.519	129	24578	21.418	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22104	20.353	ug/l		99
64) Tetrachloroethene	9.269	164	18215	19.346	ug/l		97
65) Chlorobenzene	10.073	112	57059	19.590	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20532	20.644	ug/l		98
67) Ethyl Benzene	10.189	91	101823	19.832	ug/l		100
68) m/p-Xylenes	10.299	106	74323	39.580	ug/l		97
69) o-Xylene	10.640	106	37109	20.271	ug/l		97
70) Styrene	10.653	104	62853	20.959	ug/l		99
71) Bromoform	10.799	173	15441	20.679	ug/l	#	98
73) Isopropylbenzene	10.957	105	101234	20.645	ug/l		100
74) N-amyl acetate	10.842	43	48849	20.160	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35209	20.490	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	30830m	20.335	ug/l		
77) Bromobenzene	11.195	156	22658	19.903	ug/l		97
78) n-propylbenzene	11.299	91	115685	20.290	ug/l		100
79) 2-Chlorotoluene	11.360	91	72338	19.670	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	83916	20.484	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9016	19.361	ug/l		95
82) 4-Chlorotoluene	11.451	91	83537	20.483	ug/l		100
83) tert-Butylbenzene	11.713	119	84788	20.548	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82965	19.999	ug/l		98
85) sec-Butylbenzene	11.890	105	104197	20.566	ug/l		99
86) p-Isopropyltoluene	12.006	119	84743	20.263	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41522	19.985	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41955	19.773	ug/l		98
89) n-Butylbenzene	12.329	91	72058	19.643	ug/l		100
90) Hexachloroethane	12.536	117	14875	20.189	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42513	20.391	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8304	21.814	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	22410	18.714	ug/l		97
94) Hexachlorobutadiene	13.719	225	10496	20.069	ug/l		98
95) Naphthalene	13.774	128	86022	19.586	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25111	20.323	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

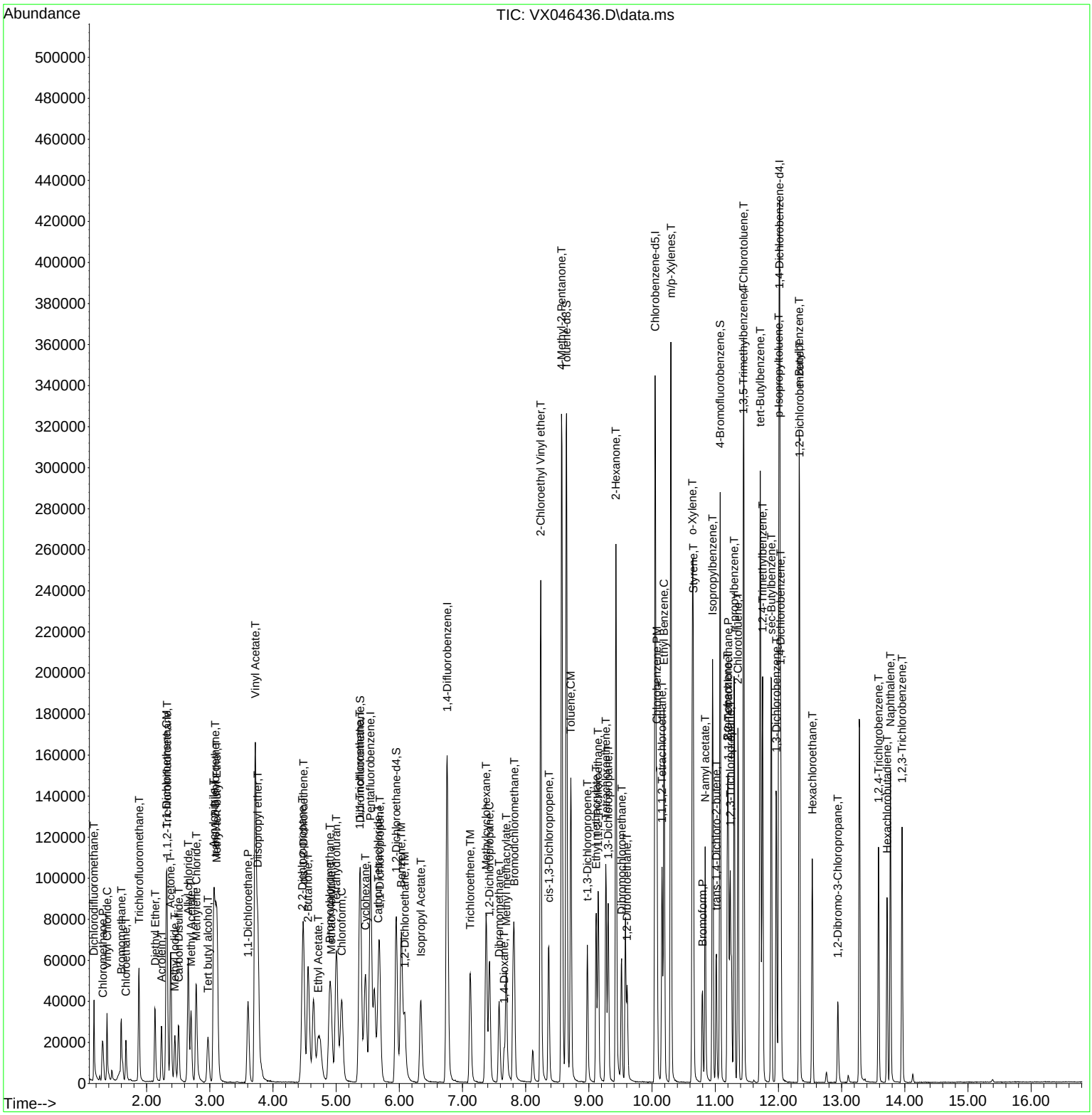
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.940%			
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.040%			
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15933	18.701	ug/l		96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l		99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l	#	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l		95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l		99
46) Dibromomethane	9.231	93	24877	19.368	ug/l		97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l		95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l		96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l	#	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l		100
52) Toluene	10.170	92	122301	20.145	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l		95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l		99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l		99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l		99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l		95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l		99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l		99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l		99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l		99
69) o-Xylene	11.956	106	83043	20.025	ug/l		99
70) Styrene	11.969	104	136395	19.898	ug/l		99
71) Bromoform	12.133	173	21024	18.644	ug/l	#	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l		100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l		
77) Bromobenzene	12.529	156	44250	19.355	ug/l		95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l		100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l		92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l		100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l		100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l		100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l		100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l		100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l		97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l		99
95) Naphthalene	15.145	128	74961	18.211	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

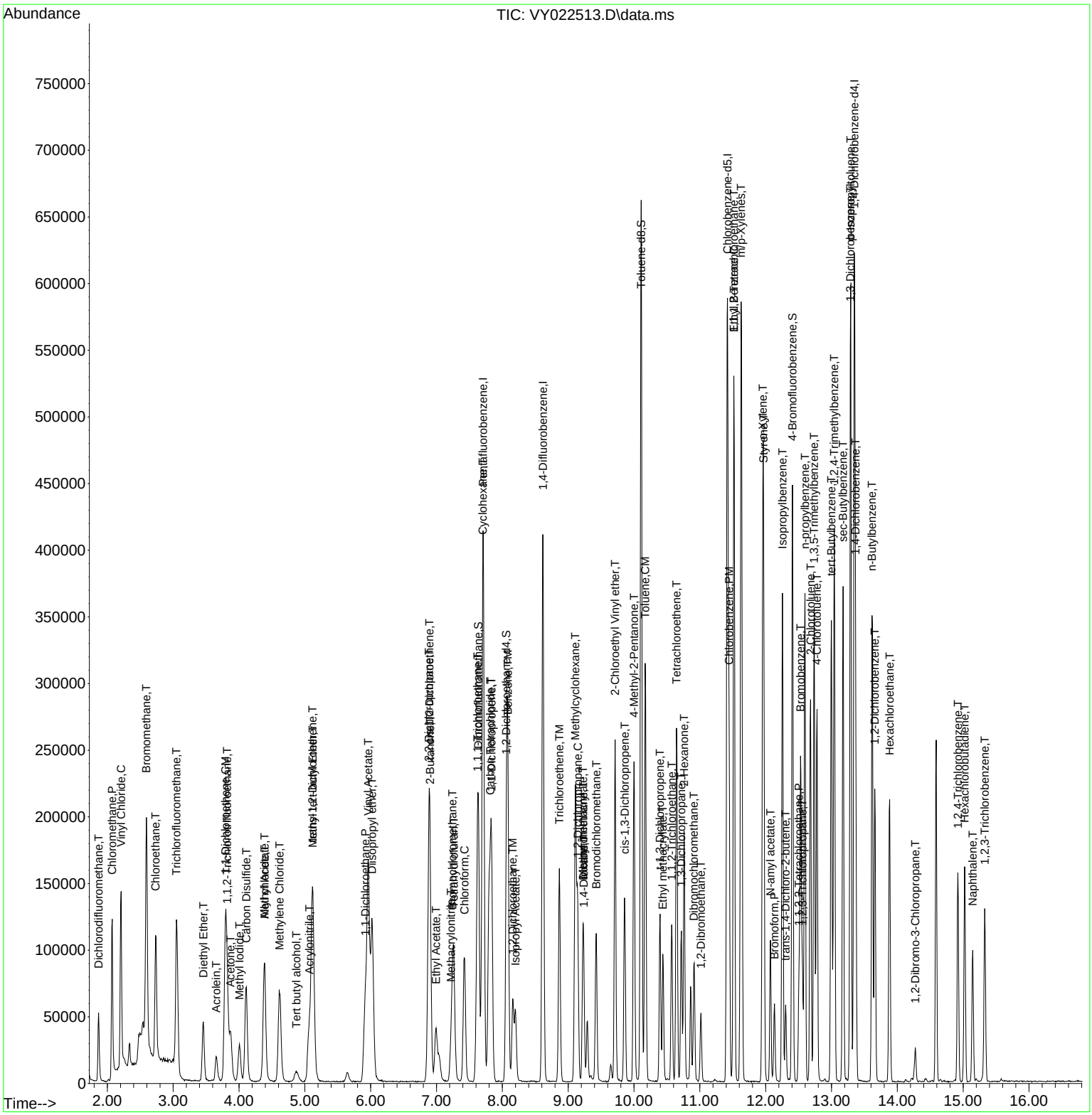
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	177182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	119650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106897	53.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.880%			
35) Dibromofluoromethane	7.634	113	97744	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	395544	53.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.402	95	114746	51.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35026	22.080	ug/l	90
3) Chloromethane	2.068	50	88146	18.809	ug/l	100
4) Vinyl Chloride	2.202	62	119787	22.034	ug/l	96
5) Bromomethane	2.592	94	110721	21.249	ug/l	98
6) Chloroethane	2.733	64	84104	22.539	ug/l	92
7) Trichlorofluoromethane	3.044	101	108660	23.544	ug/l	94
8) Diethyl Ether	3.452	74	22203	21.362	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39953	20.554	ug/l	100
10) Methyl Iodide	4.001	142	37260	17.713	ug/l	98
11) Tert butyl alcohol	4.860	59	14189	100.248	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	39181	21.087	ug/l	98
13) Acrolein	3.653	56	18621	105.565	ug/l	99
14) Allyl chloride	4.379	41	59207	20.298	ug/l	100
15) Acrylonitrile	5.055	53	44556	101.220	ug/l	98
16) Acetone	3.867	43	35077	87.158	ug/l	94
17) Carbon Disulfide	4.104	76	121952	20.501	ug/l	99
18) Methyl Acetate	4.379	43	23786	19.959	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105462	20.152	ug/l	100
20) Methylene Chloride	4.610	84	43768	19.146	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	42985	20.671	ug/l	95
22) Diisopropyl ether	6.019	45	135749	20.908	ug/l	98
23) Vinyl Acetate	5.958	43	382202	99.458	ug/l	99
24) 1,1-Dichloroethane	5.915	63	80929	21.158	ug/l	99
25) 2-Butanone	6.896	43	54351	93.626	ug/l	100
26) 2,2-Dichloropropane	6.884	77	68446	20.253	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	50930	21.189	ug/l	100
28) Bromochloromethane	7.244	49	34936	20.953	ug/l	99
29) Tetrahydrofuran	7.262	42	36518	97.534	ug/l	98
30) Chloroform	7.415	83	79864	21.080	ug/l	95
31) Cyclohexane	7.701	56	74481	19.559	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	71144	21.154	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60956	20.487	ug/l	99
37) Ethyl Acetate	6.982	43	26561	20.018	ug/l	100
38) Carbon Tetrachloride	7.817	117	61082	20.012	ug/l	95
39) Methylcyclohexane	9.110	83	79839	19.967	ug/l	96
40) Benzene	8.079	78	182569	20.775	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	18097m	23.350	ug/l		
42) 1,2-Dichloroethane	8.152	62	48113	20.051	ug/l		99
43) Isopropyl Acetate	8.195	43	54608	19.056	ug/l		99
44) Trichloroethene	8.866	130	43493	20.250	ug/l		100
45) 1,2-Dichloropropane	9.140	63	43797	21.087	ug/l		99
46) Dibromomethane	9.231	93	23454	20.073	ug/l		98
47) Bromodichloromethane	9.420	83	61994	20.924	ug/l		97
48) Methyl methacrylate	9.219	41	25682	19.095	ug/l		99
49) 1,4-Dioxane	9.231	88	5502	397.467	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.000	43	133612	93.517	ug/l		98
52) Toluene	10.170	92	111969	20.274	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	54358	19.581	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	65573	20.292	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	28750	19.296	ug/l		91
56) Ethyl methacrylate	10.439	69	41087	19.080	ug/l		99
57) 1,3-Dichloropropane	10.719	76	52232	19.779	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.707	63	96419	98.618	ug/l		100
59) 2-Hexanone	10.762	43	87540	91.614	ug/l		100
60) Dibromochloromethane	10.908	129	37312	19.706	ug/l		98
61) 1,2-Dibromoethane	11.018	107	27846	20.505	ug/l		96
64) Tetrachloroethene	10.646	164	46715	20.869	ug/l		97
65) Chlorobenzene	11.438	112	117493	20.404	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	38244	19.715	ug/l		98
67) Ethyl Benzene	11.518	91	210828	19.739	ug/l		100
68) m/p-Xylenes	11.627	106	157542	38.910	ug/l		99
69) o-Xylene	11.950	106	75325	19.843	ug/l		99
70) Styrene	11.969	104	122002	19.443	ug/l		99
71) Bromoform	12.133	173	19189	18.589	ug/l	#	96
73) Isopropylbenzene	12.255	105	194422	19.792	ug/l		100
74) N-amyl acetate	12.066	43	46408	18.723	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30021	18.621	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	27817m	20.322	ug/l		
77) Bromobenzene	12.530	156	41454	19.998	ug/l		98
78) n-propylbenzene	12.591	91	237604	19.804	ug/l		98
79) 2-Chlorotoluene	12.676	91	128467	20.202	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	154233	19.999	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	10650	18.789	ug/l		98
82) 4-Chlorotoluene	12.773	91	129597	19.756	ug/l		98
83) tert-Butylbenzene	12.999	119	138927	20.071	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	154558	20.038	ug/l		100
85) sec-Butylbenzene	13.176	105	210444	19.851	ug/l		99
86) p-Isopropyltoluene	13.292	119	169354	19.381	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83524	19.887	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	81311	19.960	ug/l		99
89) n-Butylbenzene	13.615	91	167479	20.202	ug/l		99
90) Hexachloroethane	13.877	117	33527	19.708	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	71253	19.982	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4574	19.486	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	41052	21.108	ug/l		97
94) Hexachlorobutadiene	15.023	225	23044	21.468	ug/l		97
95) Naphthalene	15.145	128	73656	19.736	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	34247	20.547	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

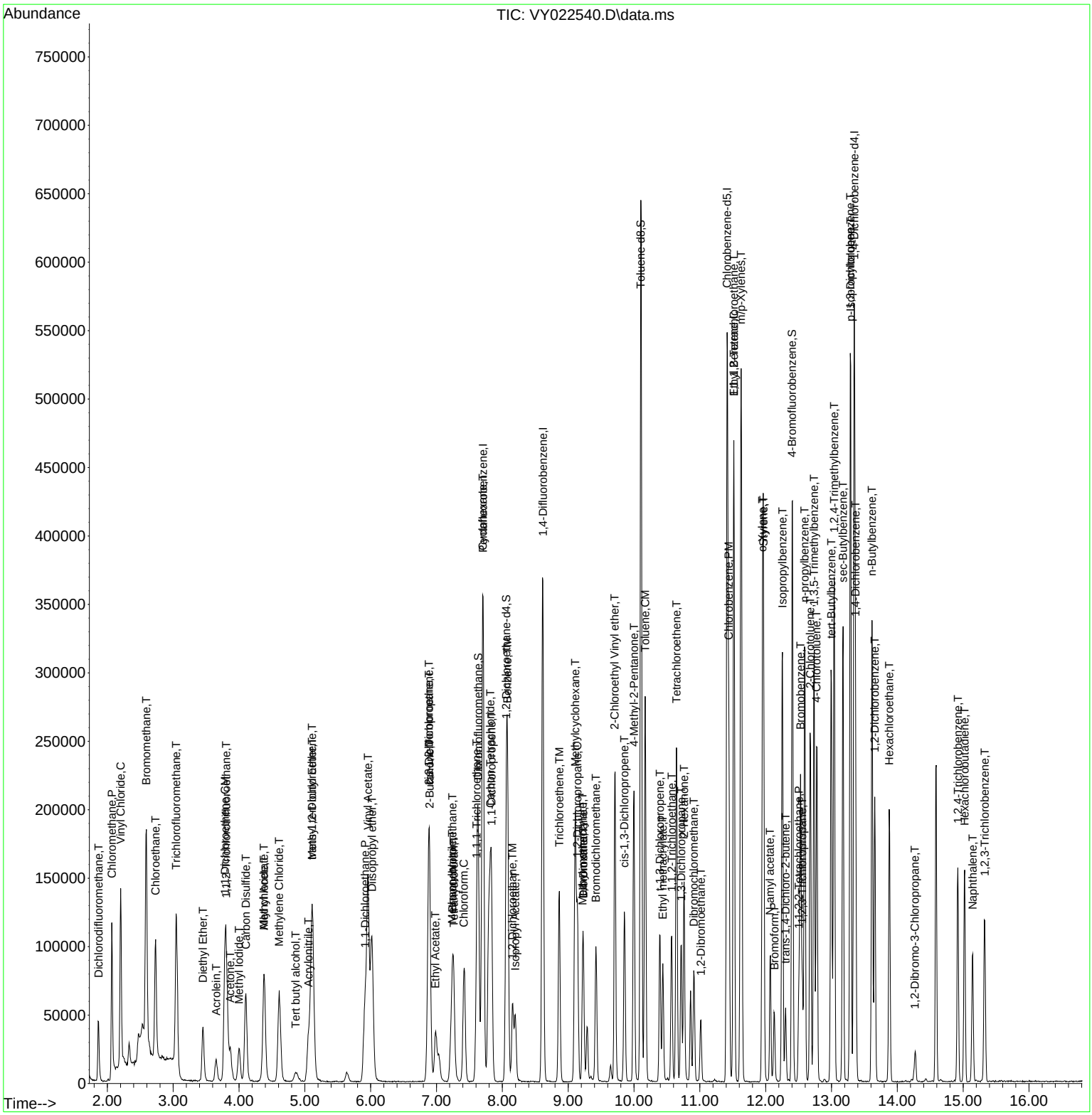
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/06/2025
Supervised By :Semsettin Yesilyurt 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103268	49.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.300%			
35) Dibromofluoromethane	7.634	113	96100	50.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.660%			
50) Toluene-d8	10.103	98	389337	50.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.401	95	110996	48.286	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35934	21.583	ug/l	98
3) Chloromethane	2.068	50	97474	19.818	ug/l	98
4) Vinyl Chloride	2.202	62	137361	24.074	ug/l	100
5) Bromomethane	2.586	94	125584	22.963	ug/l	97
6) Chloroethane	2.732	64	94921	24.237	ug/l	97
7) Trichlorofluoromethane	3.043	101	124470	25.696	ug/l	95
8) Diethyl Ether	3.452	74	22768	20.872	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	42895	21.026	ug/l	99
10) Methyl Iodide	4.001	142	38996	17.663	ug/l	99
11) Tert butyl alcohol	4.866	59	15000	100.976	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	41284	21.170	ug/l	96
13) Acrolein	3.653	56	17449	94.252	ug/l	98
14) Allyl chloride	4.372	41	62719	20.487	ug/l	98
15) Acrylonitrile	5.055	53	45665	98.843	ug/l	98
16) Acetone	3.873	43	39774	94.164	ug/l	98
17) Carbon Disulfide	4.104	76	129036	20.668	ug/l	99
18) Methyl Acetate	4.391	43	23837	19.057	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112178	20.423	ug/l	94
20) Methylene Chloride	4.610	84	51654	21.529	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	46025	21.088	ug/l	94
22) Diisopropyl ether	6.018	45	142095	20.852	ug/l	97
23) Vinyl Acetate	5.957	43	408238	101.218	ug/l	99
24) 1,1-Dichloroethane	5.909	63	85887	21.395	ug/l	99
25) 2-Butanone	6.896	43	61458	100.871	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74884	21.112	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53578	21.239	ug/l	99
28) Bromochloromethane	7.238	49	34931	19.961	ug/l	99
29) Tetrahydrofuran	7.262	42	38399	97.717	ug/l	98
30) Chloroform	7.421	83	84488	21.248	ug/l	96
31) Cyclohexane	7.701	56	79881	19.987	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	74288	21.046	ug/l	97
36) 1,1-Dichloropropene	7.835	75	63932	20.630	ug/l	99
37) Ethyl Acetate	6.982	43	28467	20.599	ug/l	98
38) Carbon Tetrachloride	7.817	117	65817	20.703	ug/l	97
39) Methylcyclohexane	9.109	83	83418	20.031	ug/l	97
40) Benzene	8.079	78	191373	20.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/06/2025
Supervised By :Semsettin Yesilyurt 06/06/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.219	41	13605	16.854	ug/l		87
42)	1,2-Dichloroethane	8.158	62	52311	20.932	ug/l		99
43)	Isopropyl Acetate	8.201	43	59989	20.099	ug/l		100
44)	Trichloroethene	8.866	130	46117	20.615	ug/l		94
45)	1,2-Dichloropropane	9.140	63	45262	20.924	ug/l		99
46)	Dibromomethane	9.231	93	24460	20.099	ug/l		99
47)	Bromodichloromethane	9.420	83	64131	20.783	ug/l		100
48)	Methyl methacrylate	9.219	41	26124	18.649	ug/l		98
49)	1,4-Dioxane	9.231	88	5680	393.970	ug/l		88
51)	4-Methyl-2-Pentanone	9.999	43	144633	97.196	ug/l		98
52)	Toluene	10.170	92	118135	20.538	ug/l		99
53)	t-1,3-Dichloropropene	10.390	75	56828	19.655	ug/l		96
54)	cis-1,3-Dichloropropene	9.853	75	68811	20.445	ug/l		97
55)	1,1,2-Trichloroethane	10.573	97	30617	19.730	ug/l		96
56)	Ethyl methacrylate	10.438	69	42048	18.748	ug/l		96
57)	1,3-Dichloropropane	10.713	76	54317	19.749	ug/l		99
58)	2-Chloroethyl Vinyl ether	9.707	63	99909	98.114	ug/l		99
59)	2-Hexanone	10.755	43	95337	95.797	ug/l		98
60)	Dibromochloromethane	10.908	129	39626	20.094	ug/l		98
61)	1,2-Dibromoethane	11.011	107	28445	20.112	ug/l		98
64)	Tetrachloroethene	10.646	164	46452	20.364	ug/l		98
65)	Chlorobenzene	11.438	112	122017	20.794	ug/l		99
66)	1,1,1,2-Tetrachloroethane	11.511	131	39130	19.795	ug/l		96
67)	Ethyl Benzene	11.517	91	220134	20.226	ug/l		97
68)	m/p-Xylenes	11.627	106	164620	39.899	ug/l		100
69)	o-Xylene	11.950	106	77686	20.082	ug/l		100
70)	Styrene	11.969	104	126313	19.754	ug/l		98
71)	Bromoform	12.127	173	20908	19.876	ug/l	#	98
73)	Isopropylbenzene	12.249	105	207625	20.870	ug/l		99
74)	N-amyl acetate	12.072	43	48535	19.335	ug/l		98
75)	1,1,2,2-Tetrachloroethane	12.505	83	33569	20.559	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	28455m	20.526	ug/l		
77)	Bromobenzene	12.529	156	41906	19.961	ug/l		99
78)	n-propylbenzene	12.590	91	249452	20.530	ug/l		100
79)	2-Chlorotoluene	12.676	91	131777	20.462	ug/l		98
80)	1,3,5-Trimethylbenzene	12.737	105	158482	20.291	ug/l		97
81)	trans-1,4-Dichloro-2-b...	12.304	75	10424	18.159	ug/l		95
82)	4-Chlorotoluene	12.773	91	133141	20.041	ug/l		99
83)	tert-Butylbenzene	12.993	119	146274	20.867	ug/l		98
84)	1,2,4-Trimethylbenzene	13.042	105	158008	20.227	ug/l		100
85)	sec-Butylbenzene	13.176	105	220482	20.537	ug/l		100
86)	p-Isopropyltoluene	13.292	119	175127	19.790	ug/l		100
87)	1,3-Dichlorobenzene	13.285	146	86453	20.325	ug/l		97
88)	1,4-Dichlorobenzene	13.365	146	83523	20.246	ug/l		99
89)	n-Butylbenzene	13.615	91	170632	20.323	ug/l		100
90)	Hexachloroethane	13.877	117	36555	21.218	ug/l		99
91)	1,2-Dichlorobenzene	13.657	146	70965	19.651	ug/l		97
92)	1,2-Dibromo-3-Chloropr...	14.273	75	4326	18.198	ug/l		92
93)	1,2,4-Trichlorobenzene	14.919	180	38134	19.361	ug/l		98
94)	Hexachlorobutadiene	15.023	225	21255	19.552	ug/l		100
95)	Naphthalene	15.139	128	69356	18.350	ug/l		99
96)	1,2,3-Trichlorobenzene	15.322	180	32110	19.023	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/06/2025
Supervised By :Semsettin Yesilyurt 06/06/2025

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

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

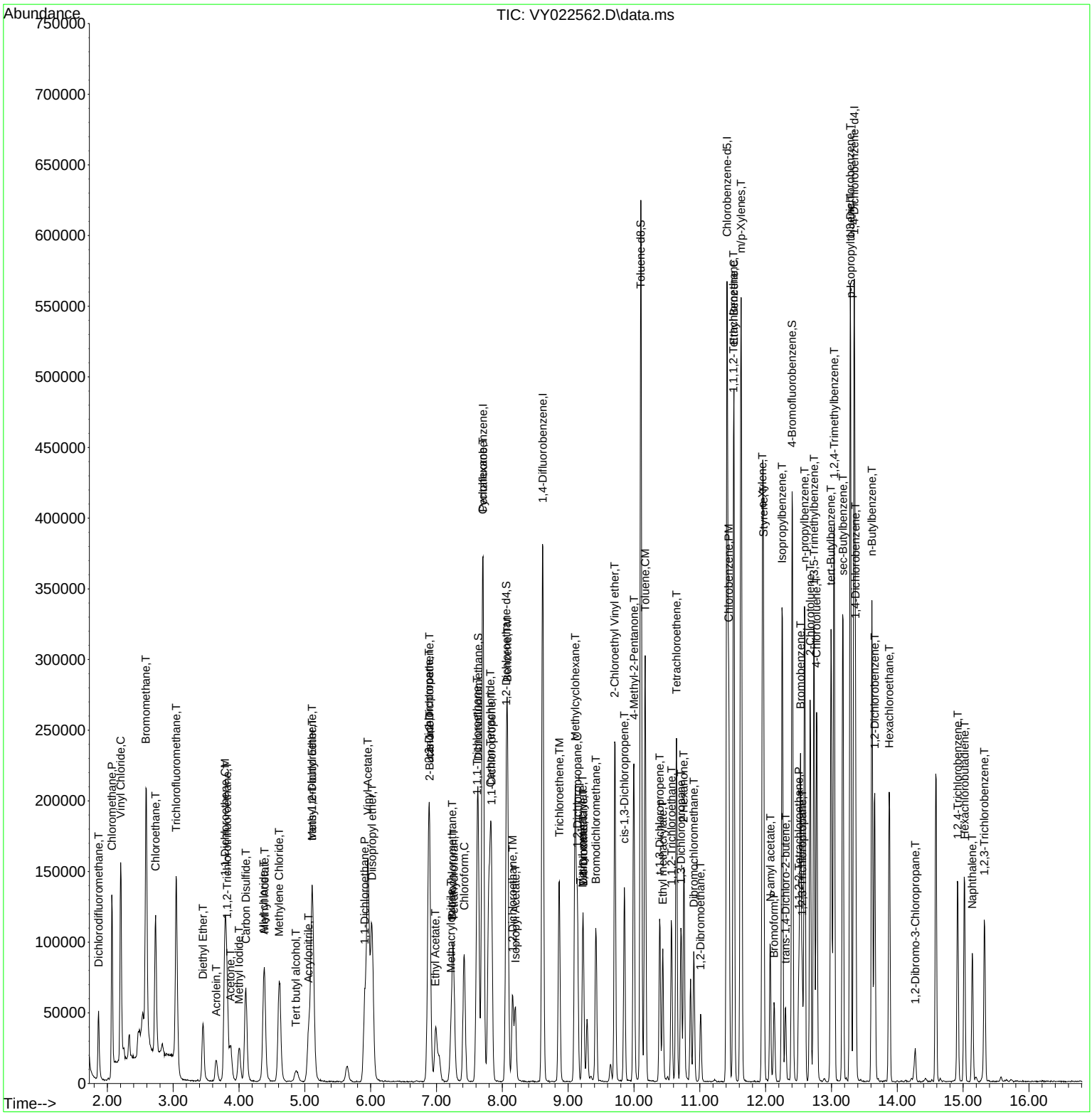
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/06/2025
Supervised By :Semsettin Yesilyurt 06/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	82810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77318	50.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.160%			
35) Dibromofluoromethane	5.379	113	53402	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.647	98	175829	48.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.540%			
62) 4-Bromofluorobenzene	11.079	95	69734	49.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21746	17.157	ug/l	96
3) Chloromethane	1.300	50	20739	16.873	ug/l	98
4) Vinyl Chloride	1.374	62	19031	16.636	ug/l	98
5) Bromomethane	1.593	94	9131	17.210	ug/l	96
6) Chloroethane	1.672	64	11190	18.324	ug/l	94
7) Trichlorofluoromethane	1.880	101	30644	18.126	ug/l	98
8) Diethyl Ether	2.130	74	11118	19.318	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20067	19.180	ug/l	98
10) Methyl Iodide	2.447	142	21463	17.337	ug/l	99
11) Tert butyl alcohol	2.977	59	24436	112.760	ug/l	100
12) 1,1-Dichloroethene	2.312	96	17640	17.965	ug/l	98
13) Acrolein	2.233	56	15917	64.494	ug/l	98
14) Allyl chloride	2.654	41	37372	19.914	ug/l	95
15) Acrylonitrile	3.062	53	67541	108.996	ug/l	98
16) Acetone	2.380	43	64858	104.777	ug/l	98
17) Carbon Disulfide	2.501	76	32688	14.042	ug/l	100
18) Methyl Acetate	2.703	43	39060	27.193	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71829	20.865	ug/l	98
20) Methylene Chloride	2.782	84	22268	18.772	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	18157	18.387	ug/l	98
22) Diisopropyl ether	3.757	45	77571	21.399	ug/l	99
23) Vinyl Acetate	3.715	43	315651	99.003	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40837	20.226	ug/l	98
25) 2-Butanone	4.556	43	98209	109.283	ug/l	100
26) 2,2-Dichloropropane	4.458	77	31191	19.737	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23607	19.859	ug/l	99
28) Bromochloromethane	4.891	49	22980	23.645	ug/l	97
29) Tetrahydrofuran	5.007	42	60045	106.628	ug/l	99
30) Chloroform	5.086	83	43797	20.812	ug/l	97
31) Cyclohexane	5.458	56	32380	17.599	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35925	19.693	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26070	18.438	ug/l	99
37) Ethyl Acetate	4.708	43	35515	20.330	ug/l	99
38) Carbon Tetrachloride	5.665	117	30583	19.250	ug/l	99
39) Methylcyclohexane	7.373	83	31246	17.165	ug/l	95
40) Benzene	6.031	78	81525	19.685	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20414	22.339	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37186	20.804	ug/l		99
43) Isopropyl Acetate	6.336	43	57875	21.716	ug/l		98
44) Trichloroethene	7.123	130	19271	19.333	ug/l		98
45) 1,2-Dichloropropane	7.427	63	21507	20.884	ug/l		95
46) Dibromomethane	7.580	93	16653	20.503	ug/l		98
47) Bromodichloromethane	7.818	83	33339	20.840	ug/l		98
48) Methyl methacrylate	7.690	41	29111	21.388	ug/l		99
49) 1,4-Dioxane	7.659	88	11361	439.619	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	197330	111.548	ug/l		99
52) Toluene	8.714	92	50495	19.884	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28257	19.872	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	31769	20.214	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	21613	21.584	ug/l		98
56) Ethyl methacrylate	9.116	69	33611	21.060	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37495	20.850	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	91268	112.173	ug/l		99
59) 2-Hexanone	9.427	43	148362	113.359	ug/l		98
60) Dibromochloromethane	9.518	129	23696	21.547	ug/l		97
61) 1,2-Dibromoethane	9.610	107	21686	20.837	ug/l		95
64) Tetrachloroethene	9.269	164	16548	18.393	ug/l		95
65) Chlorobenzene	10.073	112	54830	19.700	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19447	20.462	ug/l		94
67) Ethyl Benzene	10.189	91	97860	19.947	ug/l		97
68) m/p-Xylenes	10.299	106	72052	40.155	ug/l		99
69) o-Xylene	10.640	106	36064	20.616	ug/l		99
70) Styrene	10.652	104	59838	20.881	ug/l		99
71) Bromoform	10.799	173	14851	20.813	ug/l	#	100
73) Isopropylbenzene	10.957	105	96376	20.220	ug/l		100
74) N-amyl acetate	10.841	43	48582	20.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	35883	21.483	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30157m	20.464	ug/l		
77) Bromobenzene	11.195	156	21867	19.761	ug/l		98
78) n-propylbenzene	11.299	91	110640	19.964	ug/l		99
79) 2-Chlorotoluene	11.360	91	70031	19.591	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	81777	20.537	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8400	18.558	ug/l		91
82) 4-Chlorotoluene	11.451	91	79959	20.171	ug/l		100
83) tert-Butylbenzene	11.713	119	82089	20.466	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	81564	20.227	ug/l		100
85) sec-Butylbenzene	11.890	105	100143	20.335	ug/l		100
86) p-Isopropyltoluene	12.006	119	83098	20.442	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40612	20.110	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41136	19.945	ug/l		98
89) n-Butylbenzene	12.329	91	71109	19.942	ug/l		99
90) Hexachloroethane	12.536	117	13973	19.511	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42614	21.028	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7991	21.596	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22846	19.628	ug/l		100
94) Hexachlorobutadiene	13.725	225	10419	20.495	ug/l		98
95) Naphthalene	13.774	128	83641	19.592	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24644	20.519	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

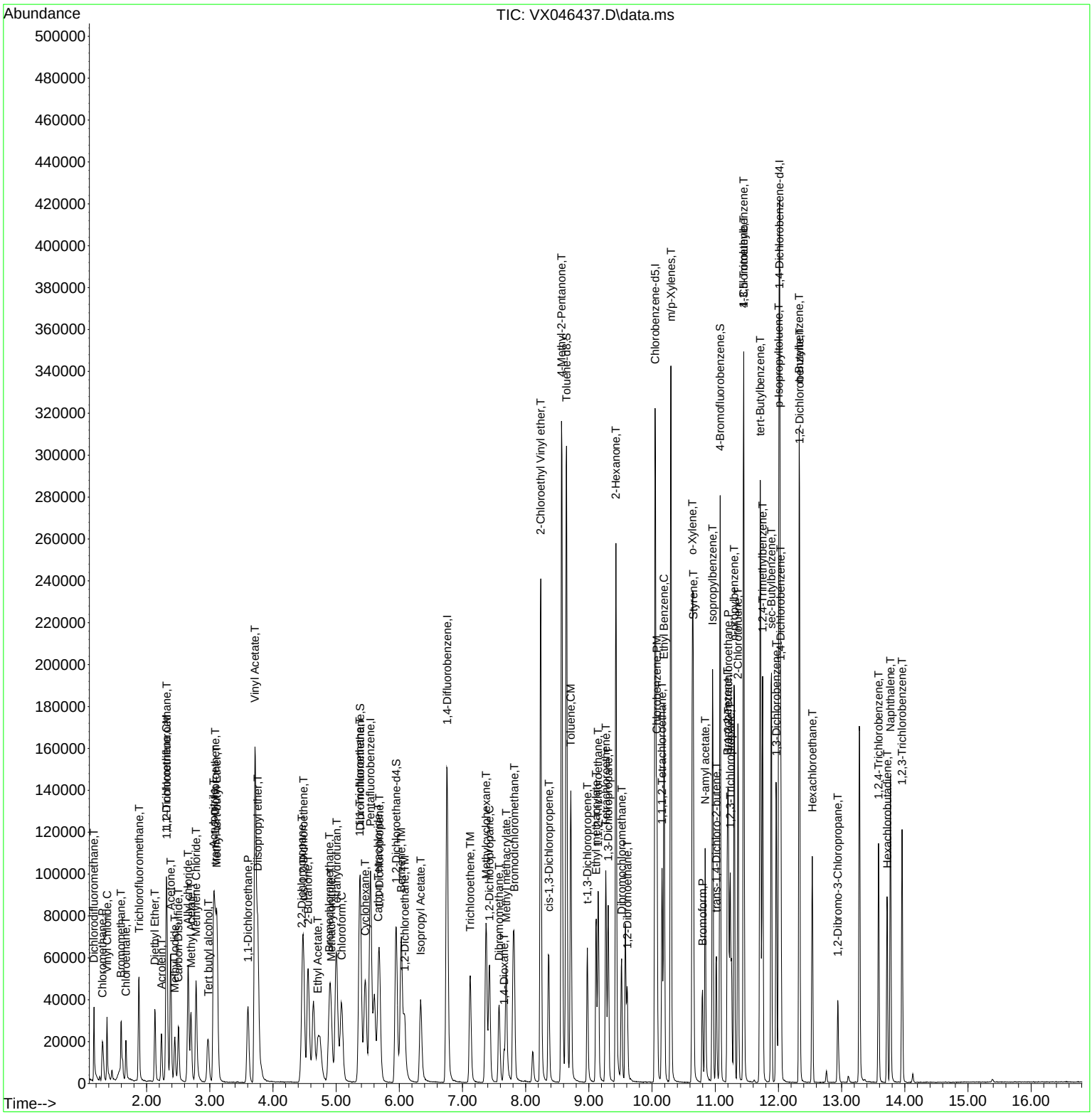
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.219	41	15352m	18.228	ug/l		
42)	1,2-Dichloroethane	8.164	62	54776	21.007	ug/l		98
43)	Isopropyl Acetate	8.201	43	61432	19.728	ug/l		98
44)	Trichloroethene	8.866	130	50293	21.548	ug/l		90
45)	1,2-Dichloropropane	9.140	63	46638	20.665	ug/l		99
46)	Dibromomethane	9.231	93	25459	20.051	ug/l		98
47)	Bromodichloromethane	9.420	83	67575	20.989	ug/l		100
48)	Methyl methacrylate	9.225	41	28959	19.815	ug/l		98
49)	1,4-Dioxane	9.237	88	5727	380.729	ug/l		95
51)	4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l		100
52)	Toluene	10.170	92	123263	20.539	ug/l		96
53)	t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l		94
54)	cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l		92
56)	Ethyl methacrylate	10.438	69	45653	19.510	ug/l		98
57)	1,3-Dichloropropane	10.719	76	58164	20.269	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l		99
59)	2-Hexanone	10.762	43	102187	98.414	ug/l		99
60)	Dibromochloromethane	10.908	129	41567	20.203	ug/l		100
61)	1,2-Dibromoethane	11.018	107	29473	19.973	ug/l		98
64)	Tetrachloroethene	10.646	164	50817	21.307	ug/l		96
65)	Chlorobenzene	11.438	112	129702	21.140	ug/l		97
66)	1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l		99
67)	Ethyl Benzene	11.517	91	236352	20.770	ug/l		99
68)	m/p-Xylenes	11.627	106	178031	41.269	ug/l		99
69)	o-Xylene	11.956	106	83649	20.682	ug/l		100
70)	Styrene	11.969	104	137611	20.583	ug/l		99
71)	Bromoform	12.133	173	21869	19.883	ug/l	#	99
73)	Isopropylbenzene	12.255	105	220201	21.105	ug/l		100
74)	N-amyl acetate	12.072	43	52673	20.008	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l		
77)	Bromobenzene	12.529	156	46055	20.918	ug/l		100
78)	n-propylbenzene	12.597	91	269951	21.184	ug/l		99
79)	2-Chlorotoluene	12.682	91	142085	21.037	ug/l		99
80)	1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l		98
81)	trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l		95
82)	4-Chlorotoluene	12.779	91	141886	20.364	ug/l		96
83)	tert-Butylbenzene	12.999	119	156660	21.309	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l		99
85)	sec-Butylbenzene	13.176	105	235402	20.907	ug/l		99
86)	p-Isopropyltoluene	13.292	119	190486	20.525	ug/l		99
87)	1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l		98
88)	1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l		99
89)	n-Butylbenzene	13.615	91	189125	21.478	ug/l		99
90)	Hexachloroethane	13.877	117	38174	21.128	ug/l		100
91)	1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l		95
93)	1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l		99
94)	Hexachlorobutadiene	15.023	225	23654	20.747	ug/l		99
95)	Naphthalene	15.145	128	76972	19.418	ug/l		99
96)	1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

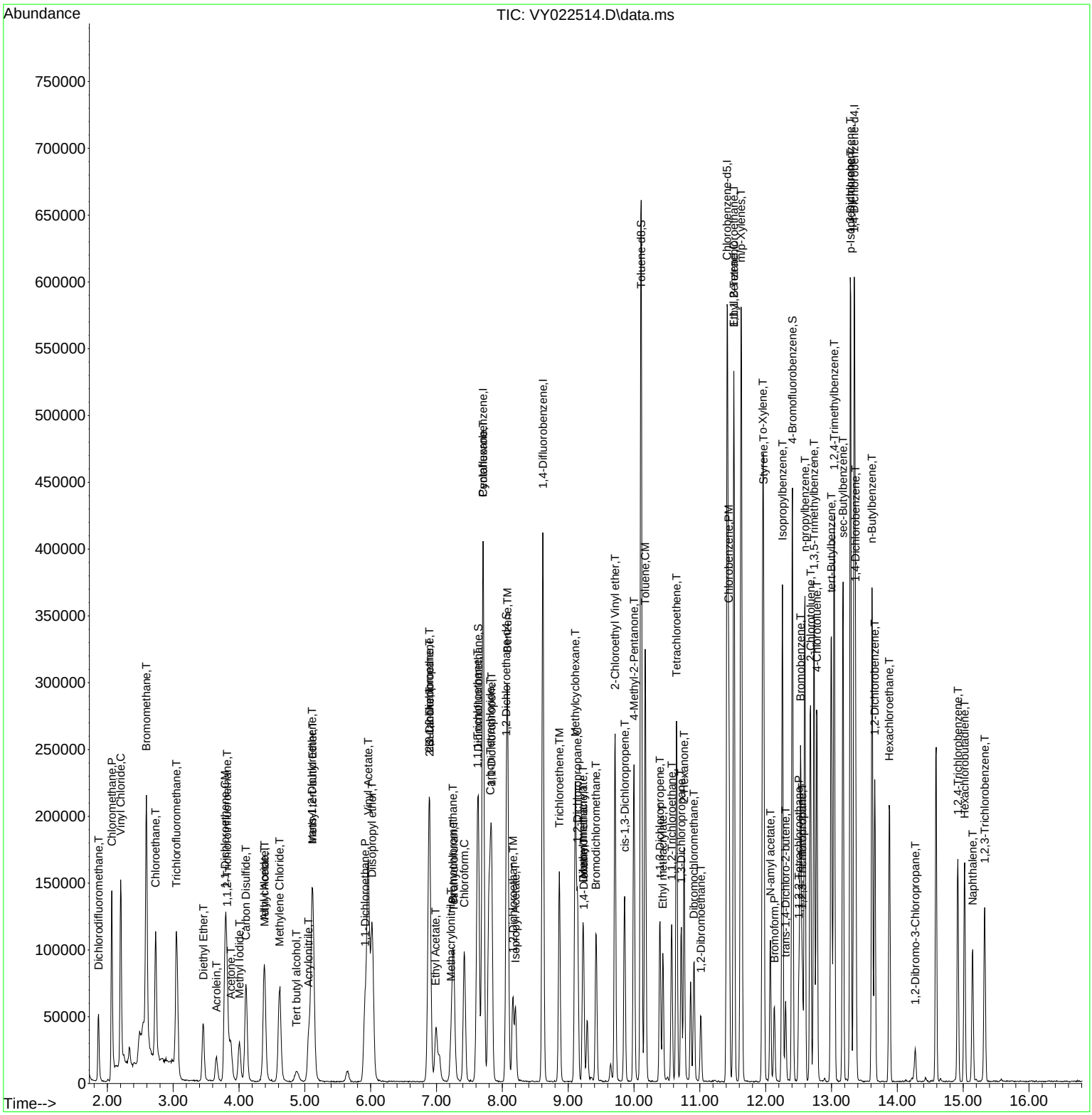
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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:	VX060225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046433.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:42 AM	MMDadoda	6/3/2025 2:37:30 PM	Peak Integrated by Software
VX0602WBS01	VX046436.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:46 AM	MMDadoda	6/3/2025 2:37:32 PM	Peak Integrated by Software
VX0602WBSD01	VX046437.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:50 AM	MMDadoda	6/3/2025 2:37:33 PM	Peak Integrated by Software
VSTDCCC050	VX046458.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:36:15 AM	MMDadoda	6/3/2025 2:37:49 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

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:	vy060325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022511.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VSTDCCC050	VY022511.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VY0603SBS01	VY022513.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:55 PM	Sam	6/4/2025 4:23:24 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	Methacrylonitrile	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022538.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VSTDCCC050	VY022538.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VSTDCCC050	VY022558.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:22 PM	SAM	6/5/2025 4:46:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY060525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022560.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VSTDCCC050	VY022560.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VY0605SBS01	VY022562.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:23 PM	Sam	6/6/2025 5:56:00 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046432.D	02 Jun 2025 09:42	JC/MD	Ok
2	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	JC/MD	Ok,M
3	VX0602MBL01	VX046434.D	02 Jun 2025 10:51	JC/MD	Ok
4	VX0602WBL01	VX046435.D	02 Jun 2025 11:14	JC/MD	Ok
5	VX0602WBS01	VX046436.D	02 Jun 2025 11:37	JC/MD	Ok,M
6	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04	JC/MD	Ok,M
7	IBLK	VX046438.D	02 Jun 2025 12:27	JC/MD	Ok
8	Q2164-01	VX046439.D	02 Jun 2025 12:50	JC/MD	Ok
9	Q2164-02	VX046440.D	02 Jun 2025 13:14	JC/MD	Ok
10	Q2164-03	VX046441.D	02 Jun 2025 13:37	JC/MD	Ok
11	Q2164-04	VX046442.D	02 Jun 2025 14:00	JC/MD	Ok
12	Q2177-08	VX046443.D	02 Jun 2025 14:23	JC/MD	ReRun
13	Q2177-09	VX046444.D	02 Jun 2025 14:47	JC/MD	Ok
14	Q2157-01	VX046445.D	02 Jun 2025 15:36	JC/MD	Ok
15	VX0602MBS01	VX046446.D	02 Jun 2025 15:59	JC/MD	Ok,M
16	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22	JC/MD	Ok,M
17	Q2155-01	VX046448.D	02 Jun 2025 16:46	JC/MD	Not Ok
18	Q2155-02	VX046449.D	02 Jun 2025 17:09	JC/MD	Not Ok
19	Q2161-01	VX046450.D	02 Jun 2025 17:32	JC/MD	Ok
20	Q2161-02	VX046451.D	02 Jun 2025 17:56	JC/MD	Ok
21	IBLK	VX046452.D	02 Jun 2025 18:19	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VX046453.D	02 Jun 2025 18:42	JC/MD	Ok
23	Q2177-08	VX046454.D	02 Jun 2025 19:06	JC/MD	Ok
24	Q2169-01	VX046455.D	02 Jun 2025 19:29	JC/MD	Not Ok
25	Q2169-03	VX046456.D	02 Jun 2025 19:52	JC/MD	Not Ok
26	Q2155-01	VX046457.D	02 Jun 2025 20:39	JC/MD	Not Ok
27	VSTDCCC050	VX046458.D	02 Jun 2025 21:03	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Not Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022510.D	03 Jun 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY022511.D	03 Jun 2025 10:03	SY/MD	Ok,M
3	VY0603SBL01	VY022512.D	03 Jun 2025 10:40	SY/MD	Ok
4	VY0603SBS01	VY022513.D	03 Jun 2025 11:15	SY/MD	Ok,M
5	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38	SY/MD	Ok,M
6	Q2155-01	VY022515.D	03 Jun 2025 12:17	SY/MD	Ok
7	Q2155-02	VY022516.D	03 Jun 2025 12:40	SY/MD	Ok,M
8	Q2185-02	VY022517.D	03 Jun 2025 13:04	SY/MD	Ok
9	Q2185-06	VY022518.D	03 Jun 2025 13:27	SY/MD	Ok
10	Q2172-02	VY022519.D	03 Jun 2025 13:51	SY/MD	Ok
11	Q2168-03	VY022520.D	03 Jun 2025 14:14	SY/MD	ReRun
12	Q2168-07	VY022521.D	03 Jun 2025 14:38	SY/MD	Dilution
13	Q2168-11	VY022522.D	03 Jun 2025 15:01	SY/MD	Dilution
14	Q2182-01	VY022523.D	03 Jun 2025 15:24	SY/MD	ReRun
15	Q2162-01	VY022524.D	03 Jun 2025 15:48	SY/MD	Ok
16	Q2161-02	VY022525.D	03 Jun 2025 16:11	SY/MD	Not Ok
17	Q2176-01	VY022526.D	03 Jun 2025 16:35	SY/MD	Ok
18	Q2176-02	VY022527.D	03 Jun 2025 16:58	SY/MD	Ok
19	Q2176-03	VY022528.D	03 Jun 2025 17:22	SY/MD	Ok
20	Q2176-04	VY022529.D	03 Jun 2025 17:45	SY/MD	Ok
21	Q2176-05	VY022530.D	03 Jun 2025 18:09	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2176-06	VY022531.D	03 Jun 2025 18:32	SY/MD	Ok
23	Q2176-07	VY022532.D	03 Jun 2025 18:56	SY/MD	Ok
24	Q2176-08	VY022533.D	03 Jun 2025 19:19	SY/MD	Ok
25	Q2177-01	VY022534.D	03 Jun 2025 19:42	SY/MD	Ok
26	VIBLK	VY022535.D	03 Jun 2025 20:06	SY/MD	Ok
27	VSTDCCC050	VY022536.D	03 Jun 2025 20:51	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022537.D	04 Jun 2025 08:48	SY/MD	Ok
2	VSTDCCC050	VY022538.D	04 Jun 2025 09:54	SY/MD	Ok,M
3	VY0604SBL01	VY022539.D	04 Jun 2025 10:24	SY/MD	Ok
4	VY0604SBS01	VY022540.D	04 Jun 2025 10:54	SY/MD	Ok,M
5	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16	SY/MD	Ok,M
6	Q2126-03	VY022542.D	04 Jun 2025 11:53	SY/MD	Ok,M
7	Q2126-03	VY022543.D	04 Jun 2025 12:16	SY/MD	Ok,M
8	Q2168-03RE	VY022544.D	04 Jun 2025 12:39	SY/MD	Confirms
9	Q2182-01RE	VY022545.D	04 Jun 2025 13:03	SY/MD	Confirms
10	Q2195-01	VY022546.D	04 Jun 2025 13:26	SY/MD	ReRun
11	Q2194-01	VY022547.D	04 Jun 2025 13:50	SY/MD	Ok
12	Q2194-03	VY022548.D	04 Jun 2025 14:13	SY/MD	ReRun
13	Q2199-02	VY022549.D	04 Jun 2025 14:37	SY/MD	ReRun
14	Q2199-04	VY022550.D	04 Jun 2025 15:00	SY/MD	Not Ok
15	Q2199-06	VY022551.D	04 Jun 2025 15:24	SY/MD	Ok
16	Q2198-01	VY022552.D	04 Jun 2025 15:47	SY/MD	Ok
17	Q2198-03	VY022553.D	04 Jun 2025 16:11	SY/MD	Ok
18	Q2177-02	VY022554.D	04 Jun 2025 16:34	SY/MD	Ok
19	Q2177-04	VY022555.D	04 Jun 2025 16:58	SY/MD	Ok
20	Q2177-06	VY022556.D	04 Jun 2025 17:21	SY/MD	ReRun
21	VIBLK	VY022557.D	04 Jun 2025 17:45	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022558.D	04 Jun 2025 18:30	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022559.D	05 Jun 2025 08:08	SY/MD	Ok
2	VSTDCCC050	VY022560.D	05 Jun 2025 08:40	SY/MD	Ok,M
3	VY0605SBL01	VY022561.D	05 Jun 2025 09:11	SY/MD	Ok
4	VY0605SBS01	VY022562.D	05 Jun 2025 09:41	SY/MD	Ok,M
5	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31	SY/MD	Ok,M
6	Q2199-02RE	VY022564.D	05 Jun 2025 11:12	SY/MD	Confirms
7	Q2199-06	VY022565.D	05 Jun 2025 11:35	SY/MD	Not Ok
8	Q2194-03	VY022566.D	05 Jun 2025 11:59	SY/MD	Ok
9	Q2195-01RE	VY022567.D	05 Jun 2025 12:22	SY/MD	Confirms
10	Q2177-06	VY022568.D	05 Jun 2025 12:45	SY/MD	Ok
11	Q2219-01	VY022569.D	05 Jun 2025 13:09	SY/MD	ReRun
12	Q2214-01	VY022570.D	05 Jun 2025 13:33	SY/MD	Not Ok
13	Q2224-01	VY022571.D	05 Jun 2025 13:56	SY/MD	ReRun
14	Q2208-02	VY022572.D	05 Jun 2025 14:20	SY/MD	ReRun
15	Q2208-11	VY022573.D	05 Jun 2025 14:44	SY/MD	ReRun
16	Q2208-20	VY022574.D	05 Jun 2025 15:07	SY/MD	ReRun
17	Q2208-29	VY022575.D	05 Jun 2025 15:31	SY/MD	ReRun
18	Q2207-02	VY022576.D	05 Jun 2025 15:55	SY/MD	ReRun
19	Q2207-11	VY022577.D	05 Jun 2025 16:19	SY/MD	ReRun
20	Q2207-20	VY022578.D	05 Jun 2025 16:42	SY/MD	ReRun
21	Q2207-29	VY022579.D	05 Jun 2025 17:06	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2207-38	VY022580.D	05 Jun 2025 17:30	SY/MD	ReRun
23	Q2225-01	VY022581.D	05 Jun 2025 17:54	SY/MD	ReRun
24	Q2226-02	VY022582.D	05 Jun 2025 18:17	SY/MD	ReRun
25	Q2227-02	VY022583.D	05 Jun 2025 18:41	SY/MD	ReRun
26	VIBLK	VY022584.D	05 Jun 2025 19:05	SY/MD	Ok
27	VSTDCCC050	VY022585.D	05 Jun 2025 19:51	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
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	VX046432.D	02 Jun 2025 09:42		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	pH#Lot#V12668	JC/MD	Ok,M
3	VX0602MBL01	VX0602MBL01	VX046434.D	02 Jun 2025 10:51		JC/MD	Ok
4	VX0602WBL01	VX0602WBL01	VX046435.D	02 Jun 2025 11:14		JC/MD	Ok
5	VX0602WBS01	VX0602WBS01	VX046436.D	02 Jun 2025 11:37		JC/MD	Ok,M
6	VX0602WBSD01	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04		JC/MD	Ok,M
7	IBLK	IBLK	VX046438.D	02 Jun 2025 12:27		JC/MD	Ok
8	Q2164-01	STORAGE-BLANK-SO	VX046439.D	02 Jun 2025 12:50	vial A pH<2	JC/MD	Ok
9	Q2164-02	STORAGE-BLANK-WA	VX046440.D	02 Jun 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q2164-03	STORAGE-BLANK-WA	VX046441.D	02 Jun 2025 13:37	vial A pH<2	JC/MD	Ok
11	Q2164-04	STORAGE-BLANK-SA	VX046442.D	02 Jun 2025 14:00	vial A pH<2	JC/MD	Ok
12	Q2177-08	EB05312025	VX046443.D	02 Jun 2025 14:23	vial A pH<2 EB;Hit of comp.#16	JC/MD	ReRun
13	Q2177-09	TB05312025	VX046444.D	02 Jun 2025 14:47	vial A pH<2 TB	JC/MD	Ok
14	Q2157-01	291	VX046445.D	02 Jun 2025 15:36	cloth material	JC/MD	Ok
15	VX0602MBS01	VX0602MBS01	VX046446.D	02 Jun 2025 15:59		JC/MD	Ok,M
16	VX0602MBSD01	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22		JC/MD	Ok,M
17	Q2155-01	446	VX046448.D	02 Jun 2025 16:46	Need Straight Run	JC/MD	Not Ok
18	Q2155-02	447-SOLID	VX046449.D	02 Jun 2025 17:09	Need Soil Run	JC/MD	Not Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2161-01	B27-SOIL-SAMPLE	VX046450.D	02 Jun 2025 17:32		JC/MD	Ok
20	Q2161-02	B28-SOIL-SAMPLE	VX046451.D	02 Jun 2025 17:56	Need Soil Run	JC/MD	Ok
21	IBLK	IBLK	VX046452.D	02 Jun 2025 18:19		JC/MD	Ok
22	IBLK	IBLK	VX046453.D	02 Jun 2025 18:42		JC/MD	Ok
23	Q2177-08	EB05312025	VX046454.D	02 Jun 2025 19:06	vial B pH<2	JC/MD	Ok
24	Q2169-01	303-PPR-1	VX046455.D	02 Jun 2025 19:29	Need Straight Run	JC/MD	Not Ok
25	Q2169-03	303-PPR-2	VX046456.D	02 Jun 2025 19:52	Need Straight Run	JC/MD	Not Ok
26	Q2155-01	446	VX046457.D	02 Jun 2025 20:39	Need Soil Run	JC/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VX046458.D	02 Jun 2025 21:03		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B Not purge	SY/MD	Not Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022510.D	03 Jun 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022511.D	03 Jun 2025 10:03		SY/MD	Ok,M
3	VY0603SBL01	VY0603SBL01	VY022512.D	03 Jun 2025 10:40		SY/MD	Ok
4	VY0603SBS01	VY0603SBS01	VY022513.D	03 Jun 2025 11:15		SY/MD	Ok,M
5	VY0603SBSD01	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38		SY/MD	Ok,M
6	Q2155-01	446	VY022515.D	03 Jun 2025 12:17	vial-A	SY/MD	Ok
7	Q2155-02	447-SOLID	VY022516.D	03 Jun 2025 12:40	vial-A	SY/MD	Ok,M
8	Q2185-02	TP02-MHB-VOC	VY022517.D	03 Jun 2025 13:04	vial-A	SY/MD	Ok
9	Q2185-06	TP01-MHA-VOC	VY022518.D	03 Jun 2025 13:27	vial-A	SY/MD	Ok
10	Q2172-02	TP06-MHQ-VOC	VY022519.D	03 Jun 2025 13:51	vial-A	SY/MD	Ok
11	Q2168-03	A3	VY022520.D	03 Jun 2025 14:14	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2168-07	B3	VY022521.D	03 Jun 2025 14:38	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
13	Q2168-11	C2	VY022522.D	03 Jun 2025 15:01	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
14	Q2182-01	OR-03-06022025	VY022523.D	03 Jun 2025 15:24	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2162-01	BP-VPB-182-GW-580-5	VY022524.D	03 Jun 2025 15:48	vial-A	SY/MD	Ok
16	Q2161-02	B28-SOIL-SAMPLE	VY022525.D	03 Jun 2025 16:11	vial-B Not purge	SY/MD	Not Ok
17	Q2176-01	TP-46	VY022526.D	03 Jun 2025 16:35	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2176-02	TP-56	VY022527.D	03 Jun 2025 16:58	vial-A	SY/MD	Ok
19	Q2176-03	TP-25	VY022528.D	03 Jun 2025 17:22	vial-A	SY/MD	Ok
20	Q2176-04	TP-26	VY022529.D	03 Jun 2025 17:45	vial-A	SY/MD	Ok
21	Q2176-05	TP-28	VY022530.D	03 Jun 2025 18:09	vial-A	SY/MD	Ok
22	Q2176-06	TP-27	VY022531.D	03 Jun 2025 18:32	vial-A	SY/MD	Ok
23	Q2176-07	TP-31	VY022532.D	03 Jun 2025 18:56	vial-A	SY/MD	Ok
24	Q2176-08	TP-65	VY022533.D	03 Jun 2025 19:19	vial-A	SY/MD	Ok
25	Q2177-01	B-187-SB00	VY022534.D	03 Jun 2025 19:42	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VY022535.D	03 Jun 2025 20:06		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022536.D	03 Jun 2025 20:51		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022537.D	04 Jun 2025 08:48		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022538.D	04 Jun 2025 09:54		SY/MD	Ok,M
3	VY0604SBL01	VY0604SBL01	VY022539.D	04 Jun 2025 10:24		SY/MD	Ok
4	VY0604SBS01	VY0604SBS01	VY022540.D	04 Jun 2025 10:54		SY/MD	Ok,M
5	VY0604SBSD01	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022542.D	04 Jun 2025 11:53		SY/MD	Ok,M
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022543.D	04 Jun 2025 12:16		SY/MD	Ok,M
8	Q2168-03RE	A3RE	VY022544.D	04 Jun 2025 12:39	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
9	Q2182-01RE	OR-03-06022025RE	VY022545.D	04 Jun 2025 13:03	vial-B Internal Standard Fail	SY/MD	Confirms
10	Q2195-01	OK-01-060325	VY022546.D	04 Jun 2025 13:26	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2194-01	COMP-12	VY022547.D	04 Jun 2025 13:50	vial-A	SY/MD	Ok
12	Q2194-03	COMP-13	VY022548.D	04 Jun 2025 14:13	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q2199-02	ETGI-343	VY022549.D	04 Jun 2025 14:37	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2199-04	VNJ-231	VY022550.D	04 Jun 2025 15:00	vial-A Not purge	SY/MD	Not Ok
15	Q2199-06	72-11978	VY022551.D	04 Jun 2025 15:24	vial-A	SY/MD	Ok
16	Q2198-01	B-202-SB02	VY022552.D	04 Jun 2025 15:47	vial-A	SY/MD	Ok
17	Q2198-03	B-207-SB02	VY022553.D	04 Jun 2025 16:11	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2177-02	B-187-SB01	VY022554.D	04 Jun 2025 16:34	vial-A	SY/MD	Ok
19	Q2177-04	B-187-SB02	VY022555.D	04 Jun 2025 16:58	vial-A	SY/MD	Ok
20	Q2177-06	B-202-SB01	VY022556.D	04 Jun 2025 17:21	vial-A Internal Standard Fail	SY/MD	ReRun
21	VIBLK	VIBLK	VY022557.D	04 Jun 2025 17:45		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022558.D	04 Jun 2025 18:30		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022559.D	05 Jun 2025 08:08		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022560.D	05 Jun 2025 08:40		SY/MD	Ok,M
3	VY0605SBL01	VY0605SBL01	VY022561.D	05 Jun 2025 09:11		SY/MD	Ok
4	VY0605SBS01	VY0605SBS01	VY022562.D	05 Jun 2025 09:41		SY/MD	Ok,M
5	VY0605SBSD01	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31		SY/MD	Ok,M
6	Q2199-02RE	ETGI-343RE	VY022564.D	05 Jun 2025 11:12	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
7	Q2199-06	72-11978	VY022565.D	05 Jun 2025 11:35	vial-B Already analyzed	SY/MD	Not Ok
8	Q2194-03	COMP-13	VY022566.D	05 Jun 2025 11:59	vial-B	SY/MD	Ok
9	Q2195-01RE	OK-01-060325RE	VY022567.D	05 Jun 2025 12:22	Internal Standard Fail	SY/MD	Confirms
10	Q2177-06	B-202-SB01	VY022568.D	05 Jun 2025 12:45	vial-B	SY/MD	Ok
11	Q2219-01	72-11995	VY022569.D	05 Jun 2025 13:09	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2214-01	RBR251425	VY022570.D	05 Jun 2025 13:33	vial-A NOT purged	SY/MD	Not Ok
13	Q2224-01	EO-01-06042025	VY022571.D	05 Jun 2025 13:56	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2208-02	BU-703-VOC-06	VY022572.D	05 Jun 2025 14:20	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2208-11	BU-703-VOC-07	VY022573.D	05 Jun 2025 14:44	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q2208-20	BU-703-VOC-08	VY022574.D	05 Jun 2025 15:07	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q2208-29	BU-703-VOC-09	VY022575.D	05 Jun 2025 15:31	vial-A Internal Standard Fail	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2207-02	BU-703-VOC-01	VY022576.D	05 Jun 2025 15:55	vial-A Internal Standard Fail	SY/MD	ReRun
19	Q2207-11	BU-703-VOC-02	VY022577.D	05 Jun 2025 16:19	vial-A Internal Standard Fail	SY/MD	ReRun
20	Q2207-20	BU-703-VOC-03	VY022578.D	05 Jun 2025 16:42	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q2207-29	BU-703-VOC-04	VY022579.D	05 Jun 2025 17:06	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2207-38	BU-703-VOC-05	VY022580.D	05 Jun 2025 17:30	vial-A Internal Standard Fail	SY/MD	ReRun
23	Q2225-01	SU-03-06042025	VY022581.D	05 Jun 2025 17:54	vial-A Internal Standard Fail	SY/MD	ReRun
24	Q2226-02	TP06-MHI-VOC	VY022582.D	05 Jun 2025 18:17	vial-A Internal Standard Fail	SY/MD	ReRun
25	Q2227-02	TP07-MHH-VOC	VY022583.D	05 Jun 2025 18:41	vial-A Internal Standard Fail	SY/MD	ReRun
26	VIBLK	VIBLK	VY022584.D	05 Jun 2025 19:05		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022585.D	05 Jun 2025 19:51		SY/MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-01	**B-187-SB00**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/05/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	
Q2177-09	**TB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-187-SB02**							
Q2177-05	B-187-SB02	TCLP	2-Butanone	10.3	J	0.98	25.0	ug/L
			Total Voc :	10.3				
			Total Concentration:	10.3				

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086855.D	1		06/03/25 20:12	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	8.218			
540-36-3	1,4-Difluorobenzene	429000	9.1			
3114-55-4	Chlorobenzene-d5	389000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	163000	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086856.D	1		06/03/25 20:36	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	10.3	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	8.218			
540-36-3	1,4-Difluorobenzene	428000	9.1			
3114-55-4	Chlorobenzene-d5	405000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	181000	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086857.D	1		06/03/25 21:00	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	8.218			
540-36-3	1,4-Difluorobenzene	418000	9.1			
3114-55-4	Chlorobenzene-d5	403000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	184000	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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2177-03	B-187-SB01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.9	102	70 (77)	130 (121)
Q2177-05	B-187-SB02	1,2-Dichloroethane-d4	50	50.7	101	70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106	70 (75)	130 (124)
		Toluene-d8	50	52.2	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	106	70 (77)	130 (121)
Q2177-07	B-202-SB01	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	53.2	106	70 (75)	130 (124)
		Toluene-d8	50	52.0	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.6	109	70 (77)	130 (121)
VN0603WBL01	VN0603WBL01	1,2-Dichloroethane-d4	50	46.6	93	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106	70 (77)	130 (121)
VN0603WBS01	VN0603WBS01	1,2-Dichloroethane-d4	50	45.7	91	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95	70 (77)	130 (121)
VN0603WBSD0	VN0603WBSD01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	47.0	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.9	94	70 (77)	130 (121)

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VN086837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0603WBS01	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.5	ug/L	93			70 (74)	130 (110)	
	2-Butanone	100	94.0	ug/L	94			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	Chloroform	20	18.3	ug/L	92			70 (79)	130 (113)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	Tetrachloroethene	20	15.8	ug/L	79			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VN086838.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0603WBSD01	Vinyl chloride	20	16.1	ug/L	81	4		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	94.6	ug/L	95	1		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.5	ug/L	93	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	18.2	ug/L	91	1		70 (79)	130 (113)	20 (20)
	Benzene	20	18.8	ug/L	94	2		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.3	ug/L	92	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.9	ug/L	90	3		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	15.4	ug/L	77	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.4	ug/L	97	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.

VN0603WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086836.D Lab Sample ID: VN0603WBL01

Date Analyzed: 06/03/2025 Time Analyzed: 12:10

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
VN0603WBS01	VN0603WBS01	VN086837.D	06/03/2025
VN0603WBSD01	VN0603WBSD01	VN086838.D	06/03/2025
B-187-SB01	Q2177-03	VN086855.D	06/03/2025
B-187-SB02	Q2177-05	VN086856.D	06/03/2025
B-202-SB01	Q2177-07	VN086857.D	06/03/2025

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086668.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_N BFB Injection Time: 15:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	73.6 (98.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 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
VSTDICC001	VSTDICC001	VN086669.D	05/16/2025	16:31
VSTDICC005	VSTDICC005	VN086670.D	05/16/2025	16:55
VSTDICC010	VSTDICC010	VN086671.D	05/16/2025	17:19
VSTDICC020	VSTDICC020	VN086672.D	05/16/2025	17:43
VSTDICCC050	VSTDICCC050	VN086673.D	05/16/2025	18:08
VSTDICC100	VSTDICC100	VN086674.D	05/16/2025	18:32

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086834.D BFB Injection Date: 06/03/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

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	16.8
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.5 (7.9) 1
176	95.0 - 101.0% of mass 174	68.3 (97.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086835.D	06/03/2025	11:30
VN0603WBL01	VN0603WBL01	VN086836.D	06/03/2025	12:10
VN0603WBS01	VN0603WBS01	VN086837.D	06/03/2025	12:46
VN0603WBSD01	VN0603WBSD01	VN086838.D	06/03/2025	13:20
B-187-SB01	Q2177-03	VN086855.D	06/03/2025	20:12
B-187-SB02	Q2177-05	VN086856.D	06/03/2025	20:36
B-202-SB01	Q2177-07	VN086857.D	06/03/2025	21:00

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086835.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_N Time Analyzed: 11:30

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	307948	8.22	547716	9.09	465701	11.87
UPPER LIMIT	615896	8.718	1095430	9.594	931402	12.365
LOWER LIMIT	153974	7.718	273858	8.594	232851	11.365
EPA SAMPLE NO.						
B-187-SB01	220507	8.22	428516	9.10	389120	11.87
B-187-SB02	221135	8.22	428494	9.10	404884	11.87
B-202-SB01	214739	8.22	418395	9.10	402557	11.87
VN0603WBL01	257056	8.22	493879	9.09	460882	11.87
VN0603WBS01	311874	8.22	552803	9.09	467842	11.87
VN0603WBSD01	283988	8.22	510275	9.09	430553	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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086835.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_N Time Analyzed: 11:30

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

	IS4 AREA #	RT #				
12 HOUR STD	208517	13.788				
UPPER LIMIT	417034	14.288				
LOWER LIMIT	104259	13.288				
EPA SAMPLE NO.						
B-187-SB01	163382	13.79				
B-187-SB02	181011	13.79				
B-202-SB01	183854	13.79				
VN0603WBL01	202290	13.79				
VN0603WBS01	208414	13.79				
VN0603WBSD01	192303	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:	VN0603WBL01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBL01	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086836.D	1		06/03/25 12:10	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257000	8.218			
540-36-3	1,4-Difluorobenzene	494000	9.094			
3114-55-4	Chlorobenzene-d5	461000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	202000	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:	VN0603WBS01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBS01	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086837.D	1		06/03/25 12:46	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.7		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	5.00	ug/L
78-93-3	2-Butanone	94.0		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	5.00	ug/L
67-66-3	Chloroform	18.3		0.25	5.00	ug/L
71-43-2	Benzene	19.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	15.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	312000	8.218			
540-36-3	1,4-Difluorobenzene	553000	9.094			
3114-55-4	Chlorobenzene-d5	468000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	208000	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:	VN0603WBSD01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% 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
VN086838.D	1		06/03/25 13:20	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.1		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	5.00	ug/L
78-93-3	2-Butanone	94.6		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	5.00	ug/L
67-66-3	Chloroform	18.2		0.25	5.00	ug/L
71-43-2	Benzene	18.8		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.9		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	15.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.218			
540-36-3	1,4-Difluorobenzene	510000	9.094			
3114-55-4	Chlorobenzene-d5	431000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	192000	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

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_N Calibration Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:31 18:32

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

LAB FILE ID: RRF001 = VN086669.D RRF005 = VN086670.D RRF010 = VN086671.D
RRF020 = VN086672.D RRF050 = VN086673.D RRF100 = VN086674.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Vinyl Chloride	0.655	0.708	0.780	0.713	0.753	0.792	0.733	7
1,1-Dichloroethene	0.531	0.563	0.563	0.557	0.548	0.583	0.558	3.1
2-Butanone	0.361	0.404	0.398	0.414	0.402	0.418	0.399	5.1
Carbon Tetrachloride	0.384	0.438	0.430	0.460	0.430	0.454	0.433	6.2
Chloroform	1.061	1.146	1.109	1.173	1.093	1.133	1.119	3.5
Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.7
1,2-Dichloroethane	0.413	0.457	0.451	0.467	0.438	0.452	0.446	4.2
Trichloroethene	0.306	0.341	0.358	0.361	0.343	0.365	0.346	6.3
Tetrachloroethene	0.357	0.396	0.392	0.392	0.369	0.392	0.383	4.2
Chlorobenzene	1.030	1.112	1.109	1.138	1.060	1.130	1.096	3.9
1,2-Dichloroethane-d4		0.718	0.658	0.687	0.693	0.698	0.691	3.2
Dibromofluoromethane		0.300	0.289	0.291	0.298	0.311	0.298	3
Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	5
4-Bromofluorobenzene		0.412	0.403	0.433	0.450	0.481	0.436	7.2

* 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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_N Calibration Date/Time: 06/03/2025 11:30

Lab File ID: VN086835.D Init. Calib. Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 16:31 18:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.733	0.619		-15.55	20
1,1-Dichloroethene	0.558	0.513		-8.06	20
2-Butanone	0.399	0.374		-6.27	20
Carbon Tetrachloride	0.433	0.409		-5.54	20
Chloroform	1.119	1.032		-7.78	20
Benzene	1.433	1.362		-4.95	20
1,2-Dichloroethane	0.446	0.408		-8.52	20
Trichloroethene	0.346	0.320		-7.51	20
Tetrachloroethene	0.383	0.305		-20.37	20
Chlorobenzene	1.096	1.058	0.3	-3.47	20
1,2-Dichloroethane-d4	0.691	0.613		-11.29	20
Dibromofluoromethane	0.298	0.292		-2.01	20
Toluene-d8	1.234	1.163		-5.75	20
4-Bromofluorobenzene	0.436	0.409		-6.19	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\VN060325\
Data File : VN086855.D
Acq On : 03 Jun 2025 20:12
Operator : JC\MD
Sample : Q2177-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Quant Time: Jun 04 02:06:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

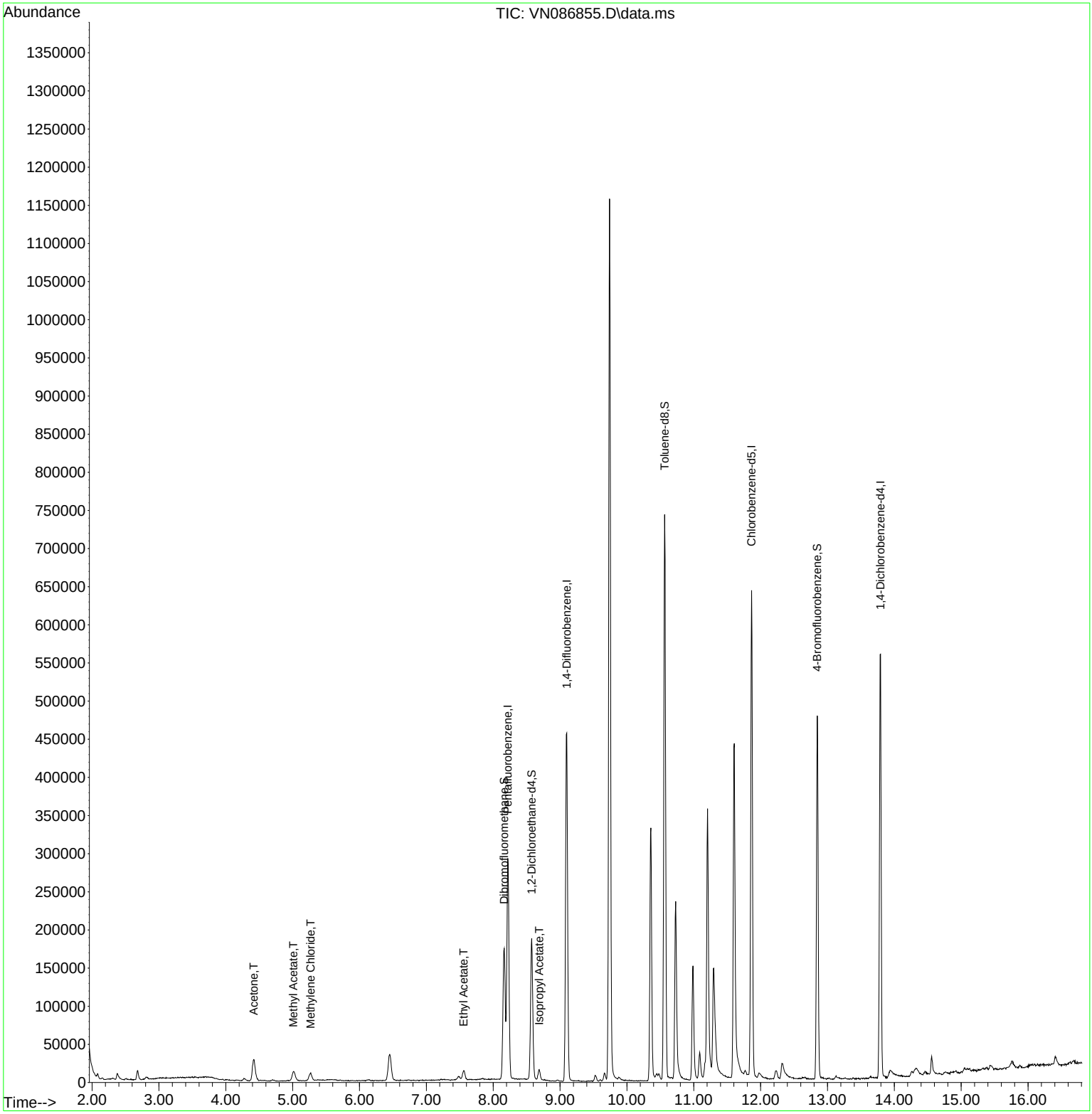
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	220507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	163382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152038	49.898	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.800%			
35) Dibromofluoromethane	8.165	113	134789	52.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.640%			
50) Toluene-d8	10.565	98	539671	51.030	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.060%			
62) 4-Bromofluorobenzene	12.847	95	190230	50.943	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.880%			
Target Compounds						Qvalue
16) Acetone	4.418	43	55936	49.076	ug/l	98
18) Methyl Acetate	5.012	43	28263	8.860	ug/l	99
20) Methylene Chloride	5.271	84	8493	2.824	ug/l	95
37) Ethyl Acetate	7.559	43	18707	4.920	ug/l	98
43) Isopropyl Acetate	8.688	43	15645	2.052	ug/l	94

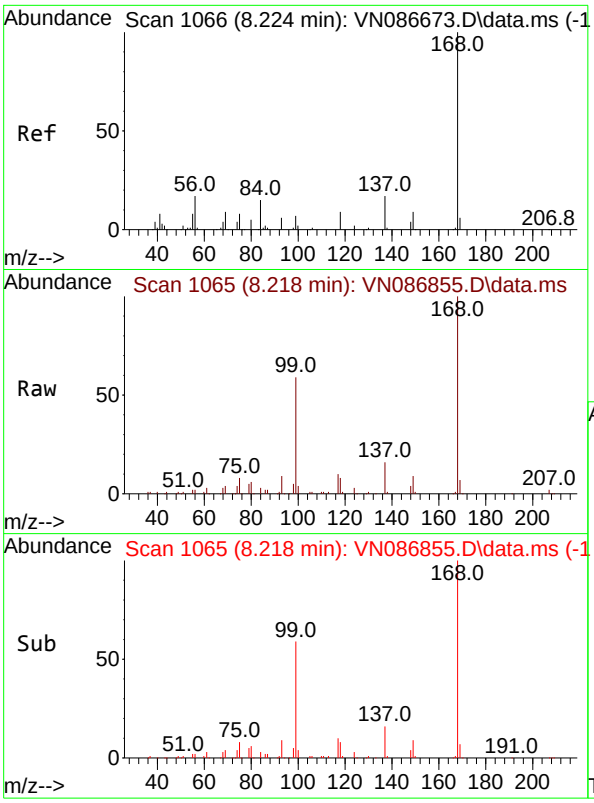
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086855.D
Acq On : 03 Jun 2025 20:12
Operator : JC\MD
Sample : Q2177-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Quant Time: Jun 04 02:06:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration



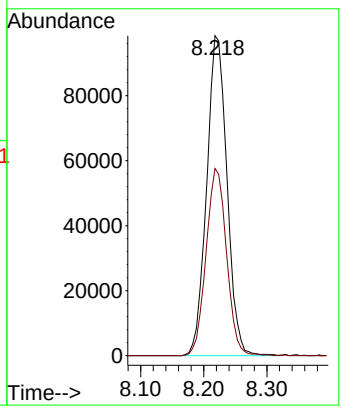


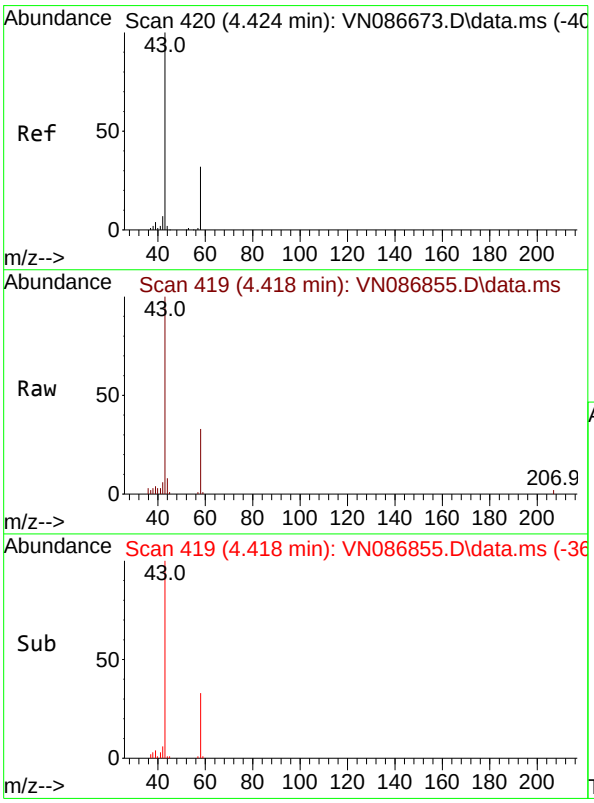
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion:168 Resp: 220507

Ion	Ratio	Lower	Upper
168	100		
99	58.5	47.0	70.4

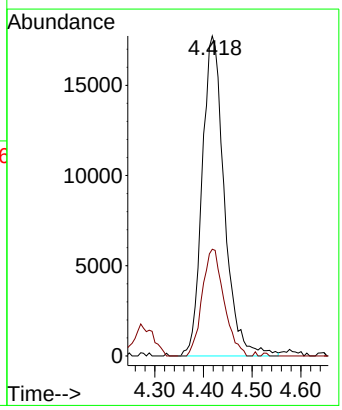


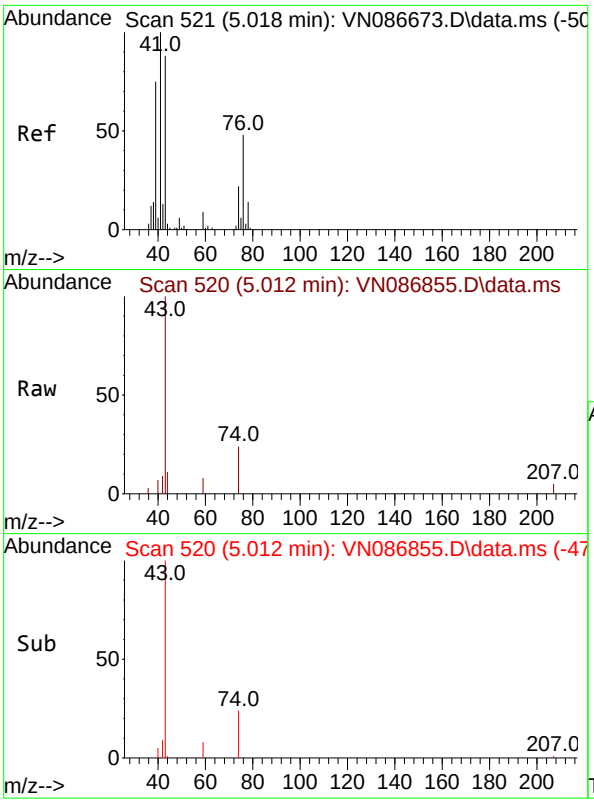


#16
Acetone
Concen: 49.076 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion: 43 Resp: 55936

Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.8	38.6



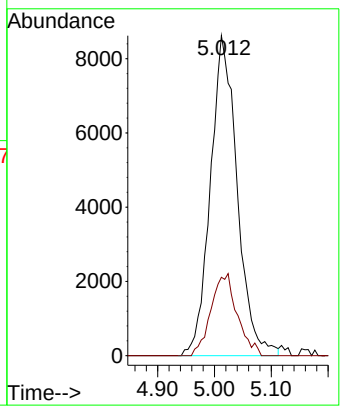


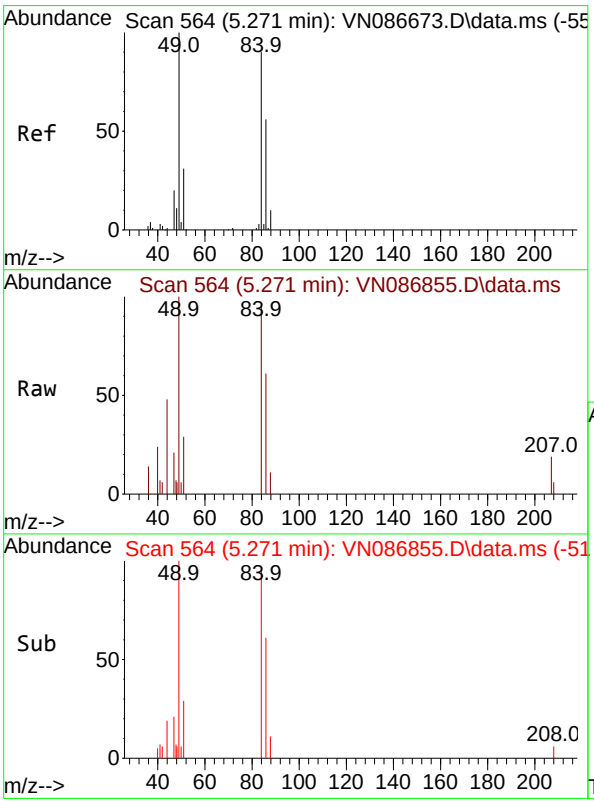
#18
Methyl Acetate
Concen: 8.860 ug/l
RT: 5.012 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion: 43 Resp: 28263

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.5	30.7

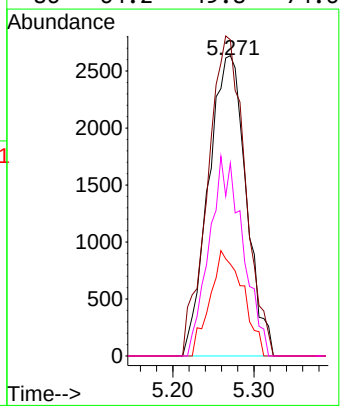


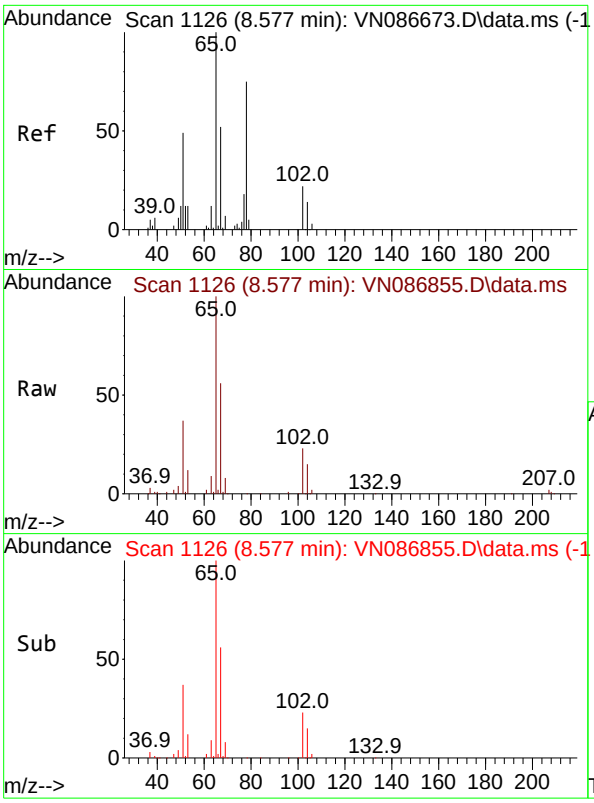


#20
Methylene Chloride
Concen: 2.824 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion: 84 Resp: 8493

Ion	Ratio	Lower	Upper
84	100		
49	105.2	88.8	133.2
51	30.6	27.8	41.6
86	64.2	49.8	74.6



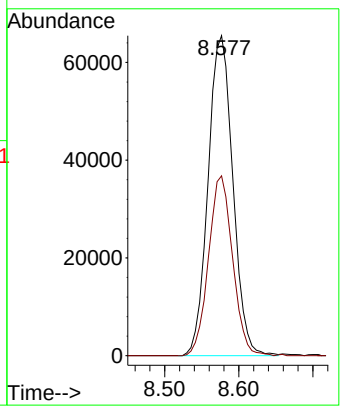


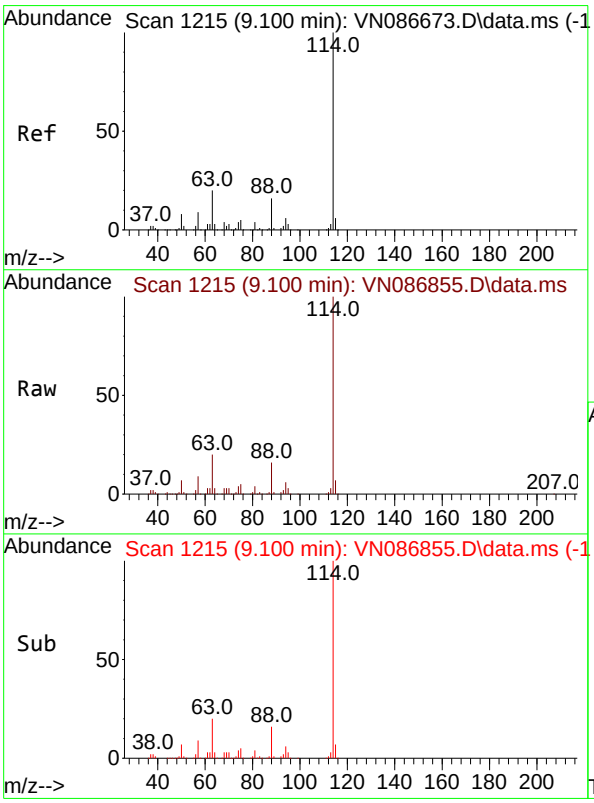
#33
1,2-Dichloroethane-d4
Concen: 49.898 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion: 65 Resp: 152038

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	106.4

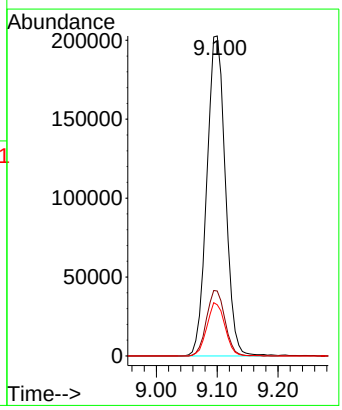


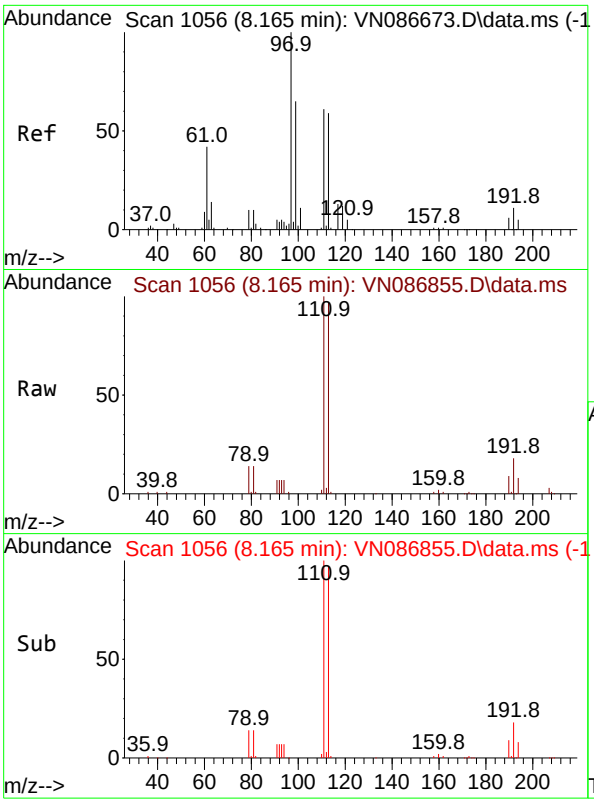


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion:114 Resp: 428516

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	16.0	0.0	31.2



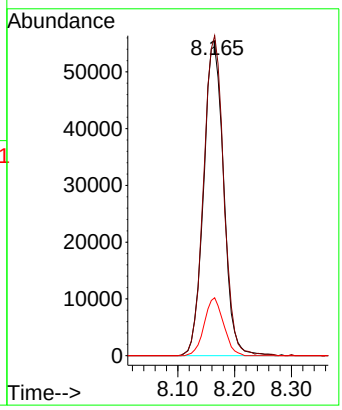


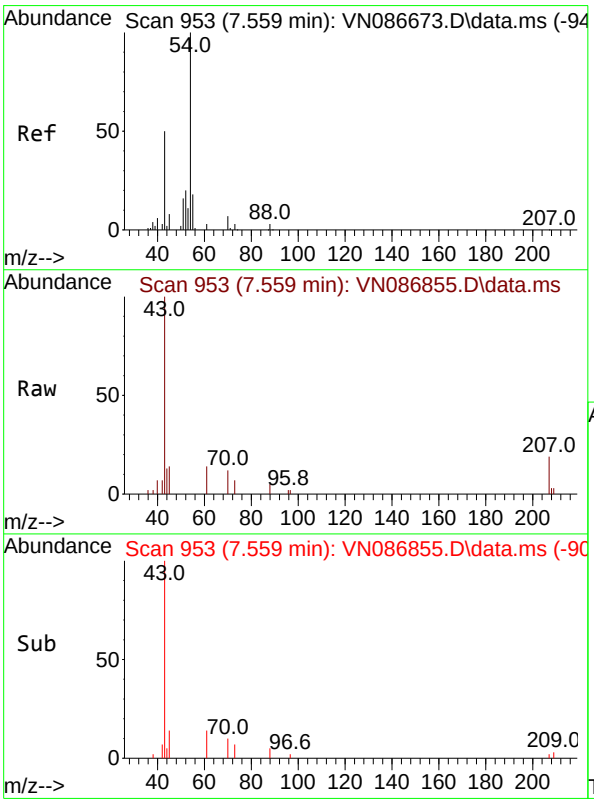
#35
Dibromofluoromethane
Concen: 52.817 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion:113 Resp: 134789

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	17.8	13.8	20.8

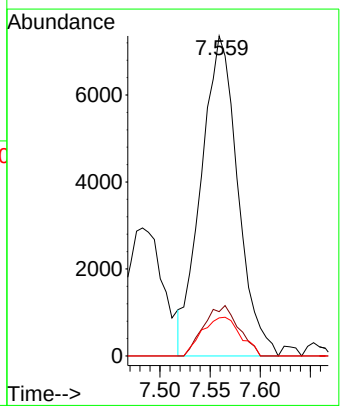


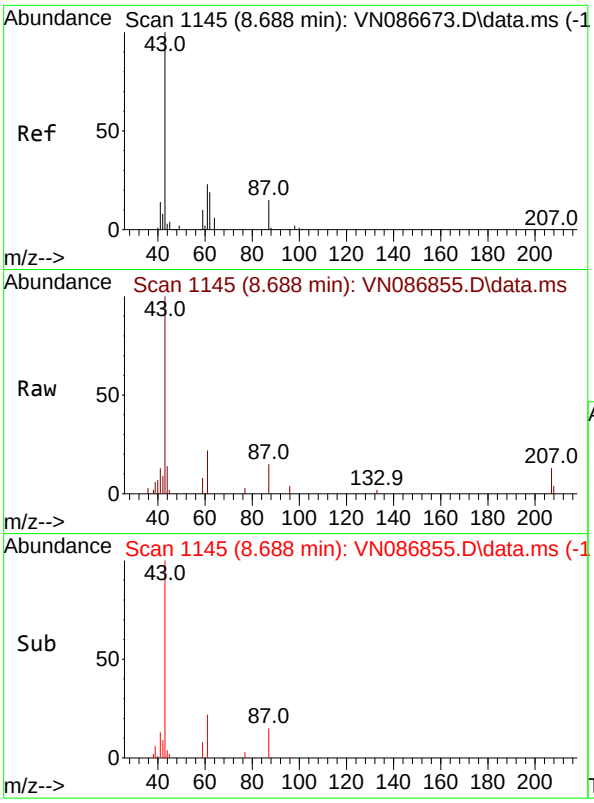


#37
Ethyl Acetate
Concen: 4.920 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion: 43 Resp: 18707

Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.6	17.4
70	12.6	9.4	14.0



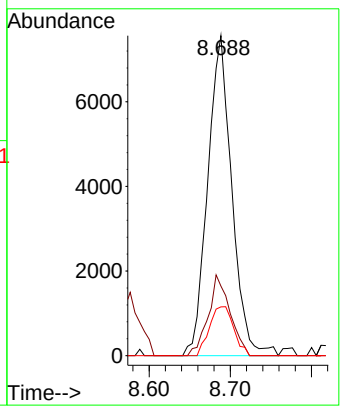


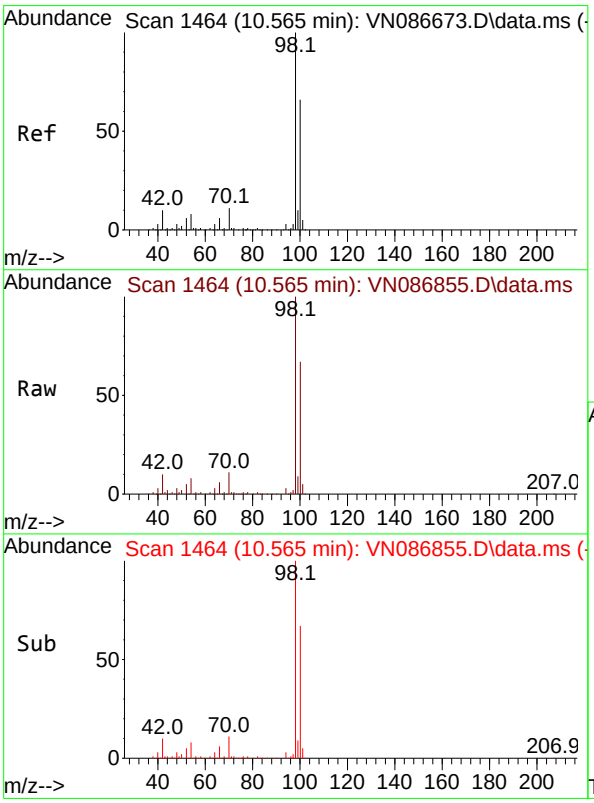
#43
Isopropyl Acetate
Concen: 2.052 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion: 43 Resp: 15645

Ion	Ratio	Lower	Upper
43	100		
61	22.8	21.4	32.2
87	15.4	11.1	16.7

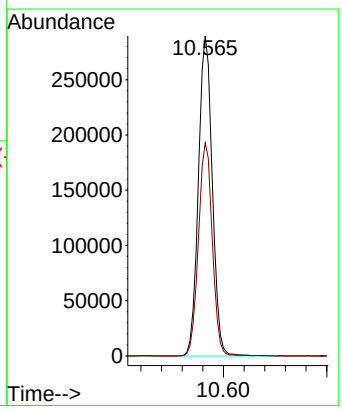


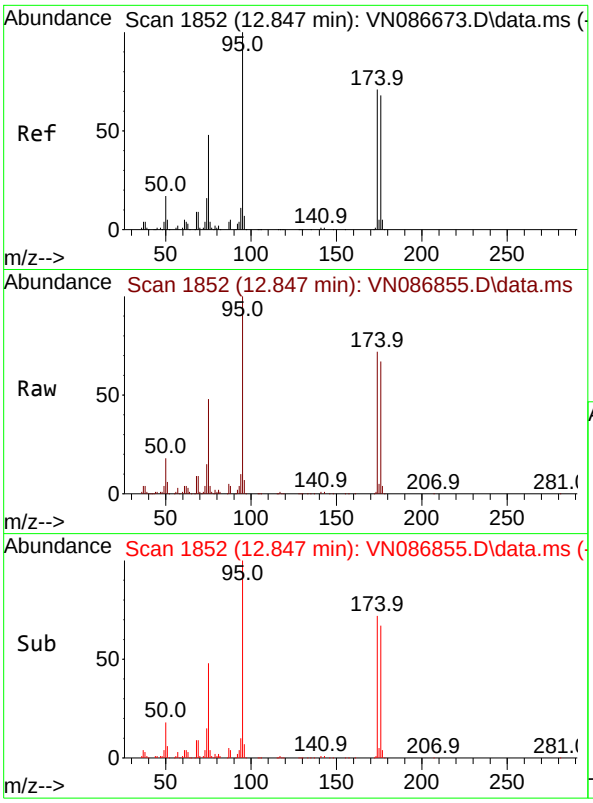


#50
Toluene-d8
Concen: 51.030 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion: 98 Resp: 539671

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3



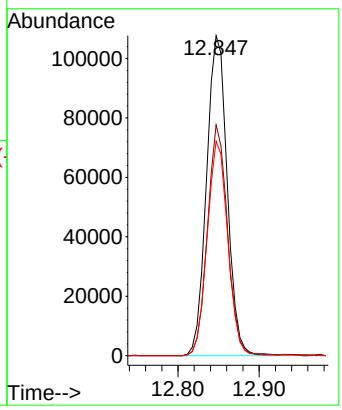


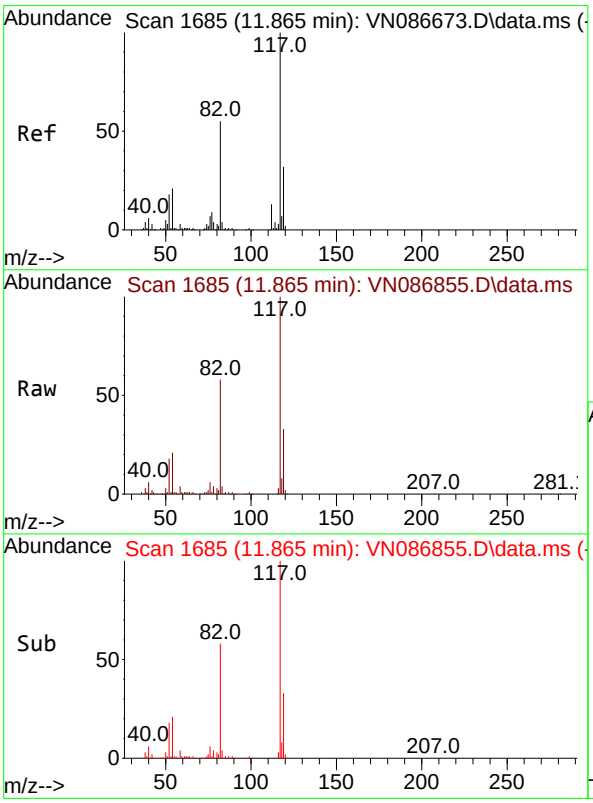
#62
4-Bromofluorobenzene
Concen: 50.943 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion: 95 Resp: 190230

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	145.4
176	66.8	0.0	137.8

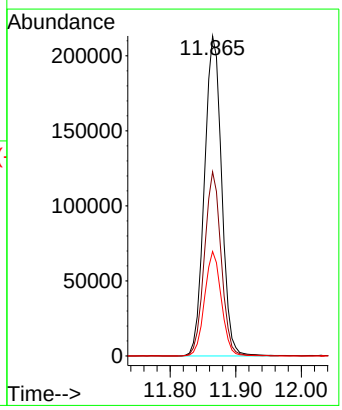


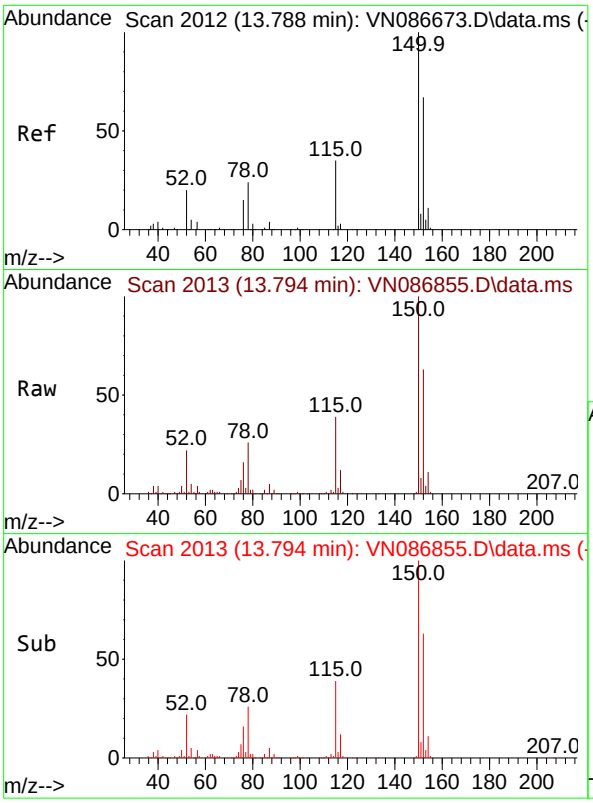


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion:117 Resp: 389120

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.2	66.2
119	32.6	25.4	38.2



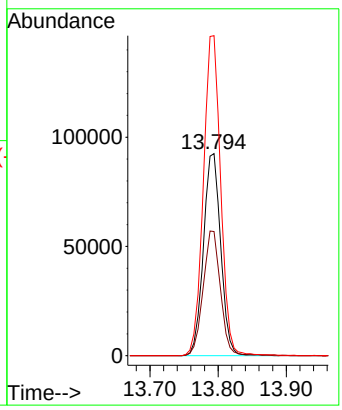


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Tgt Ion:152 Resp: 163382

Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.0	90.1
150	158.5	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086856.D
Acq On : 03 Jun 2025 20:36
Operator : JC\MD
Sample : Q2177-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Quant Time: Jun 04 03:34:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

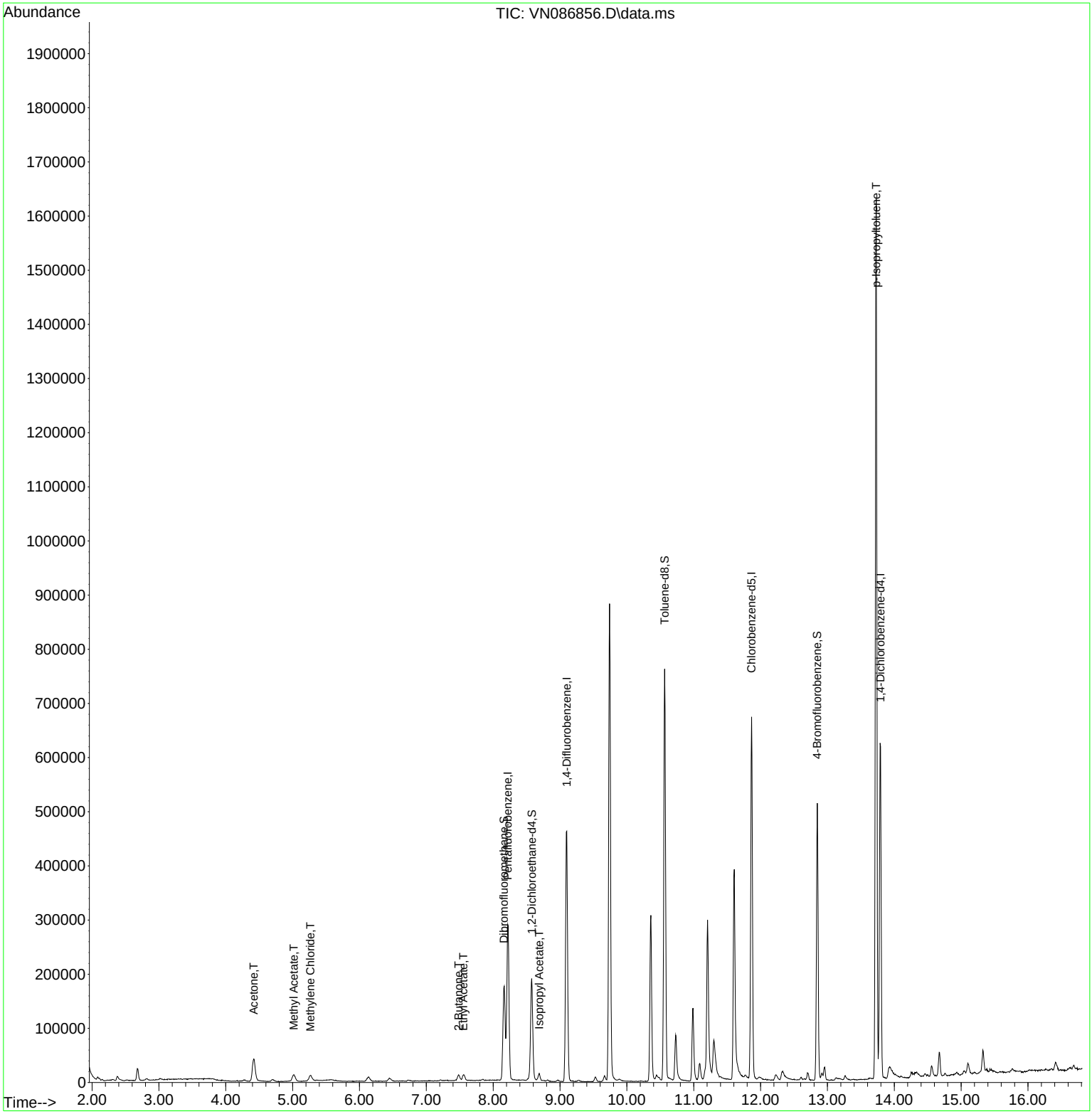
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	221135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154873	50.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.360%			
35) Dibromofluoromethane	8.159	113	135623	53.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.565	98	551649	52.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.847	95	198824	53.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.500%			
Target Compounds						Qvalue
16) Acetone	4.418	43	81184	71.025	ug/l	95
18) Methyl Acetate	5.018	43	27122	8.478	ug/l	98
20) Methylene Chloride	5.265	84	8811	2.921	ug/l	92
25) 2-Butanone	7.483	43	18128	10.263	ug/l	97
37) Ethyl Acetate	7.553	43	16457	4.328	ug/l	98
43) Isopropyl Acetate	8.688	43	13913	1.825	ug/l	94
86) p-Isopropyltoluene	13.729	119	985932	91.836	ug/l	100

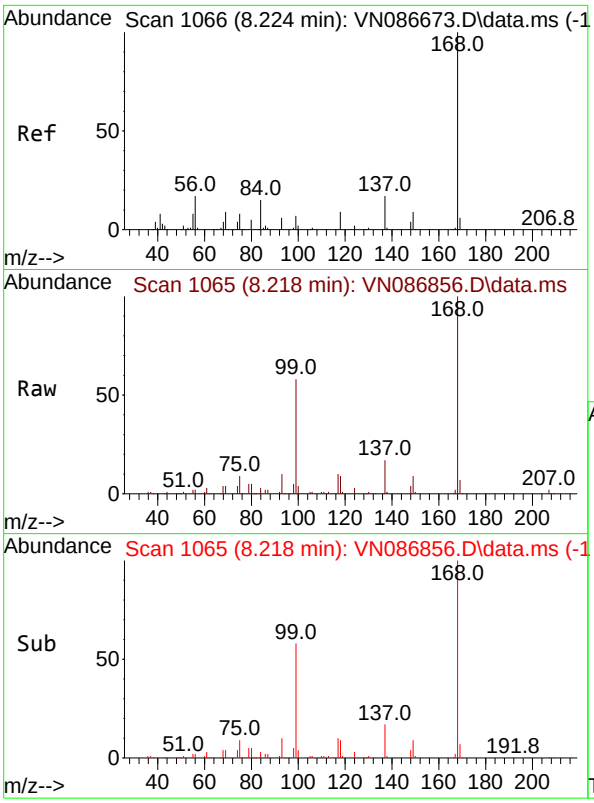
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086856.D
Acq On : 03 Jun 2025 20:36
Operator : JC\MD
Sample : Q2177-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Quant Time: Jun 04 03:34:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration



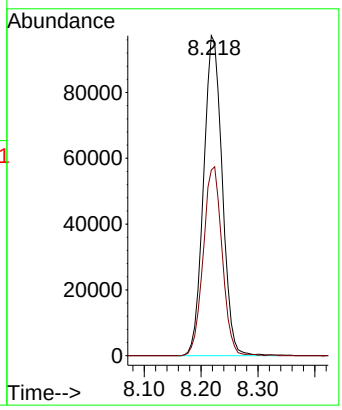


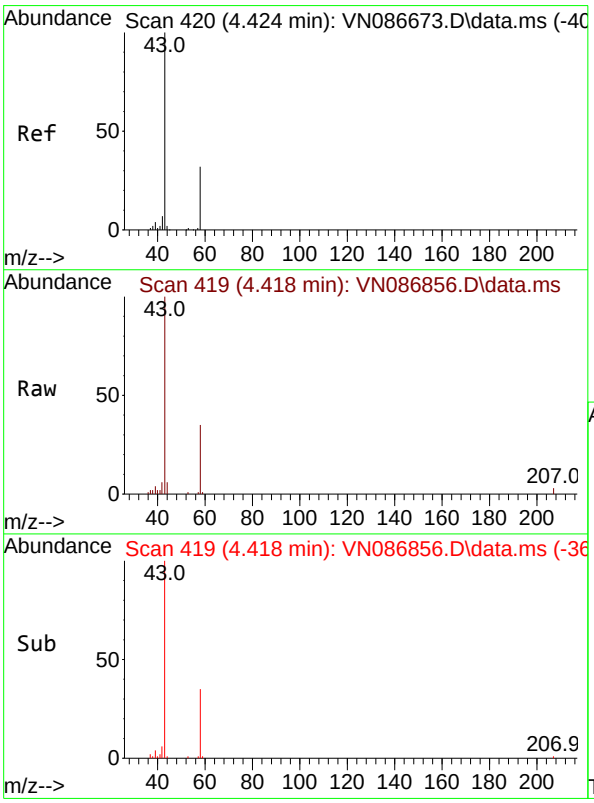
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion:168 Resp: 221135

Ion	Ratio	Lower	Upper
168	100		
99	58.0	47.0	70.4

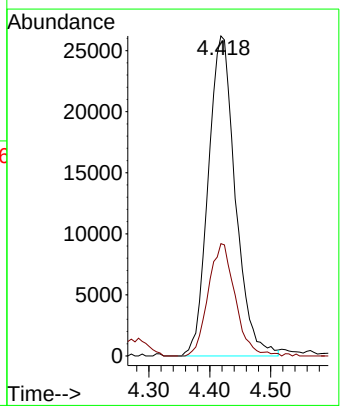


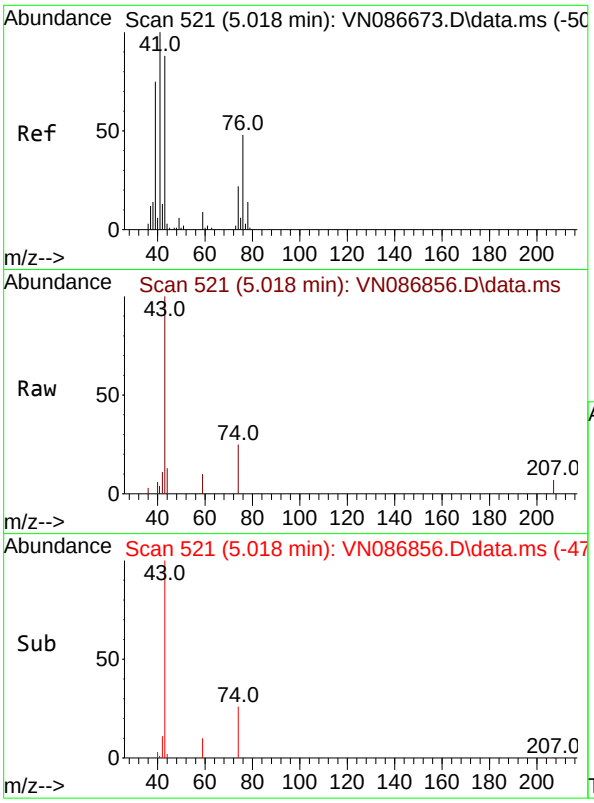


#16
Acetone
Concen: 71.025 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 43 Resp: 81184

Ion	Ratio	Lower	Upper
43	100		
58	35.1	25.8	38.6



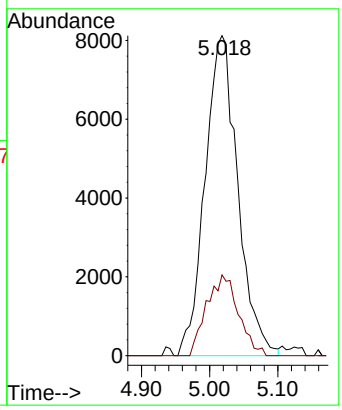


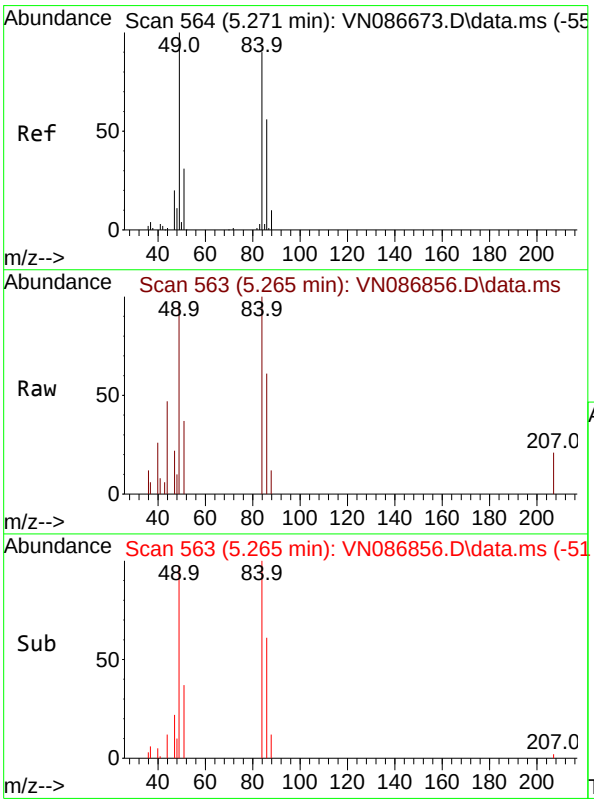
#18
Methyl Acetate
Concen: 8.478 ug/l
RT: 5.018 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion: 43 Resp: 27122

Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.5	30.7

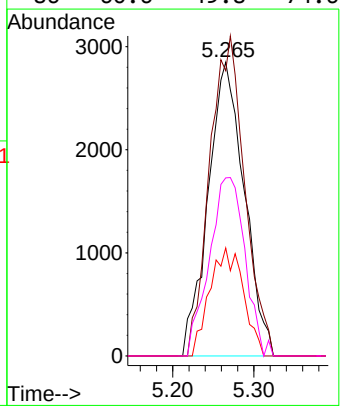


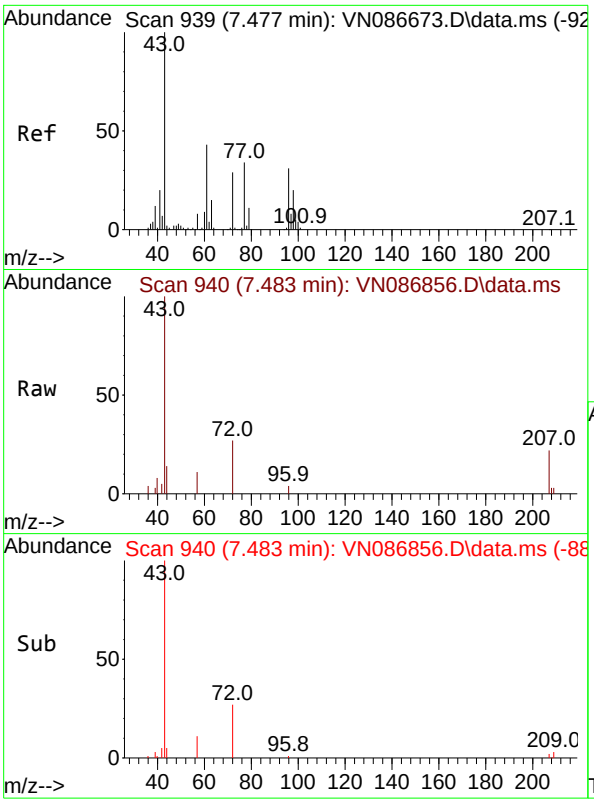


#20
Methylene Chloride
Concen: 2.921 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 84 Resp: 8811

Ion	Ratio	Lower	Upper
84	100		
49	97.2	88.8	133.2
51	36.8	27.8	41.6
86	60.6	49.8	74.6



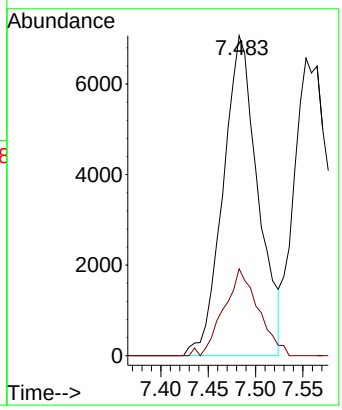


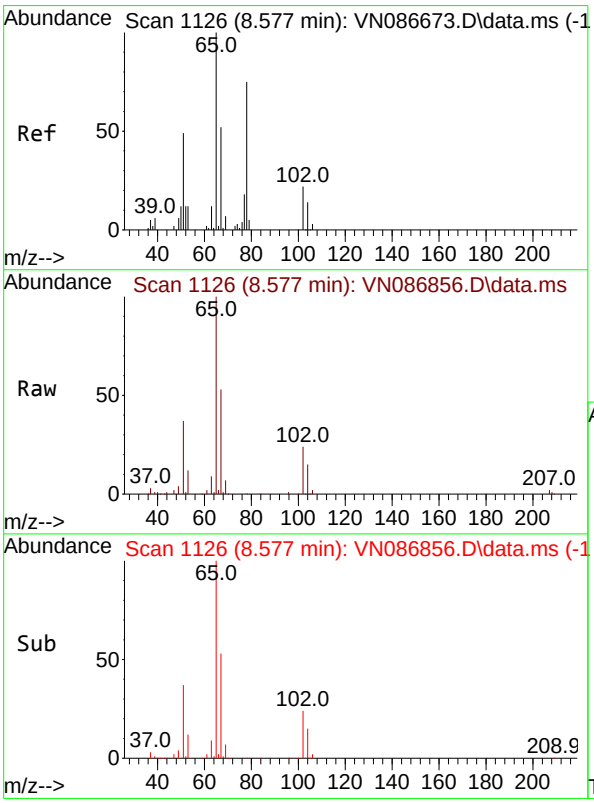
#25
2-Butanone
Concen: 10.263 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion: 43 Resp: 18128

Ion	Ratio	Lower	Upper
43	100		
72	27.2	23.1	34.7

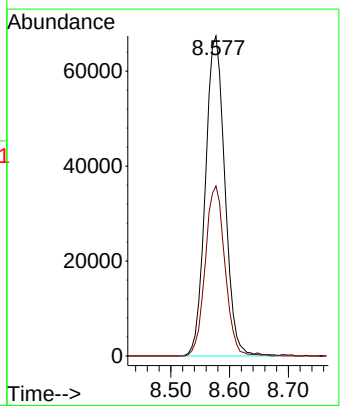


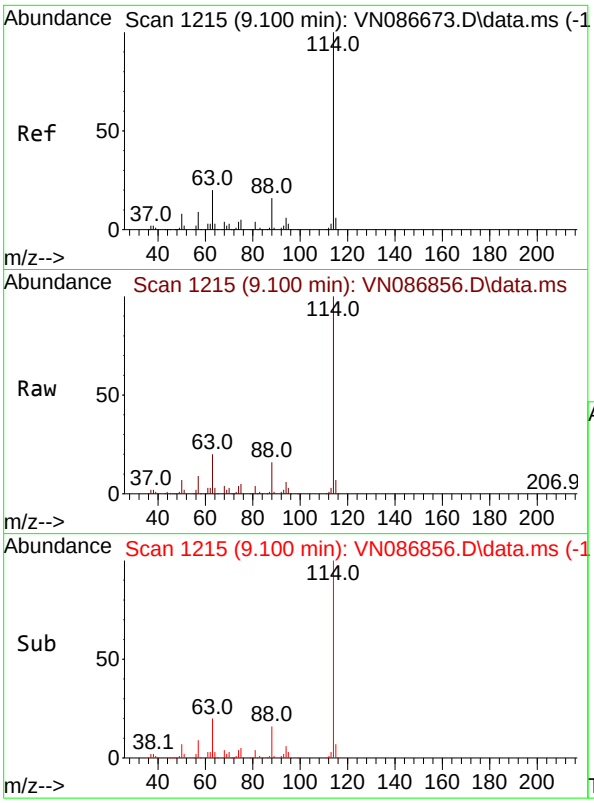


#33
1,2-Dichloroethane-d4
Concen: 50.684 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 65 Resp: 154873

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.4



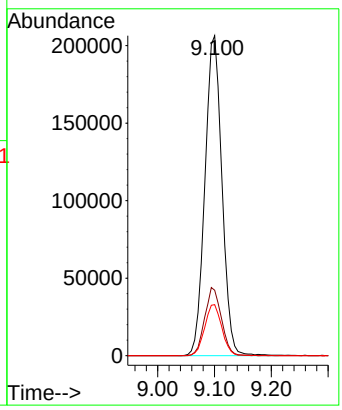


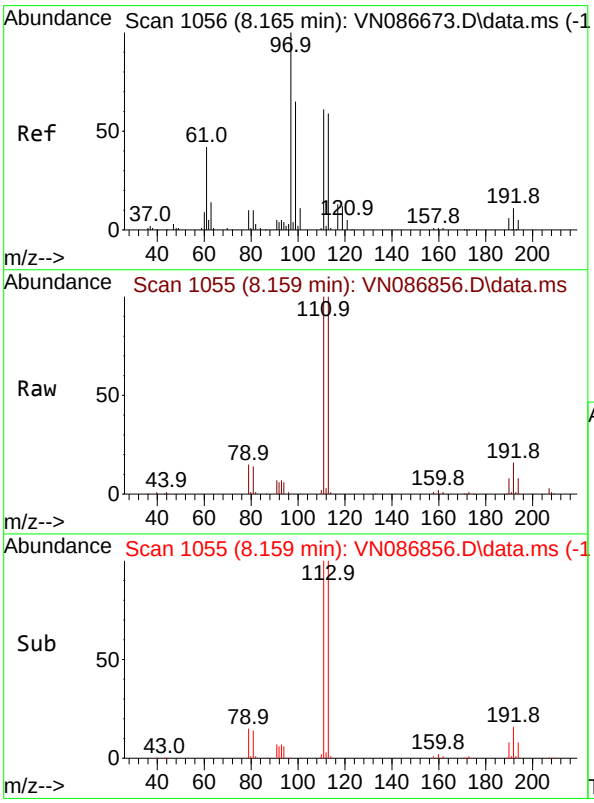
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion:114 Resp: 428494

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.9	0.0	31.2

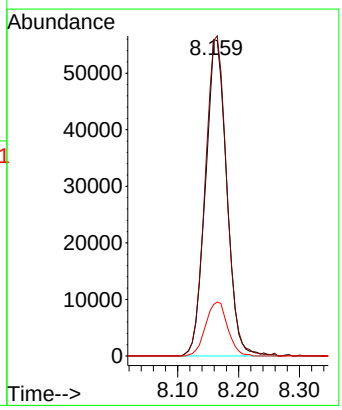


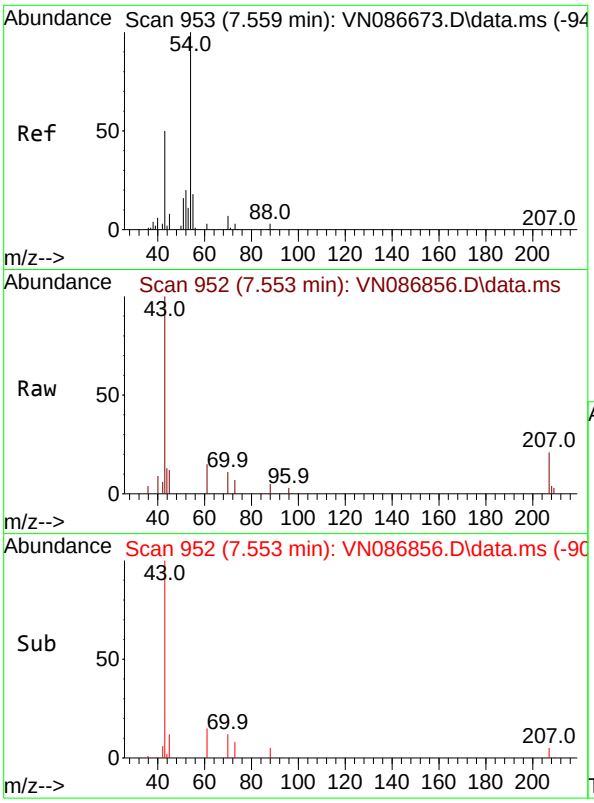


#35
Dibromofluoromethane
Concen: 53.147 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion:113 Resp: 135623

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	17.6	13.8	20.8



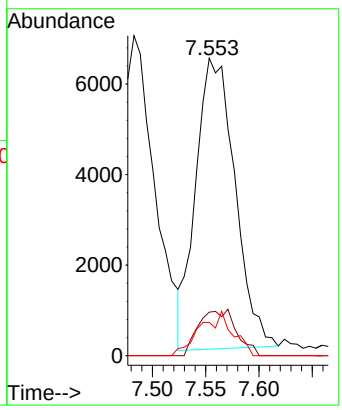


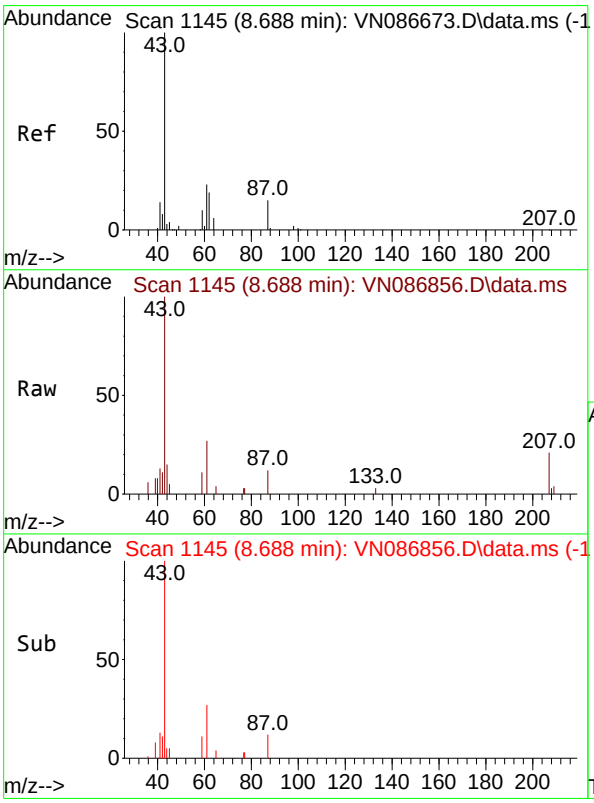
#37
Ethyl Acetate
Concen: 4.328 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion: 43 Resp: 16457

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.6	17.4
70	12.8	9.4	14.0

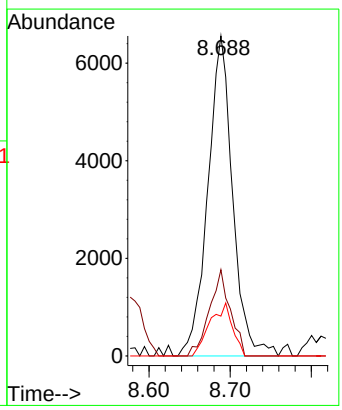


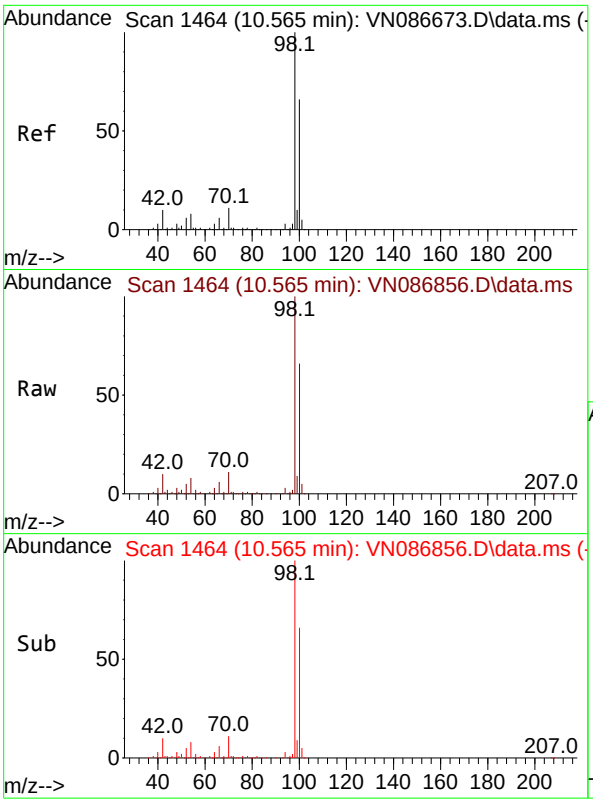


#43
Isopropyl Acetate
Concen: 1.825 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 43 Resp: 13913

Ion	Ratio	Lower	Upper
43	100		
61	22.6	21.4	32.2
87	15.0	11.1	16.7



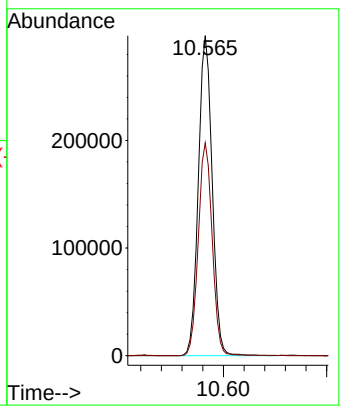


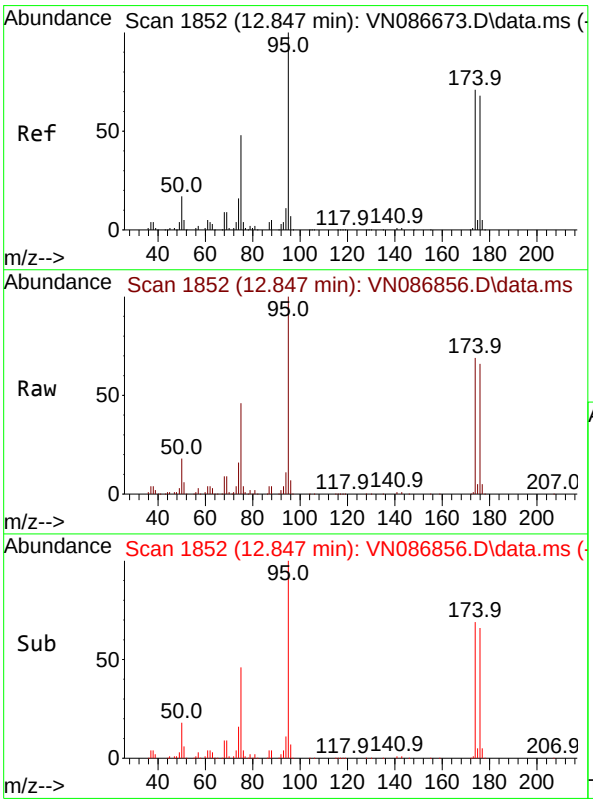
#50
Toluene-d8
Concen: 52.165 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion: 98 Resp: 551649

Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3

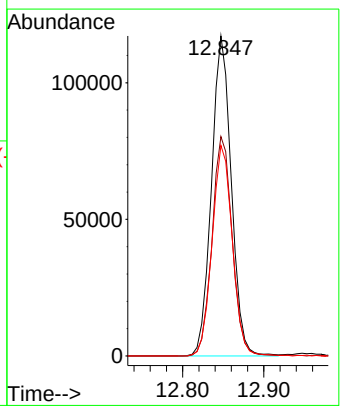


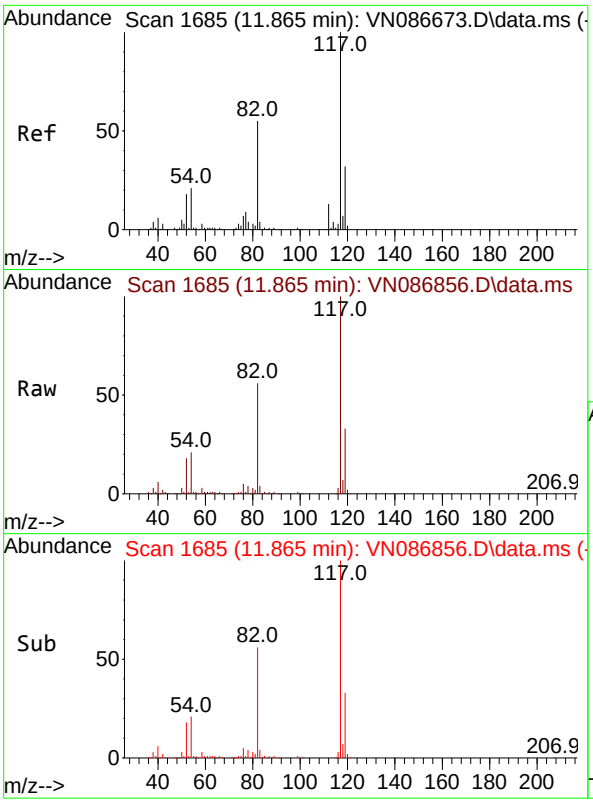


#62
4-Bromofluorobenzene
Concen: 53.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 95 Resp: 198824

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	145.4
176	67.2	0.0	137.8



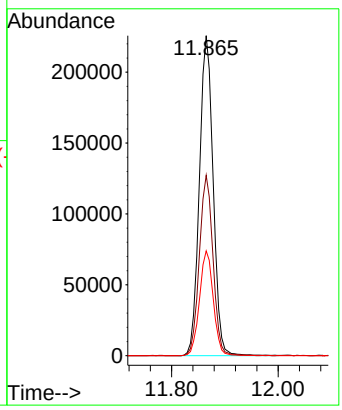


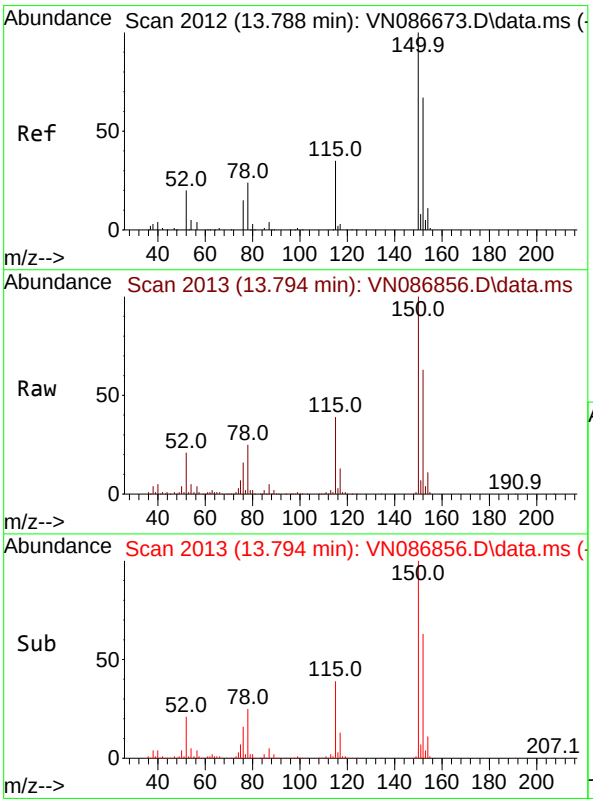
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion:117 Resp: 404884

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.2	66.2
119	32.8	25.4	38.2

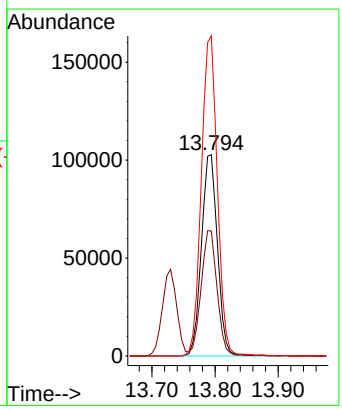


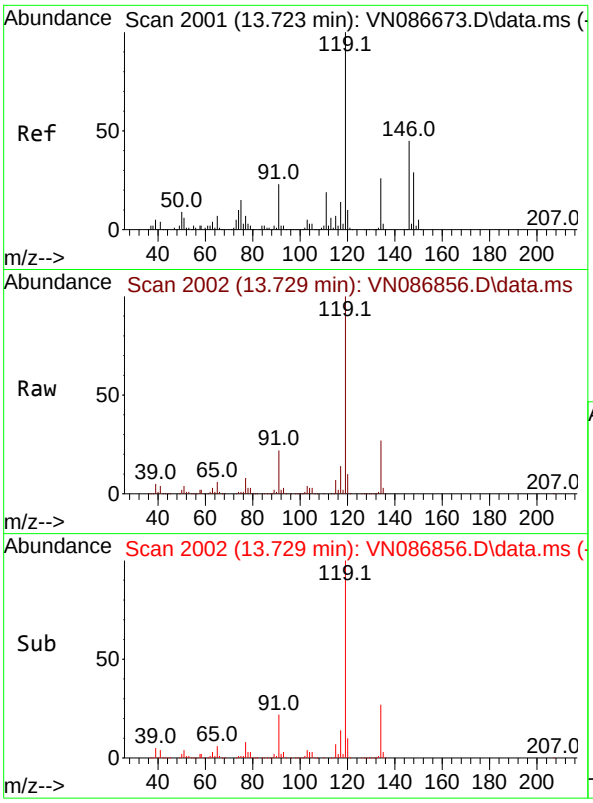


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion:152 Resp: 181011

Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.0	90.1
150	159.1	0.0	347.8



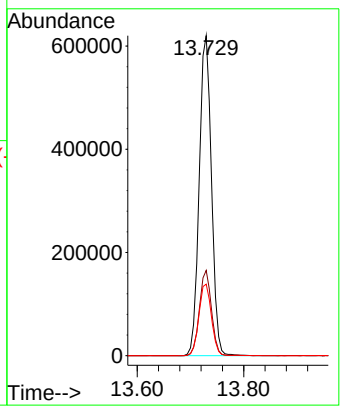


#86
p-Isopropyltoluene
Concen: 91.836 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Tgt Ion:119 Resp: 985932

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	22.9	11.5	34.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086857.D
Acq On : 03 Jun 2025 21:00
Operator : JC\MD
Sample : Q2177-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 04 02:07:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	214739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	418395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	402557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152863	51.516	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.165	113	132479	53.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.340%			
50) Toluene-d8	10.565	98	536776	51.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.847	95	198933	54.562	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						Qvalue
16) Acetone	4.418	43	55602	50.093	ug/l	96
18) Methyl Acetate	5.024	43	27672	8.907	ug/l	99
20) Methylene Chloride	5.277	84	8210m	2.803	ug/l	
37) Ethyl Acetate	7.559	43	20063	5.404	ug/l	99
43) Isopropyl Acetate	8.683	43	15113	2.031	ug/l	94

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

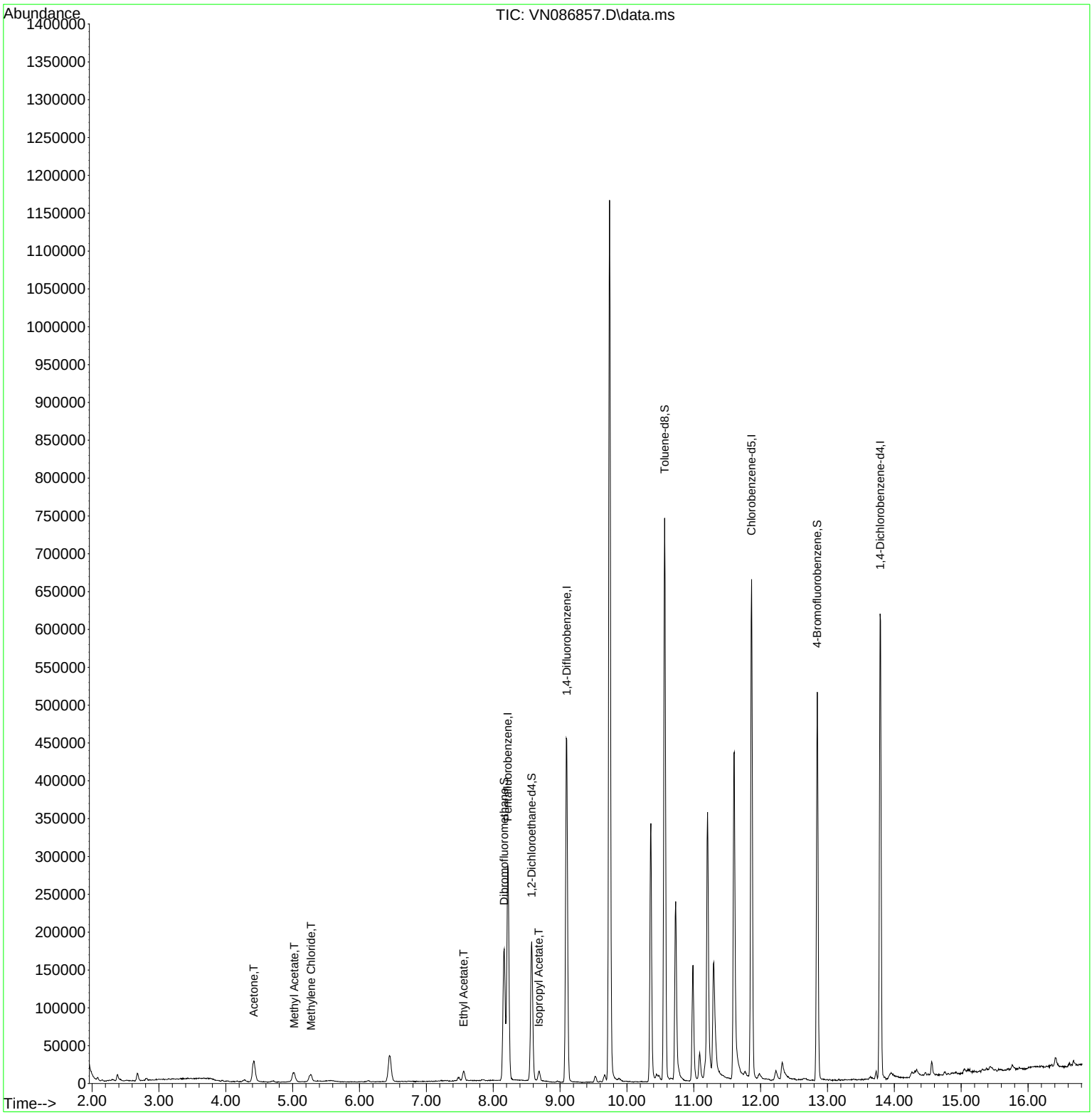
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086857.D
Acq On : 03 Jun 2025 21:00
Operator : JC\MD
Sample : Q2177-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

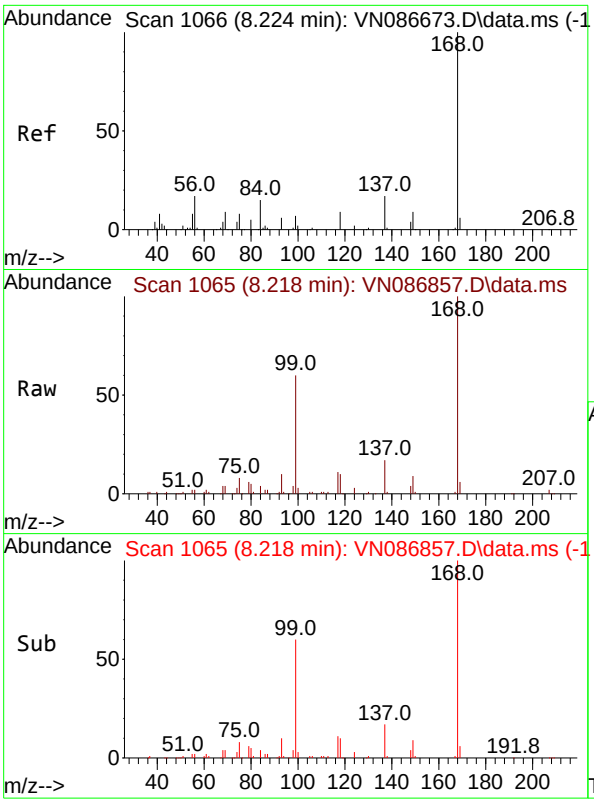
Quant Time: Jun 04 02:07:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

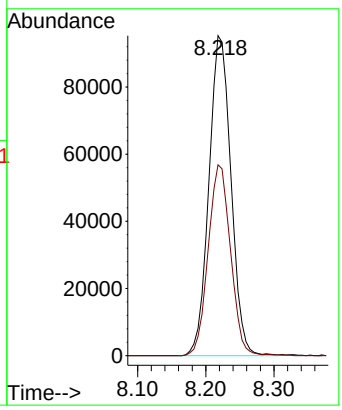




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion:168 Resp: 214739

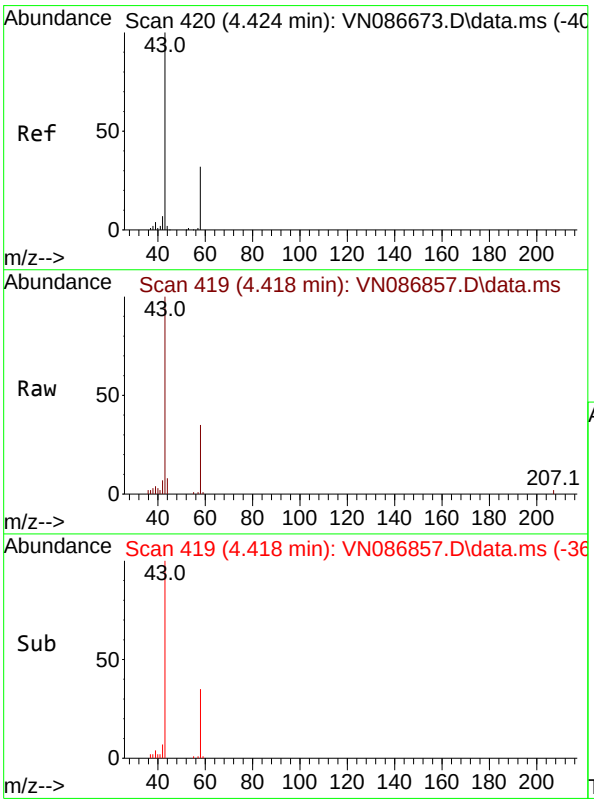
Ion	Ratio	Lower	Upper
168	100		
99	59.6	47.0	70.4



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

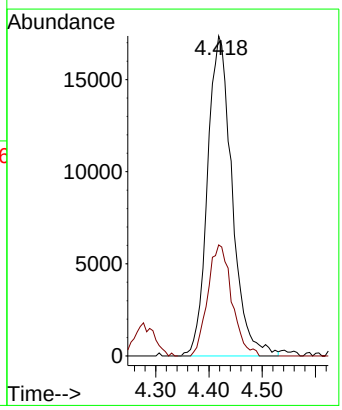
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

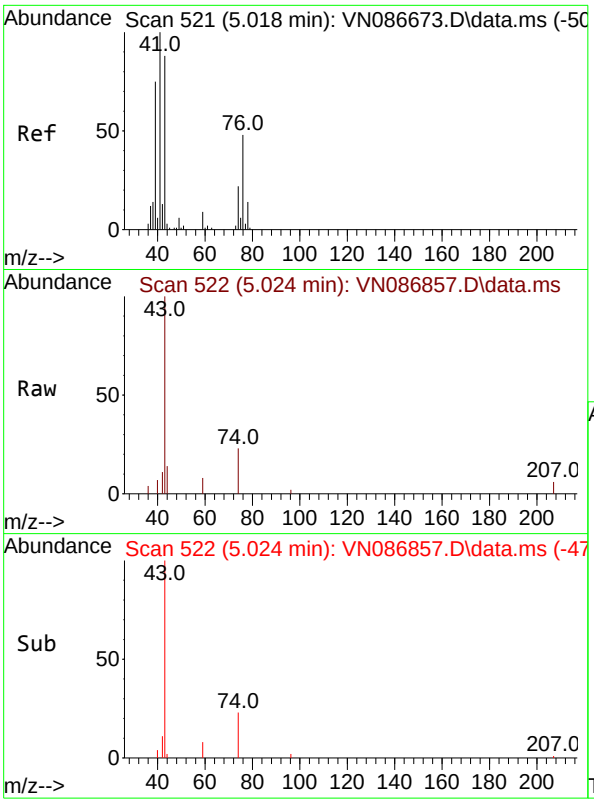


#16
Acetone
Concen: 50.093 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 43 Resp: 55602

Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.8	38.6

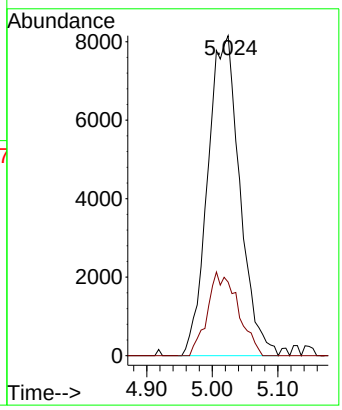




#18
Methyl Acetate
Concen: 8.907 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 43 Resp: 2767

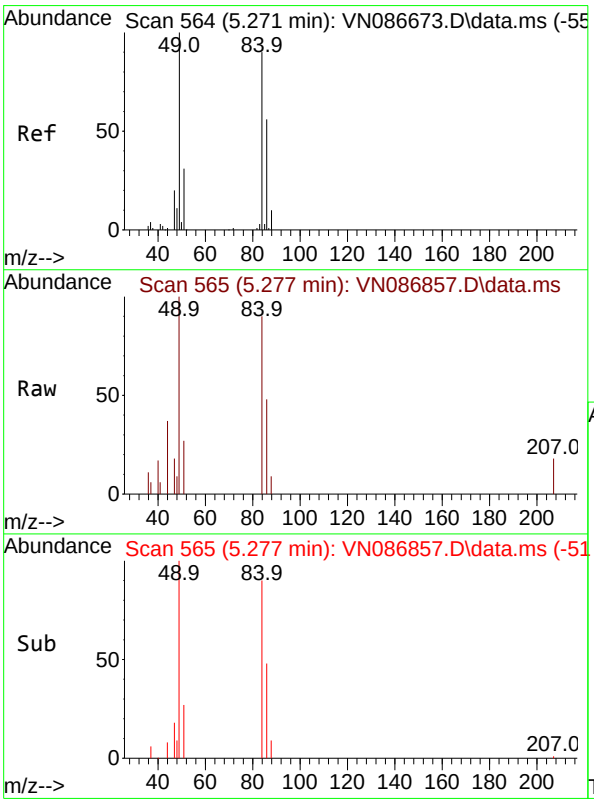
Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.5	30.7



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

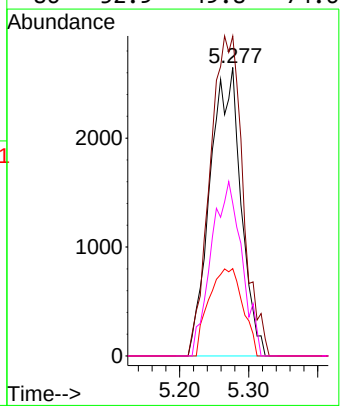
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

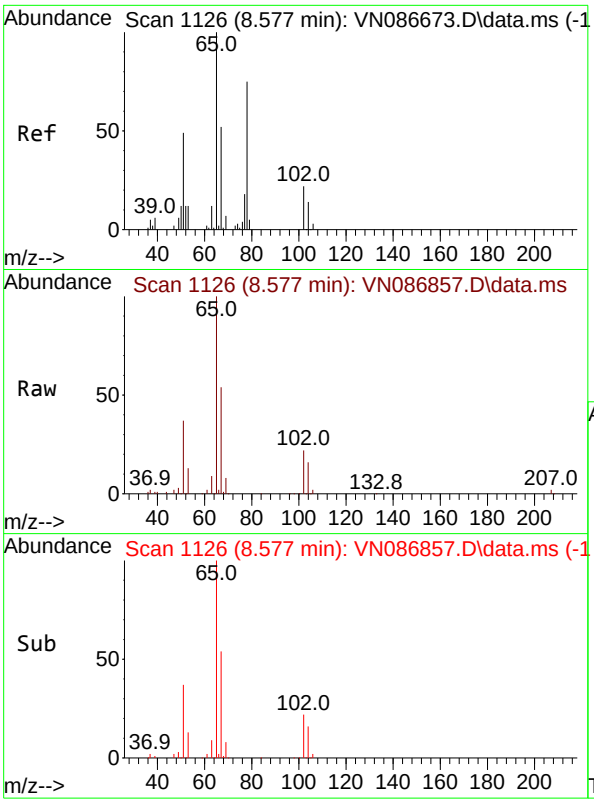


#20
Methylene Chloride
Concen: 2.803 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 84 Resp: 8210

Ion	Ratio	Lower	Upper
84	100		
49	110.9	88.8	133.2
51	30.3	27.8	41.6
86	52.9	49.8	74.6

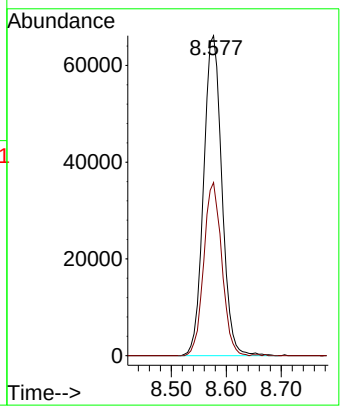




#33
1,2-Dichloroethane-d4
Concen: 51.516 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 65 Resp: 15286

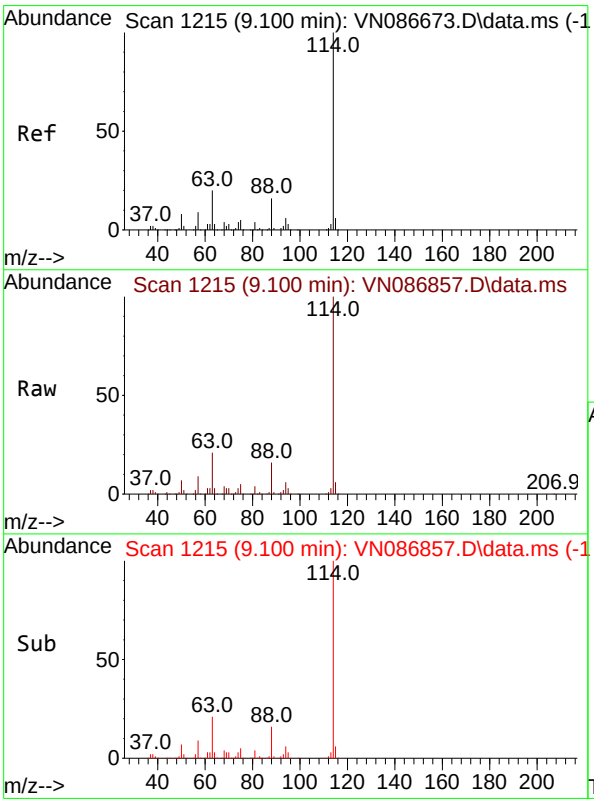
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.4



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

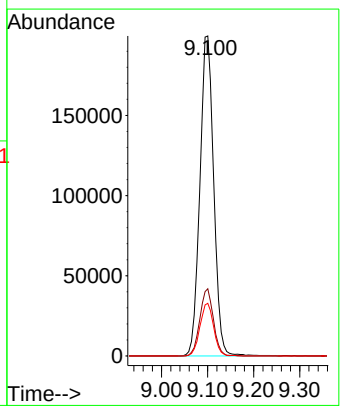
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

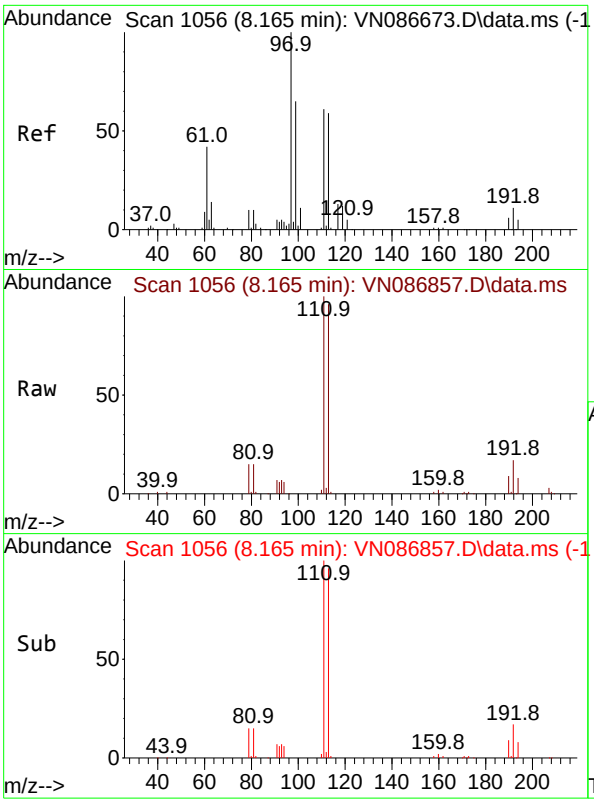


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion:114 Resp: 418395

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	16.5	0.0	31.2

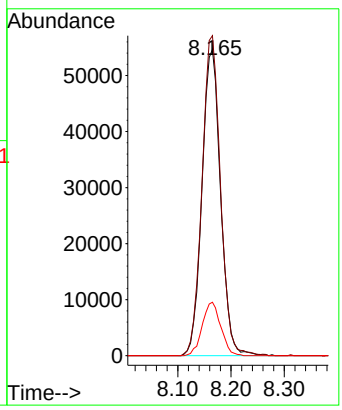




#35
Dibromofluoromethane
Concen: 53.168 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion:113 Resp: 13247

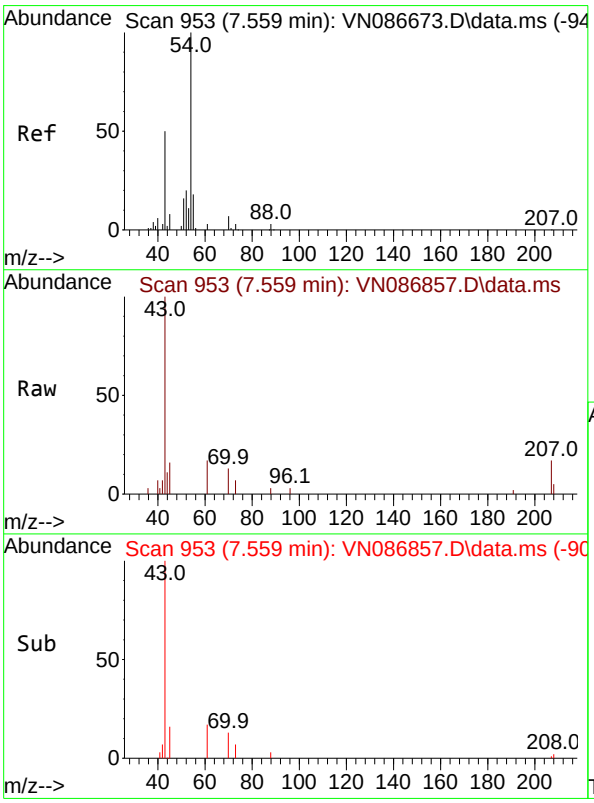
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.2
192	17.4	13.8	20.8



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

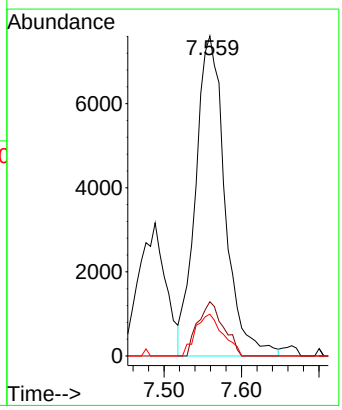
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

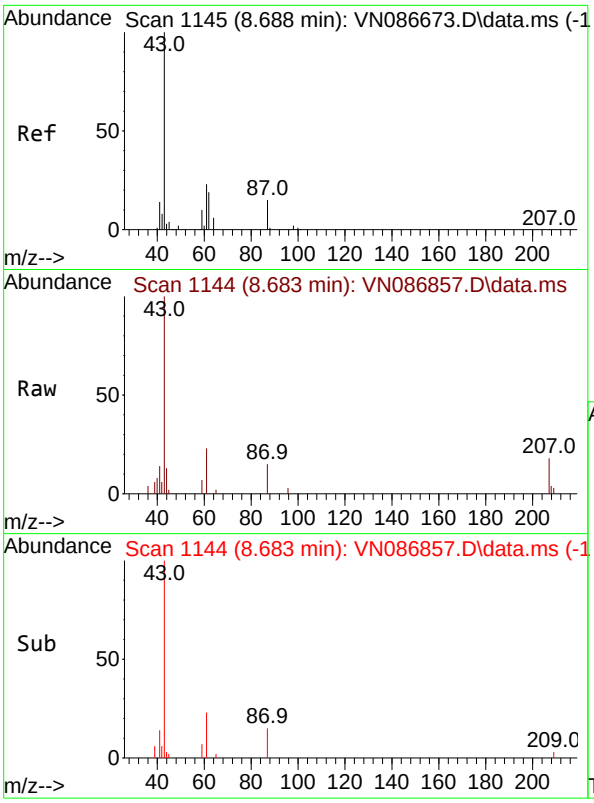


#37
Ethyl Acetate
Concen: 5.404 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 43 Resp: 20063

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.6	17.4
70	12.1	9.4	14.0

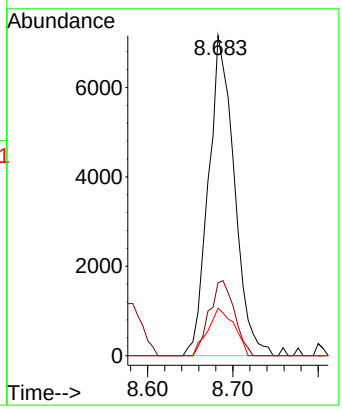




#43
Isopropyl Acetate
Concen: 2.031 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 43 Resp: 1511

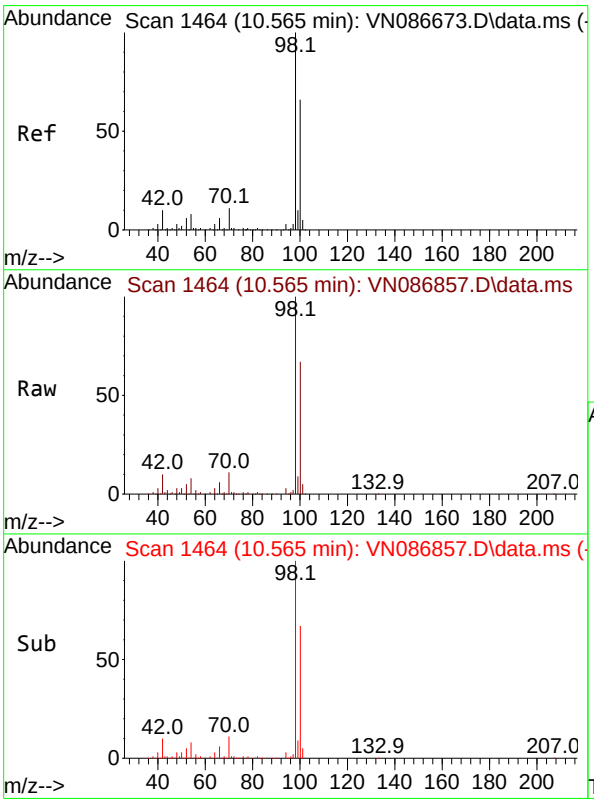
Ion	Ratio	Lower	Upper
43	100		
61	22.7	21.4	32.2
87	15.1	11.1	16.7



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

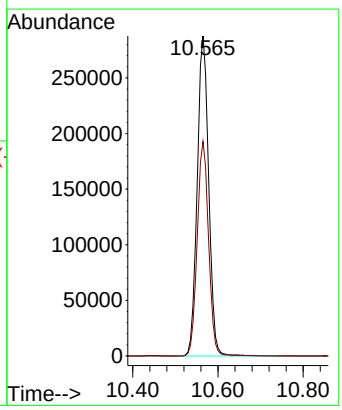
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

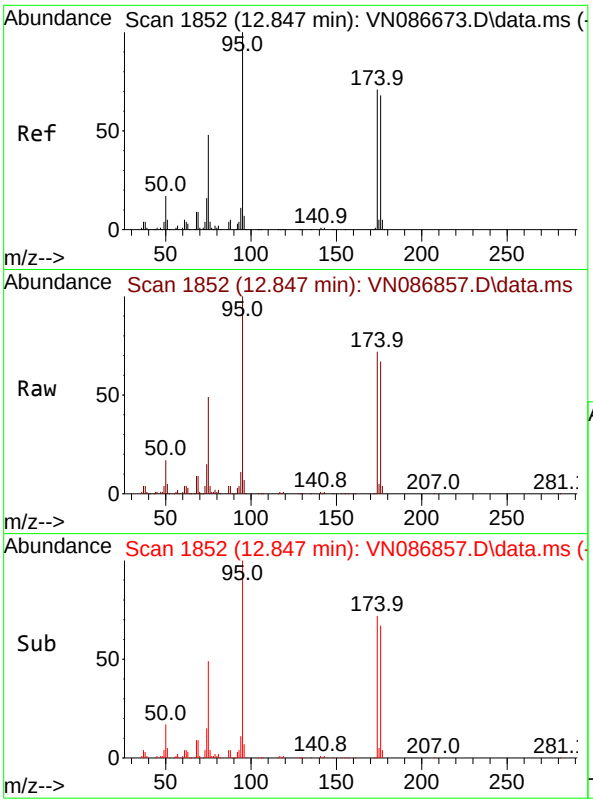


#50
Toluene-d8
Concen: 51.984 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 98 Resp: 536776

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3

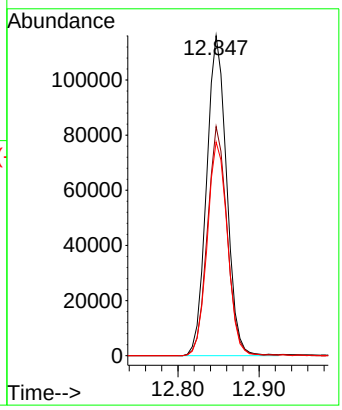




#62
4-Bromofluorobenzene
Concen: 54.562 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 95 Resp: 19893

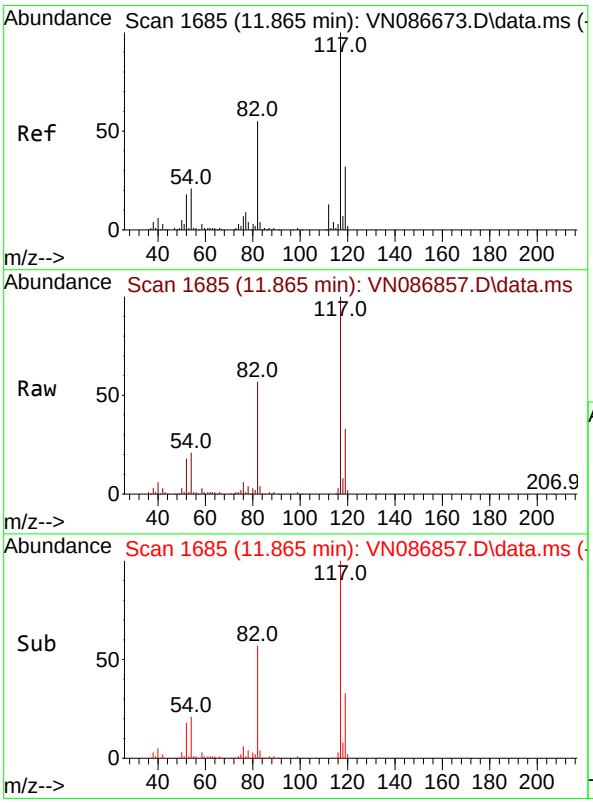
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	145.4
176	67.1	0.0	137.8



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

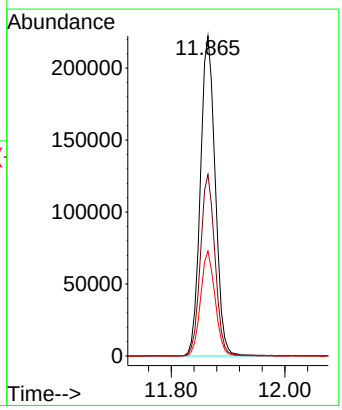
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

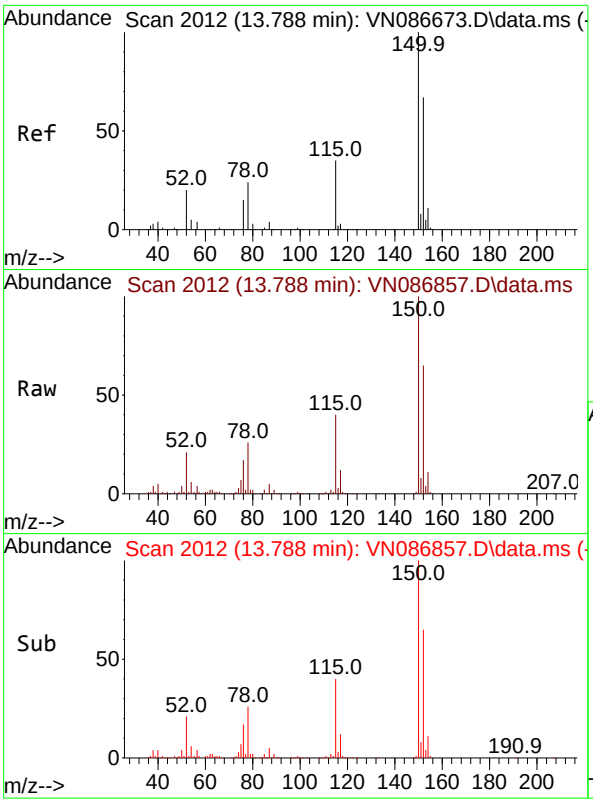


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion:117 Resp: 402557

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.2	66.2
119	32.8	25.4	38.2

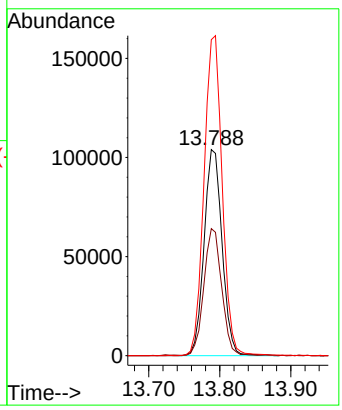




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion:152 Resp: 18385

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.1
150	156.3	0.0	347.8



Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086836.D
Acq On : 03 Jun 2025 12:10
Operator : JC\MD
Sample : VN0603WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Quant Time: Jun 04 01:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	257056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	493879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165463	46.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.160%			
35) Dibromofluoromethane	8.159	113	150868	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	10.565	98	625163	51.290	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.580%			
62) 4-Bromofluorobenzene	12.847	95	227449	52.849	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.700%			

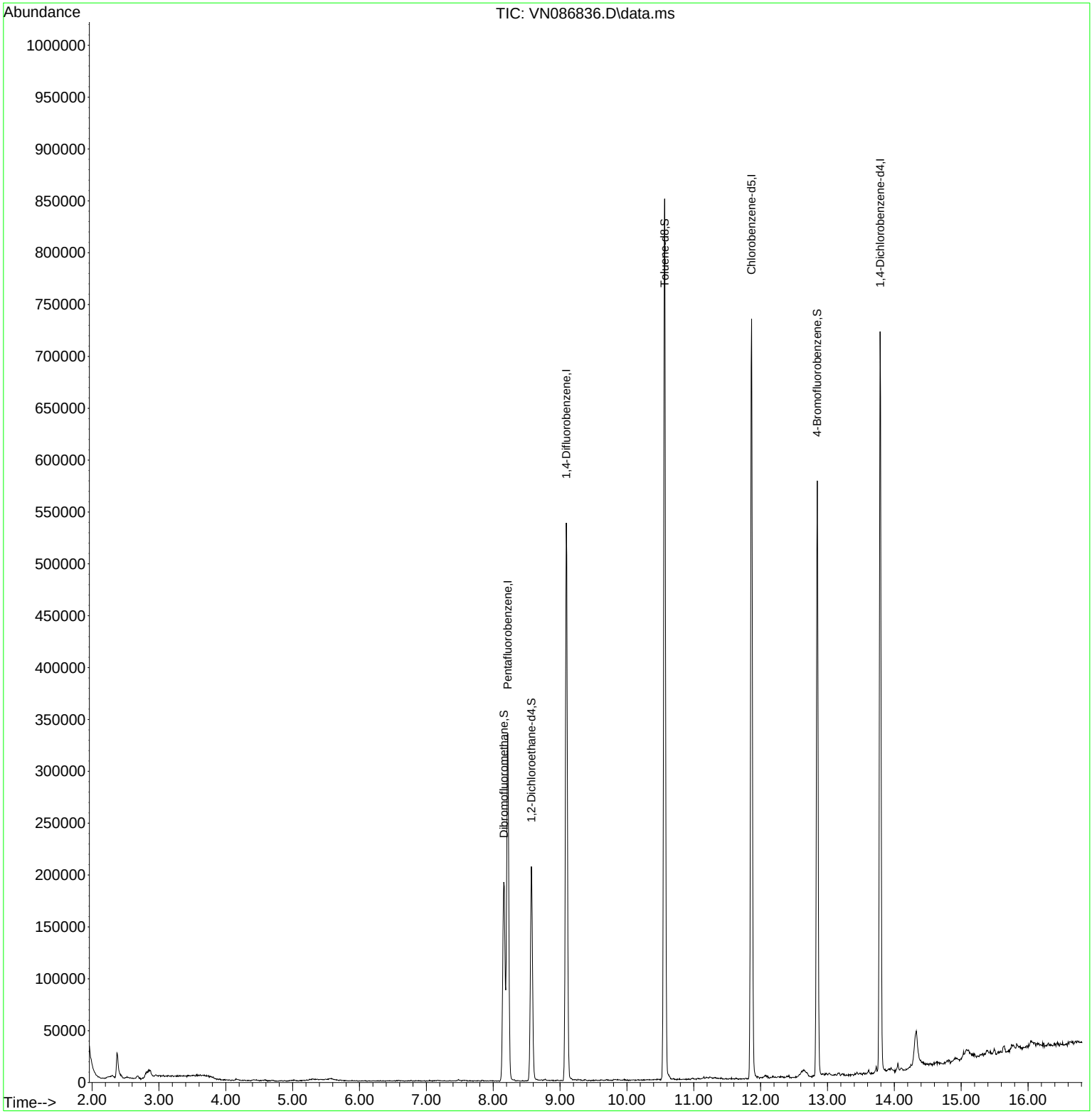
Target Compounds Qvalue

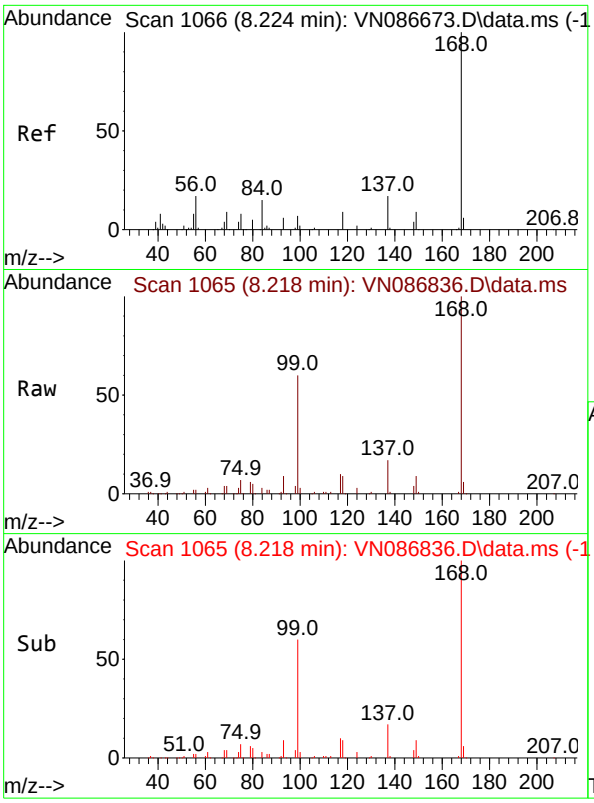
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086836.D
Acq On : 03 Jun 2025 12:10
Operator : JC\MD
Sample : VN0603WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Quant Time: Jun 04 01:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration



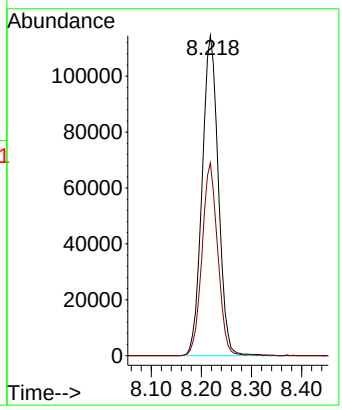


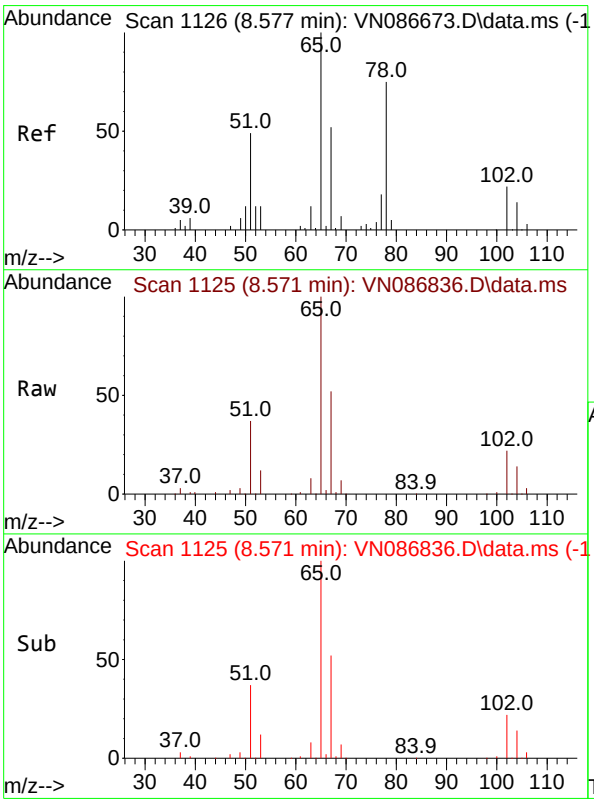
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Tgt Ion:168 Resp: 257056

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.4

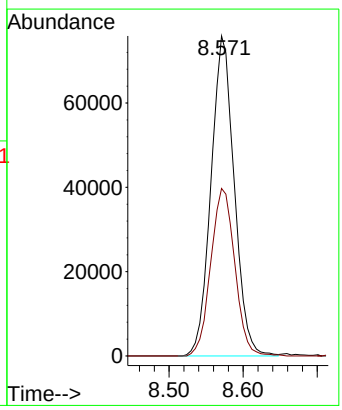


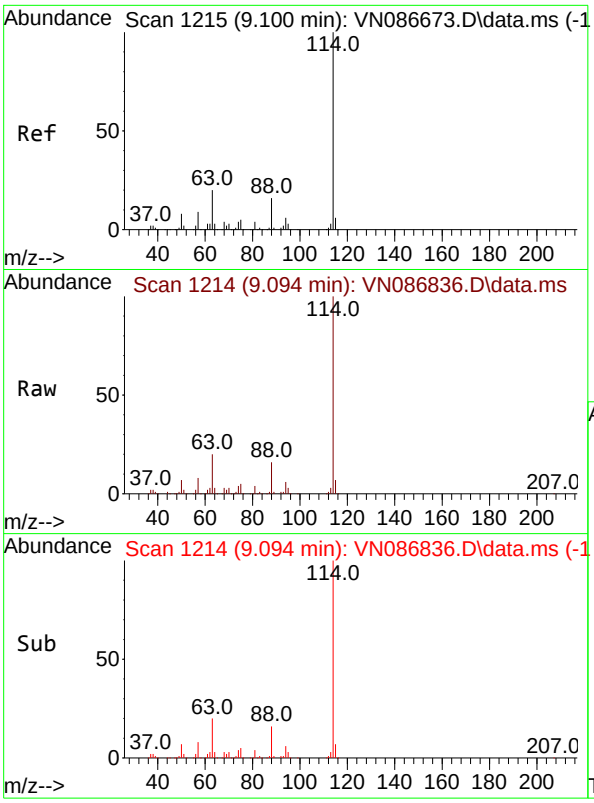


#33
1,2-Dichloroethane-d4
Concen: 46.582 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 65 Resp: 165463

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.4



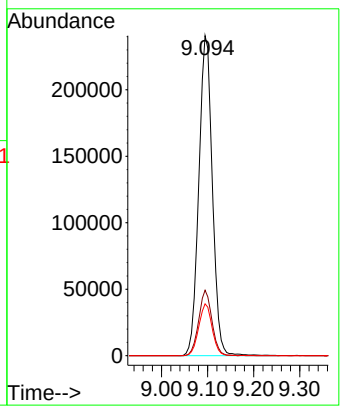


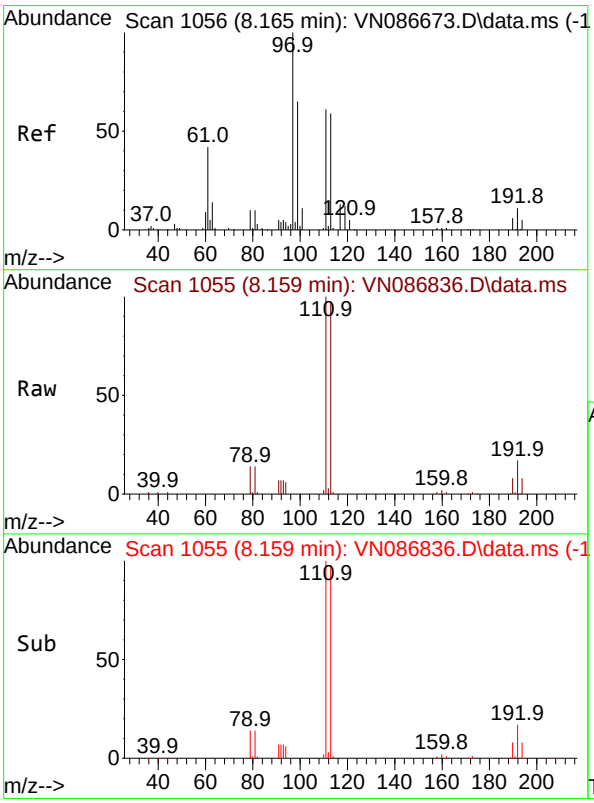
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Tgt Ion:114 Resp: 493879

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	16.2	0.0	31.2

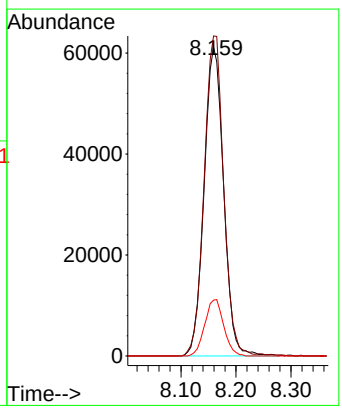


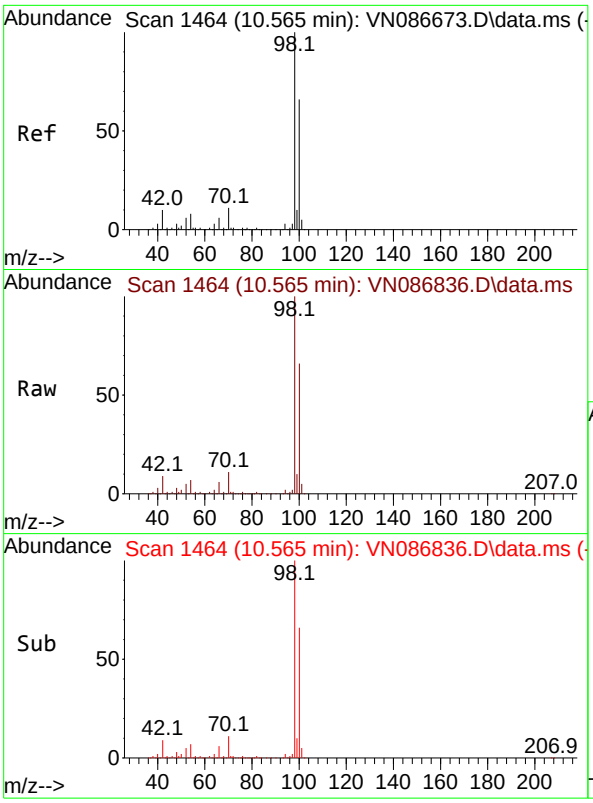


#35
Dibromofluoromethane
Concen: 51.294 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion:113 Resp: 150868

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	17.7	13.8	20.8



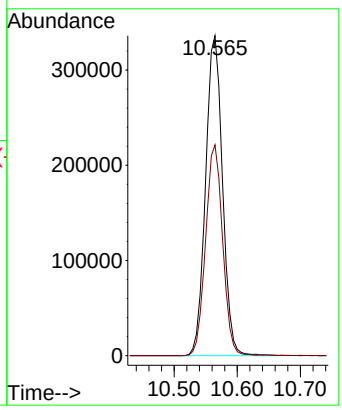


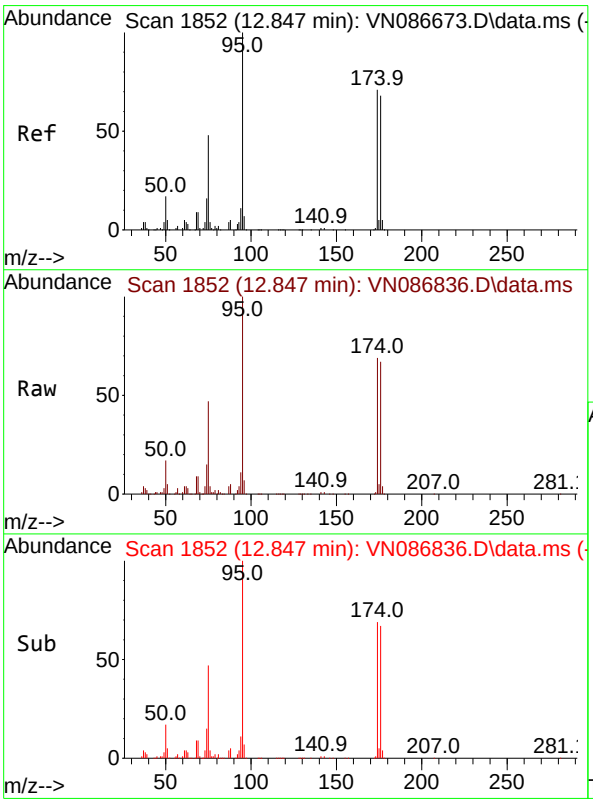
#50
Toluene-d8
Concen: 51.290 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Tgt Ion: 98 Resp: 625163

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3

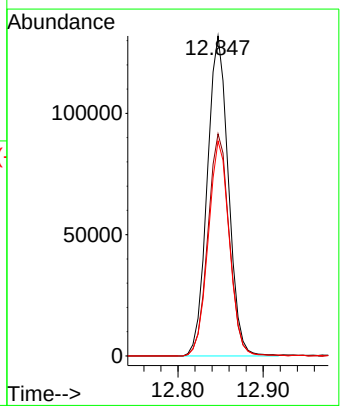


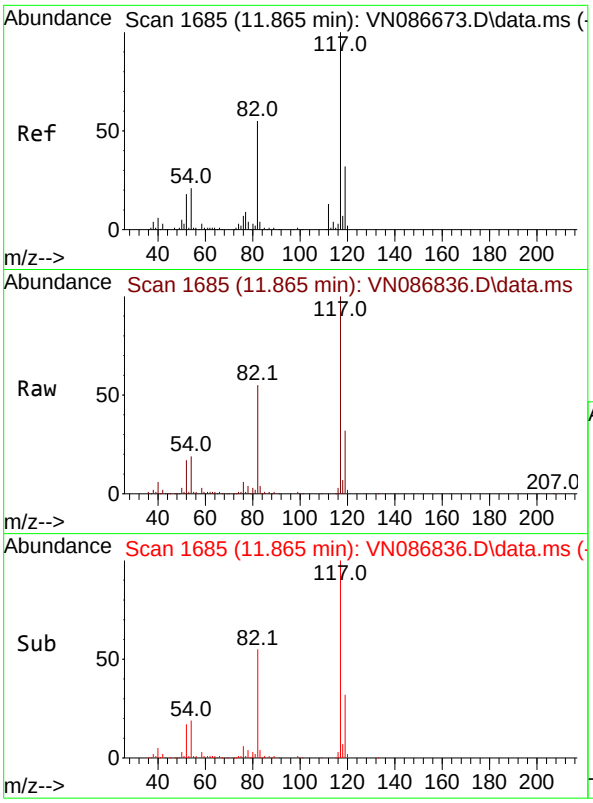


#62
4-Bromofluorobenzene
Concen: 52.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 95 Resp: 227449

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	145.4
176	67.1	0.0	137.8



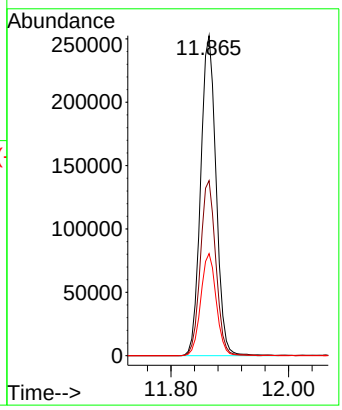


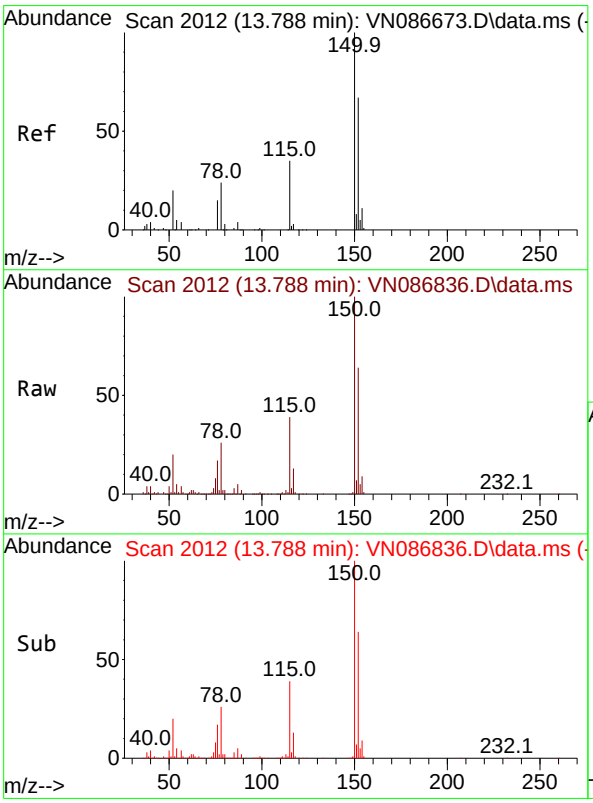
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Tgt Ion:117 Resp: 460882

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	31.9	25.4	38.2

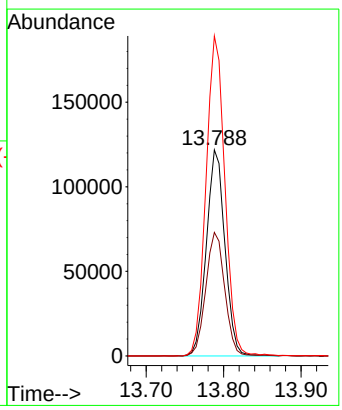




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion:152 Resp: 202290

Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.0	90.1
150	158.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086837.D
Acq On : 03 Jun 2025 12:46
Operator : JC\MD
Sample : VN0603WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	311874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	552803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	467842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	196901	45.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.380%			
35) Dibromofluoromethane	8.159	113	162966	49.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	10.565	98	650044	47.647	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.300%			
62) 4-Bromofluorobenzene	12.847	95	227930	47.315	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	61689	18.316	ug/l	99
3) Chloromethane	2.371	50	124743	24.487	ug/l	99
4) Vinyl Chloride	2.530	62	76314	16.680	ug/l	96
5) Bromomethane	2.977	94	35389	13.418	ug/l	92
6) Chloroethane	3.136	64	50742	16.931	ug/l	89
7) Trichlorofluoromethane	3.501	101	99083	18.122	ug/l	98
8) Diethyl Ether	3.948	74	44442	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	62543	19.108	ug/l	97
10) Methyl Iodide	4.571	142	27330	6.712	ug/l	94
11) Tert butyl alcohol	5.512	59	70823	90.235	ug/l	99
12) 1,1-Dichloroethene	4.330	96	64398	18.513	ug/l	92
13) Acrolein	4.159	56	55618	66.287	ug/l	100
14) Allyl chloride	5.006	41	111061	21.094	ug/l	88
15) Acrylonitrile	5.712	53	179724	92.483	ug/l	99
16) Acetone	4.412	43	149854	92.959	ug/l	99
17) Carbon Disulfide	4.695	76	164472	17.078	ug/l	98
18) Methyl Acetate	5.012	43	84725	18.778	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	231177	19.518	ug/l	99
20) Methylene Chloride	5.259	84	72387	17.016	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	68409	18.600	ug/l	92
22) Diisopropyl ether	6.665	45	228738	19.257	ug/l	97
23) Vinyl Acetate	6.595	43	834829	93.514	ug/l	100
24) 1,1-Dichloroethane	6.559	63	127319	18.256	ug/l	99
25) 2-Butanone	7.477	43	234150	93.996	ug/l	97
26) 2,2-Dichloropropane	7.483	77	115428	20.056	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	83833	18.570	ug/l	98
28) Bromochloromethane	7.806	49	63348	19.993	ug/l	97
29) Tetrahydrofuran	7.836	42	144894	89.113	ug/l	97
30) Chloroform	7.959	83	127505	18.266	ug/l	97
31) Cyclohexane	8.253	56	118488	18.319	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	109562	18.616	ug/l	93
36) 1,1-Dichloropropene	8.365	75	92546	19.058	ug/l	100
37) Ethyl Acetate	7.553	43	93247	19.009	ug/l	99
38) Carbon Tetrachloride	8.353	117	89775	18.763	ug/l	97
39) Methylcyclohexane	9.594	83	108094	20.567	ug/l	98
40) Benzene	8.600	78	303496	19.158	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086837.D
Acq On : 03 Jun 2025 12:46
Operator : JC\MD
Sample : VN0603WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	52387	19.779	ug/l		97
42) 1,2-Dichloroethane	8.665	62	90068	18.250	ug/l		98
43) Isopropyl Acetate	8.683	43	161210	16.394	ug/l		97
44) Trichloroethene	9.347	130	70515	18.455	ug/l		95
45) 1,2-Dichloropropane	9.618	63	73654	19.572	ug/l		97
46) Dibromomethane	9.706	93	47242	18.604	ug/l		98
47) Bromodichloromethane	9.883	83	101328	19.367	ug/l		99
48) Methyl methacrylate	9.677	41	74790	19.627	ug/l		97
49) 1,4-Dioxane	9.694	88	28415	352.158	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.441	43	456160	91.985	ug/l		98
52) Toluene	10.624	92	184334	18.722	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	114600	20.688	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	122048	20.183	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	68666	18.696	ug/l		97
56) Ethyl methacrylate	10.877	69	117944	20.001	ug/l		96
57) 1,3-Dichloropropane	11.159	76	120199	18.997	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	293754	111.459	ug/l		100
59) 2-Hexanone	11.200	43	296191	81.789	ug/l		96
60) Dibromochloromethane	11.359	129	76418	19.853	ug/l		97
61) 1,2-Dibromoethane	11.465	107	69273	18.769	ug/l		99
64) Tetrachloroethene	11.100	164	56471	15.757	ug/l		97
65) Chlorobenzene	11.888	112	199999	19.495	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	66741	20.152	ug/l		97
67) Ethyl Benzene	11.959	91	346395	19.713	ug/l		99
68) m/p-Xylenes	12.071	106	264199	39.696	ug/l		98
69) o-Xylene	12.394	106	134320	20.300	ug/l		98
70) Styrene	12.412	104	216399	19.976	ug/l		100
71) Bromoform	12.576	173	48865	20.747	ug/l	#	99
73) Isopropylbenzene	12.694	105	316849	19.684	ug/l		99
74) N-amyl acetate	12.506	43	116639	17.343	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	99132	20.046	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81454m	17.281	ug/l		
77) Bromobenzene	12.976	156	74079	18.295	ug/l		100
78) n-propylbenzene	13.035	91	369822	20.020	ug/l		99
79) 2-Chlorotoluene	13.124	91	227183	18.915	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	257876	19.996	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	44806	23.990	ug/l		88
82) 4-Chlorotoluene	13.218	91	225346	18.937	ug/l		99
83) tert-Butylbenzene	13.435	119	219969	19.559	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	259010	20.168	ug/l		100
85) sec-Butylbenzene	13.612	105	309139	20.500	ug/l		100
86) p-Isopropyltoluene	13.723	119	263891	21.349	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	137032	19.544	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	135663	19.528	ug/l		99
89) n-Butylbenzene	14.053	91	223830	21.843	ug/l		99
90) Hexachloroethane	14.329	117	44022	21.464	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	128800	19.313	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	19200	23.437	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	69137	24.560	ug/l		99
94) Hexachlorobutadiene	15.500	225	24914	21.331	ug/l		98
95) Naphthalene	15.635	128	248177	25.391	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	67095	24.338	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086837.D
Acq On : 03 Jun 2025 12:46
Operator : JC\MD
Sample : VN0603WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

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

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

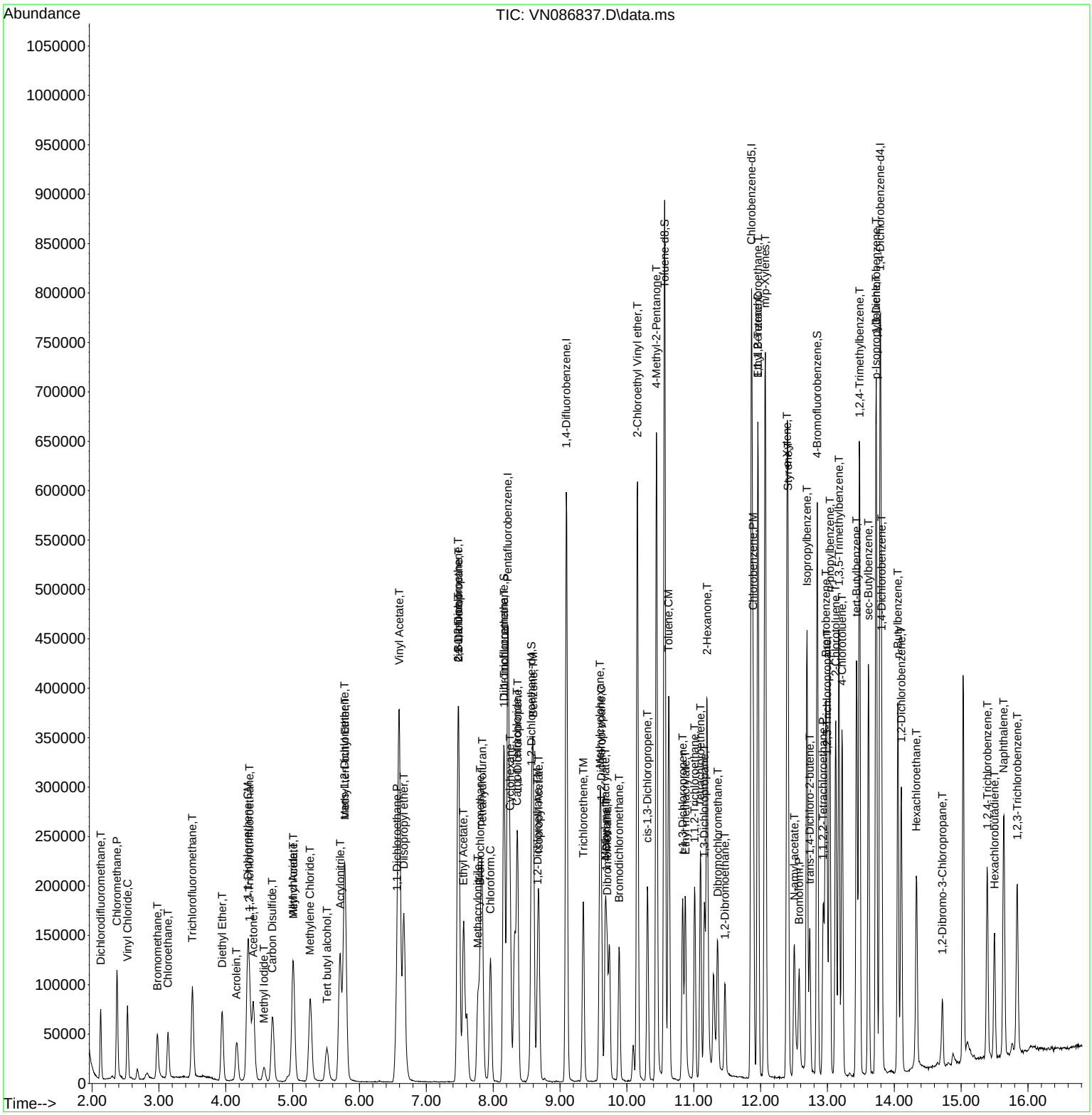
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086837.D
Acq On : 03 Jun 2025 12:46
Operator : JC\MD
Sample : VN0603WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086838.D
Acq On : 03 Jun 2025 13:20
Operator : JC\MD
Sample : VN0603WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	283988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	510275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	192303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	181973	46.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.740%		
35) Dibromofluoromethane	8.159	113	151891	49.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	10.565	98	591397	46.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.847	95	208331	46.851	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	53812	17.546	ug/l	98
3) Chloromethane	2.371	50	110222	23.761	ug/l	100
4) Vinyl Chloride	2.530	62	66995	16.081	ug/l	96
5) Bromomethane	2.977	94	32163	13.392	ug/l	97
6) Chloroethane	3.136	64	44514	16.311	ug/l	99
7) Trichlorofluoromethane	3.501	101	88148	17.705	ug/l	98
8) Diethyl Ether	3.948	74	40628	19.754	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	56654	19.008	ug/l	98
10) Methyl Iodide	4.571	142	26910	7.258	ug/l	99
11) Tert butyl alcohol	5.512	59	64897	90.804	ug/l	99
12) 1,1-Dichloroethene	4.324	96	56706	17.902	ug/l	99
13) Acrolein	4.159	56	40557	53.083	ug/l	96
14) Allyl chloride	5.006	41	98262	20.495	ug/l	89
15) Acrylonitrile	5.712	53	166222	93.934	ug/l	99
16) Acetone	4.412	43	125964	85.812	ug/l	94
17) Carbon Disulfide	4.700	76	150213	17.128	ug/l	99
18) Methyl Acetate	5.012	43	76462	18.611	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	214403	19.879	ug/l	100
20) Methylene Chloride	5.259	84	66446	17.153	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	60452	18.051	ug/l	95
22) Diisopropyl ether	6.659	45	211170	19.523	ug/l	98
23) Vinyl Acetate	6.594	43	785744	96.658	ug/l	98
24) 1,1-Dichloroethane	6.559	63	116831	18.397	ug/l	98
25) 2-Butanone	7.477	43	214606	94.610	ug/l	99
26) 2,2-Dichloropropane	7.483	77	103280	19.707	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	76629	18.641	ug/l	99
28) Bromochloromethane	7.812	49	57682	19.992	ug/l	96
29) Tetrahydrofuran	7.836	42	141314	95.445	ug/l	100
30) Chloroform	7.959	83	115571	18.183	ug/l	98
31) Cyclohexane	8.247	56	106015	18.000	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	98360	18.354	ug/l	94
36) 1,1-Dichloropropene	8.365	75	83438	18.614	ug/l	99
37) Ethyl Acetate	7.553	43	85931	18.978	ug/l	97
38) Carbon Tetrachloride	8.353	117	81872	18.537	ug/l	96
39) Methylcyclohexane	9.600	83	97899	20.179	ug/l	96
40) Benzene	8.600	78	274657	18.783	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086838.D
Acq On : 03 Jun 2025 13:20
Operator : JC\MD
Sample : VN0603WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	49006	20.045	ug/l		97
42) 1,2-Dichloroethane	8.665	62	83577	18.346	ug/l		96
43) Isopropyl Acetate	8.683	43	150999	16.635	ug/l		96
44) Trichloroethene	9.347	130	63258	17.936	ug/l		99
45) 1,2-Dichloropropane	9.618	63	67663	19.479	ug/l		98
46) Dibromomethane	9.706	93	44596	19.026	ug/l		99
47) Bromodichloromethane	9.882	83	93015	19.260	ug/l		98
48) Methyl methacrylate	9.677	41	68495	19.473	ug/l		97
49) 1,4-Dioxane	9.694	88	27033	362.952	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	425395	92.930	ug/l		99
52) Toluene	10.630	92	168549	18.546	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	104834	20.502	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	113076	20.258	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	63651	18.775	ug/l		98
56) Ethyl methacrylate	10.877	69	108927	20.011	ug/l		99
57) 1,3-Dichloropropane	11.159	76	112229	19.216	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	278884	114.636	ug/l		99
59) 2-Hexanone	11.200	43	270873	81.032	ug/l		98
60) Dibromochloromethane	11.359	129	68721	19.342	ug/l		99
61) 1,2-Dibromoethane	11.471	107	64226	18.852	ug/l		100
64) Tetrachloroethene	11.100	164	50645	15.355	ug/l		97
65) Chlorobenzene	11.888	112	182720	19.353	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	61410	20.148	ug/l		97
67) Ethyl Benzene	11.965	91	313319	19.375	ug/l		100
68) m/p-Xylenes	12.071	106	239195	39.052	ug/l		98
69) o-Xylene	12.394	106	117643	19.319	ug/l		99
70) Styrene	12.412	104	196969	19.757	ug/l		100
71) Bromoform	12.576	173	44330	20.451	ug/l	#	98
73) Isopropylbenzene	12.694	105	287026	19.325	ug/l		99
74) N-amyl acetate	12.506	43	112027	18.053	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	93075	20.398	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	74966m	17.237	ug/l		
77) Bromobenzene	12.976	156	67245	17.999	ug/l		98
78) n-propylbenzene	13.035	91	329636	19.340	ug/l		99
79) 2-Chlorotoluene	13.123	91	205023	18.500	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	232803	19.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	40628	23.575	ug/l		90
82) 4-Chlorotoluene	13.218	91	206930	18.846	ug/l		100
83) tert-Butylbenzene	13.435	119	206598	19.909	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	233529	19.708	ug/l		99
85) sec-Butylbenzene	13.612	105	275626	19.809	ug/l		99
86) p-Isopropyltoluene	13.729	119	236095	20.700	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	122189	18.887	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	122295	19.079	ug/l		98
89) n-Butylbenzene	14.053	91	202721	21.440	ug/l		99
90) Hexachloroethane	14.329	117	38593	20.394	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	118775	19.302	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17995	23.806	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	63294	24.368	ug/l		99
94) Hexachlorobutadiene	15.494	225	22251	20.648	ug/l		98
95) Naphthalene	15.635	128	231862	25.709	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	61361	24.123	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086838.D
Acq On : 03 Jun 2025 13:20
Operator : JC\MD
Sample : VN0603WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

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

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

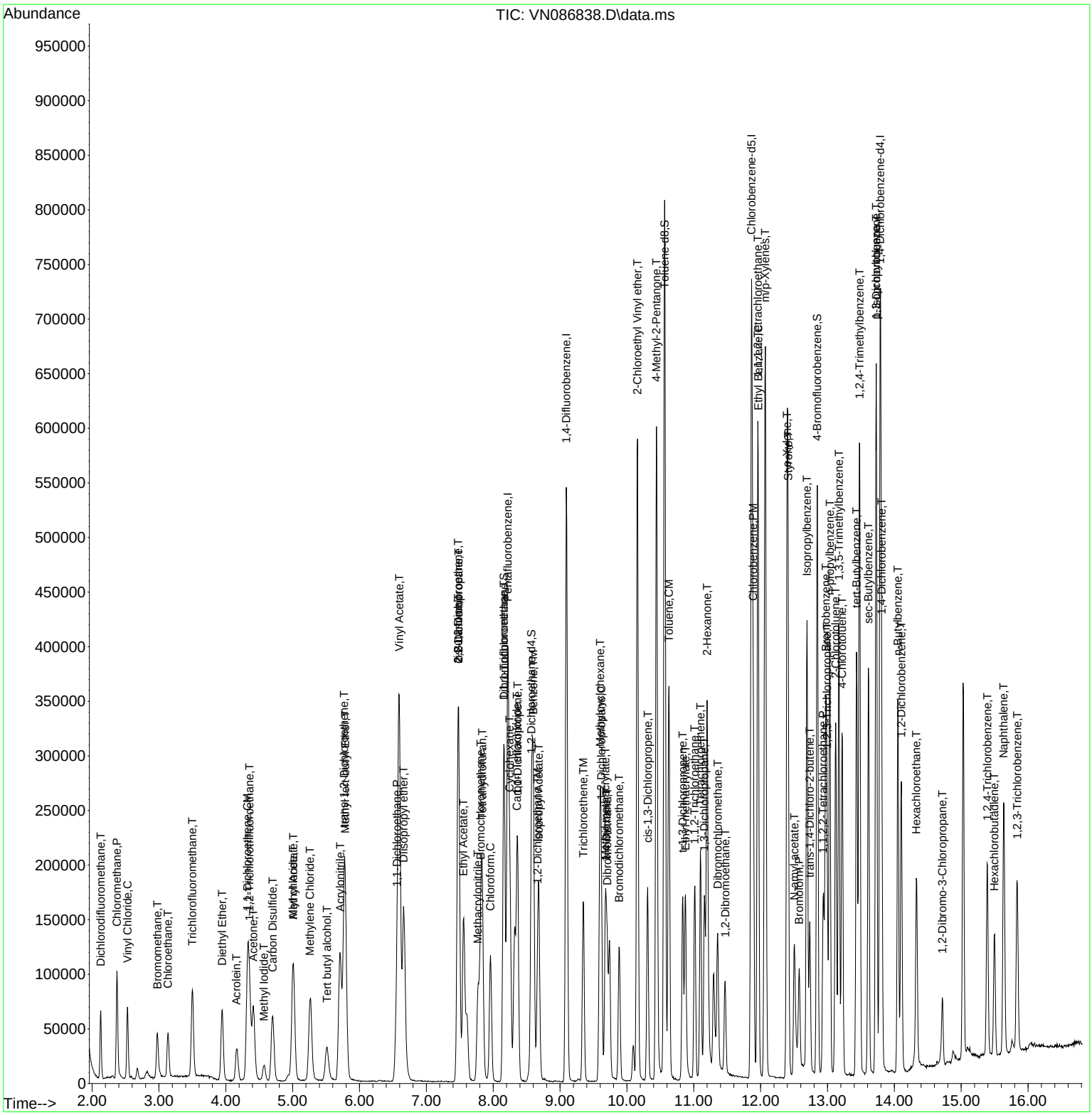
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086838.D
Acq On : 03 Jun 2025 13:20
Operator : JC\MD
Sample : VN0603WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086661.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:47 AM	MMDadoda	5/19/2025 2:39:59 PM	Peak Integrated by Software
VSTDCCC020	VN086667.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:01 AM	MMDadoda	5/19/2025 2:40:37 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,4-Dichlorobenzene	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	Isopropyl Acetate	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Ethyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Vinyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	Vinyl Acetate	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC020	VN086672.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:24 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICCC050	VN086673.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:44 AM	MMDadoda	5/19/2025 2:40:38 PM	Peak Integrated by Software
VSTDICC100	VN086674.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:48 AM	MMDadoda	5/19/2025 2:40:42 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN086676.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:53 AM	MMDadoda	5/19/2025 2:40:47 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN060325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086835.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:39 AM	MMDadoda	6/4/2025 4:21:22 PM	Peak Integrated by Software
VN0603WBS01	VN086837.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:43 AM	MMDadoda	6/4/2025 4:21:23 PM	Peak Integrated by Software
VN0603WBSD01	VN086838.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:48 AM	MMDadoda	6/4/2025 4:21:25 PM	Peak Integrated by Software
Q2177-07	VN086857.D	Methylene Chloride	JOHN	6/4/2025 9:48:04 AM	MMDadoda	6/4/2025 4:21:29 PM	Peak Integrated by Software
VSTDCCC050	VN086860.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:48:08 AM	MMDadoda	6/4/2025 4:21:30 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:40:58 PM		
SubDirectory	VN051625	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133946,VP133952
Initial Calibration Stds	
CCC	VP133947,VP133948
Internal Standard/PEM	
ICV/I.BLK	VP133981
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086660.D	16 May 2025 09:17	JC\MD	Ok
2	VSTDCCC020	VN086661.D	16 May 2025 11:37	JC\MD	Ok,M
3	VN0516WBS01	VN086662.D	16 May 2025 12:13	JC\MD	Ok,M
4	VN0516WBSD01	VN086663.D	16 May 2025 12:46	JC\MD	Ok,M
5	VN0516WBL01	VN086664.D	16 May 2025 13:20	JC\MD	Ok
6	Q2006-01	VN086665.D	16 May 2025 13:54	JC\MD	Ok
7	IBLK	VN086666.D	16 May 2025 14:46	JC\MD	Ok
8	VSTDCCC020	VN086667.D	16 May 2025 15:09	JC\MD	Ok,M
9	BFB	VN086668.D	16 May 2025 15:33	JC\MD	Ok
10	VSTDICC001	VN086669.D	16 May 2025 16:31	JC\MD	Ok,M
11	VSTDICC005	VN086670.D	16 May 2025 16:55	JC\MD	Ok,M
12	VSTDICC010	VN086671.D	16 May 2025 17:19	JC\MD	Ok,M
13	VSTDICC020	VN086672.D	16 May 2025 17:43	JC\MD	Ok,M
14	VSTDICCC050	VN086673.D	16 May 2025 18:08	JC\MD	Ok,M
15	VSTDICC100	VN086674.D	16 May 2025 18:32	JC\MD	Ok,M
16	IBLK	VN086675.D	16 May 2025 18:56	JC\MD	Ok
17	VSTDICV050	VN086676.D	16 May 2025 19:20	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM		
SubDirectory	VN060325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134103
Initial Calibration Stds	
CCC	VP134104,VP134105
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086834.D	03 Jun 2025 10:47	JC\MD	Ok
2	VSTDCCC050	VN086835.D	03 Jun 2025 11:30	JC\MD	Ok,M
3	VN0603WBL01	VN086836.D	03 Jun 2025 12:10	JC\MD	Ok
4	VN0603WBS01	VN086837.D	03 Jun 2025 12:46	JC\MD	Ok,M
5	VN0603WBSD01	VN086838.D	03 Jun 2025 13:20	JC\MD	Ok,M
6	PB168225TB	VN086839.D	03 Jun 2025 13:44	JC\MD	Ok
7	PB168225ZHE#01	VN086840.D	03 Jun 2025 14:08	JC\MD	Ok
8	PB168225ZHE#02	VN086841.D	03 Jun 2025 14:33	JC\MD	Ok
9	PB168225ZHE#03	VN086842.D	03 Jun 2025 14:57	JC\MD	Ok
10	PB168225ZHE#04	VN086843.D	03 Jun 2025 15:21	JC\MD	Ok
11	PB168225ZHE#05	VN086844.D	03 Jun 2025 15:45	JC\MD	Ok
12	PB168225ZHE#06	VN086845.D	03 Jun 2025 16:09	JC\MD	Ok
13	PB168225ZHE#07	VN086846.D	03 Jun 2025 16:34	JC\MD	Ok
14	PB168225ZHE#08	VN086847.D	03 Jun 2025 16:58	JC\MD	Ok
15	PB168225ZHE#09	VN086848.D	03 Jun 2025 17:22	JC\MD	Ok
16	PB168225ZHE#10	VN086849.D	03 Jun 2025 17:46	JC\MD	Ok
17	PB168225ZHE#11	VN086850.D	03 Jun 2025 18:11	JC\MD	Ok
18	PB168225ZHE#12	VN086851.D	03 Jun 2025 18:36	JC\MD	Ok,M
19	PB168225ZHE#13	VN086852.D	03 Jun 2025 18:59	JC\MD	Ok
20	PB168225ZHE#14	VN086853.D	03 Jun 2025 19:23	JC\MD	Ok
21	PB168225ZHE#15	VN086854.D	03 Jun 2025 19:48	JC\MD	Ok

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 # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM		
SubDirectory	VN060325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134103
Initial Calibration Stds	
CCC	VP134104,VP134105
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2177-03	VN086855.D	03 Jun 2025 20:12	JC\MD	Ok
23	Q2177-05	VN086856.D	03 Jun 2025 20:36	JC\MD	Ok
24	Q2177-07	VN086857.D	03 Jun 2025 21:00	JC\MD	Ok,M
25	Q2185-04	VN086858.D	03 Jun 2025 21:25	JC\MD	Ok
26	Q2185-08	VN086859.D	03 Jun 2025 21:49	JC\MD	Ok
27	VSTDCCC050	VN086860.D	03 Jun 2025 22:13	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:40:58 PM		
SubDirectory	VN051625	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133946,VP133952
Initial Calibration Stds	
CCC	VP133947,VP133948
Internal Standard/PEM	
ICV/I.BLK	VP133981
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086660.D	16 May 2025 09:17		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN086661.D	16 May 2025 11:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0516WBS01	VN0516WBS01	VN086662.D	16 May 2025 12:13		JC\MD	Ok,M
4	VN0516WBSD01	VN0516WBSD01	VN086663.D	16 May 2025 12:46		JC\MD	Ok,M
5	VN0516WBL01	VN0516WBL01	VN086664.D	16 May 2025 13:20		JC\MD	Ok
6	Q2006-01	EFF-WW	VN086665.D	16 May 2025 13:54	vial A pH<2	JC\MD	Ok
7	IBLK	IBLK	VN086666.D	16 May 2025 14:46		JC\MD	Ok
8	VSTDCCC020	VSTDCCC020EC	VN086667.D	16 May 2025 15:09		JC\MD	Ok,M
9	BFB	BFB	VN086668.D	16 May 2025 15:33		JC\MD	Ok
10	VSTDICC001	VSTDICC001	VN086669.D	16 May 2025 16:31		JC\MD	Ok,M
11	VSTDICC005	VSTDICC005	VN086670.D	16 May 2025 16:55		JC\MD	Ok,M
12	VSTDICC010	VSTDICC010	VN086671.D	16 May 2025 17:19		JC\MD	Ok,M
13	VSTDICC020	VSTDICC020	VN086672.D	16 May 2025 17:43		JC\MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VN086673.D	16 May 2025 18:08		JC\MD	Ok,M
15	VSTDICC100	VSTDICC100	VN086674.D	16 May 2025 18:32		JC\MD	Ok,M
16	IBLK	IBLK	VN086675.D	16 May 2025 18:56		JC\MD	Ok
17	VSTDICV050	ICVVN051625	VN086676.D	16 May 2025 19:20		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM		
SubDirectory	VN060325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134103
Initial Calibration Stds	
CCC	VP134104,VP134105
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	VN086834.D	03 Jun 2025 10:47		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086835.D	03 Jun 2025 11:30	pH#Lot#V12668	JC\MD	Ok,M
3	VN0603WBL01	VN0603WBL01	VN086836.D	03 Jun 2025 12:10		JC\MD	Ok
4	VN0603WBS01	VN0603WBS01	VN086837.D	03 Jun 2025 12:46		JC\MD	Ok,M
5	VN0603WBSD01	VN0603WBSD01	VN086838.D	03 Jun 2025 13:20		JC\MD	Ok,M
6	PB168225TB	PB168225TB	VN086839.D	03 Jun 2025 13:44		JC\MD	Ok
7	PB168225ZHE#01	PB168225ZHE#01	VN086840.D	03 Jun 2025 14:08		JC\MD	Ok
8	PB168225ZHE#02	PB168225ZHE#02	VN086841.D	03 Jun 2025 14:33		JC\MD	Ok
9	PB168225ZHE#03	PB168225ZHE#03	VN086842.D	03 Jun 2025 14:57		JC\MD	Ok
10	PB168225ZHE#04	PB168225ZHE#04	VN086843.D	03 Jun 2025 15:21		JC\MD	Ok
11	PB168225ZHE#05	PB168225ZHE#05	VN086844.D	03 Jun 2025 15:45		JC\MD	Ok
12	PB168225ZHE#06	PB168225ZHE#06	VN086845.D	03 Jun 2025 16:09		JC\MD	Ok
13	PB168225ZHE#07	PB168225ZHE#07	VN086846.D	03 Jun 2025 16:34		JC\MD	Ok
14	PB168225ZHE#08	PB168225ZHE#08	VN086847.D	03 Jun 2025 16:58		JC\MD	Ok
15	PB168225ZHE#09	PB168225ZHE#09	VN086848.D	03 Jun 2025 17:22		JC\MD	Ok
16	PB168225ZHE#10	PB168225ZHE#10	VN086849.D	03 Jun 2025 17:46		JC\MD	Ok
17	PB168225ZHE#11	PB168225ZHE#11	VN086850.D	03 Jun 2025 18:11		JC\MD	Ok
18	PB168225ZHE#12	PB168225ZHE#12	VN086851.D	03 Jun 2025 18:36		JC\MD	Ok,M

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 # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM		
SubDirectory	VN060325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134103
Initial Calibration Stds	
CCC	VP134104,VP134105
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB168225ZHE#13	PB168225ZHE#13	VN086852.D	03 Jun 2025 18:59		JC\MD	Ok
20	PB168225ZHE#14	PB168225ZHE#14	VN086853.D	03 Jun 2025 19:23		JC\MD	Ok
21	PB168225ZHE#15	PB168225ZHE#15	VN086854.D	03 Jun 2025 19:48		JC\MD	Ok
22	Q2177-03	B-187-SB01	VN086855.D	03 Jun 2025 20:12	vial A pH#5.0	JC\MD	Ok
23	Q2177-05	B-187-SB02	VN086856.D	03 Jun 2025 20:36	vial A pH#5.0	JC\MD	Ok
24	Q2177-07	B-202-SB01	VN086857.D	03 Jun 2025 21:00	vial A pH#5.0	JC\MD	Ok,M
25	Q2185-04	TP02-MHB-WC	VN086858.D	03 Jun 2025 21:25	vial A pH#5.0	JC\MD	Ok
26	Q2185-08	TP01-MHB-WC	VN086859.D	03 Jun 2025 21:49	vial A pH#5.0	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086860.D	03 Jun 2025 22:13		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168225

SOP ID : M1311-TCLP-16

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 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP JN060325,

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

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	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
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	430992	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER ZHE-1 /ZHE-2 checked,30 rpm. ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	JP TCLP Room	SJ VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168225

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
PB168225TB	LEB225	16	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2159-04	TP05-MHO-WC	01	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2160-04	TP04-MHG-WC	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2160-08	TP05-MHH-WC	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-04	A3	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-08	B3	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-12	C2	06	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2172-04	TP06-MHQ	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-06	OR-400-CF-402B-COMP-23	08	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-12	OR-400-CF-402B-COMP-24	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-18	OR-400-CF-402B-COMP-25	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2177-03	B-187-SB01	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2177-05	B-187-SB02	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2177-07	B-202-SB01	13	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2185-04	TP02-MHB-WC	14	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2185-08	TP01-MHB-WC	15	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168225TB	LEB225	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-04	A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-08	B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-12	C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2177 **WorkList ID :** 189872 **Department :** TCLP Extraction **Date :** 06-02-2025 12:11:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2160-04	TP04-MHG-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2160-08	TP05-MHH-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2168-04	A3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2168-08	B3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311 ZHE
Q2168-12	C2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311 ZHE
Q2172-04	TP06-MHQ	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311 ZHE
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2177-03	B-187-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2177-05	B-187-SB02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311 ZHE
Q2177-07	B-202-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311 ZHE
Q2185-04	TP02-MHB-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311 ZHE
Q2185-08	TP01-MHB-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311 ZHE
					PSEG03	L31	06/02/2025	1311 ZHE

Date/Time 06/02/25 15:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature] SM

Date/Time 06/02/25 17:30
Raw Sample Received by: [signature] SM
Raw Sample Relinquished by: [signature]

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.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**B-187-SB01**							
Q2177-02	B-187-SB01	SOIL	Naphthalene	640.000		26.9	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	2-Methylnaphthalene	250.000		30.3	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	1,1-Biphenyl	100.000	J	25.8	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Acenaphthene	1,500.000		25.2	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzofuran	880.000		26.9	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Fluorene	1,200.000		30	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene	8,800.000	E	24.8	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Anthracene	2,700.000		39.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Carbazole	1,000.000		37	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Fluoranthene	8,200.000	E	35.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Pyrene	7,400.000	E	42.7	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(a)anthracene	3,800.000	E	27.3	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Chrysene	3,300.000	E	23.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(b)fluoranthene	3,900.000	E	22.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(k)fluoranthene	1,400.000		26.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(a)pyrene	3,400.000	E	35	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Indeno(1,2,3-cd)pyrene	1,700.000		34.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzo(a,h)anthracene	480.000		32.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(g,h,i)perylene	2,000.000		30.5	200	ug/Kg
			Total Svoc :	**52,650.00**				
Q2177-02	B-187-SB01	SOIL	1H-Cyclopropa[l]phenanthrene,1a *	500.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	250.000	AB	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	4H-Cyclopenta[def]phenanthrene *	1,700.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9,10-Anthracenedione *	420.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9H-Fluoren-9-one *	250.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9H-Fluorene, 2-methyl- *	380.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Acridine *	270.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo[e]pyrene *	760.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo[j]fluoranthene *	1,400.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzophenone *	630.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclopenta(def)phenanthrenone *	370.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzo[a,e]cyclooctene *	280.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzothiophene *	660.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 1-methyl- *	1,300.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 2,5-dimethyl- *	350.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 2-methyl- *	810.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 4-methyl- *	430.000	J	0	0	ug/Kg

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.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2177-02	B-187-SB01	SOIL	Tridecane	*	450.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Naphthalene, 2-phenyl-	*	750.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Perylene	*	2,900.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	1-Methylnaphthalene	*	190.000	J	30.6	200	ug/Kg
			Total Tics :		**15,050.00**				
			Total Concentration:		**67,700.00**				
Client ID :	**B-187-SB01DL**								
Q2177-02DL	B-187-SB01DL	SOIL	Naphthalene		670.000	JD	130	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Acenaphthene		1,700.000	D	130	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Dibenzofuran		930.000	JD	130	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Fluorene		1,200.000	D	150	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Phenanthrene		11,700.000	D	120	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Anthracene		3,000.000	D	200	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Carbazole		1,100.000	D	180	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Fluoranthene		11,900.000	D	180	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Pyrene		9,000.000	D	210	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(a)anthracene		4,100.000	D	140	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Chrysene		3,600.000	D	120	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(b)fluoranthene		4,200.000	D	110	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(k)fluoranthene		1,500.000	D	130	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(a)pyrene		3,600.000	D	170	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Indeno(1,2,3-cd)pyrene		1,800.000	D	170	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Dibenzo(a,h)anthracene		490.000	JD	160	1000	ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(g,h,i)perylene		2,100.000	D	150	1000	ug/Kg
			Total Svoc :		**62,590.00**				
			Total Concentration:		**62,590.00**				
Client ID :	**B-187-SB02**								
Q2177-04	B-187-SB02	SOIL	1,1-Biphenyl, 5,2,3,4-tetramet	*	280.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	1,2,4,8-Tetramethylbicyclo[6.3.0]u	*	180.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	1,2-Dodecanediol	*	130.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	690.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	12-Tricosanol	*	1,000.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	16-Hentriacontanol	*	260.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	340.000	AB	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	1,600.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	6-Isopropenyl-4,8a-dimethyl-4a,5,	*	270.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Benzophenone	*	340.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Octadecyl trifluoroacetate	*	510.000	J	0	0	ug/Kg

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.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2177-04	B-187-SB02	SOIL	p-Cymene	*	590.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Retene	*	1,100.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Tetrahydroabietic acid	*	150.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown12.174	*	210.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown14.239	*	130.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown17.674	*	200.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown17.762	*	150.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown18.274	*	550.000	J	0	0	ug/Kg
			Total Tics :		**8,890.00**				
			Total Concentration:		**8,890.00**				
Client ID :	**B-202-SB01**								
Q2177-06	B-202-SB01	SOIL	Phenanthrene		230.000		24.4	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Fluoranthene		250.000		35	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Pyrene		220.000		42	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(a)anthracene		92.000	J	26.9	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Chrysene		95.100	J	23.2	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(b)fluoranthene		99.000	J	22.2	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(a)pyrene		87.100	J	34.5	200	ug/Kg
			Total Svoc :		**1,073.20**				
Q2177-06	B-202-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2177-06	B-202-SB01	SOIL	n-Hexadecanoic acid	*	260.000	J	0	0	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
			Total Tics :		**890.00**				
			Total Concentration:		**1,963.20**				
Client ID :	**EB05312025**								
Q2177-08	EB05312025	WATER	1-Ethyl-2-pyrrolidinone	*	5.500	J	0	0	ug/L
Q2177-08	EB05312025	WATER	1-Propanol, 2-(2-hydroxypropoxy	*	30.400	J	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.700	AB	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Propanol, 1-(2-butoxy-1-methyl	*	24.300	J	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Propanol, 1-butoxy-	*	4.200	J	0	0	ug/L
			Total Tics :		**68.10**				
			Total Concentration:		**68.10**				

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.2	U	26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.8	U	28.8	200	ug/Kg
95-57-8	2-Chlorophenol	28.9	U	28.9	200	ug/Kg
95-48-7	2-Methylphenol	35.4	U	35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.4	U	44.4	200	ug/Kg
98-86-2	Acetophenone	35.0	U	35.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.7	U	48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.2	U	56.2	94.8	ug/Kg
67-72-1	Hexachloroethane	20.9	U	20.9	200	ug/Kg
98-95-3	Nitrobenzene	21.7	U	21.7	200	ug/Kg
78-59-1	Isophorone	38.9	U	38.9	200	ug/Kg
88-75-5	2-Nitrophenol	69.0	U	69.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.8	U	76.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.5	U	36.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.5	U	33.5	200	ug/Kg
91-20-3	Naphthalene	640		26.9	200	ug/Kg
106-47-8	4-Chloroaniline	42.0	UQ	42.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.0	U	30.0	200	ug/Kg
105-60-2	Caprolactam	61.8	U	61.8	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.0	U	34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	250		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.5	U	23.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.5	U	34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	100	J	25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.7	U	26.7	200	ug/Kg
88-74-4	2-Nitroaniline	57.0	U	57.0	200	ug/Kg
131-11-3	Dimethylphthalate	32.1	U	32.1	200	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.3	U	34.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.8	U	39.8	200	ug/Kg
99-09-2	3-Nitroaniline	54.5	UQ	54.5	200	ug/Kg
83-32-9	Acenaphthene	1500		25.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	880		26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.4	U	59.4	200	ug/Kg
84-66-2	Diethylphthalate	33.5	U	33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.6	U	31.6	200	ug/Kg
86-73-7	Fluorene	1200		30.0	200	ug/Kg
100-01-6	4-Nitroaniline	76.1	U	76.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.0	U	39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.0	U	33.0	200	ug/Kg
118-74-1	Hexachlorobenzene	30.0	U	30.0	200	ug/Kg
1912-24-9	Atrazine	40.3	U	40.3	200	ug/Kg
87-86-5	Pentachlorophenol	60.8	U	60.8	390	ug/Kg
85-01-8	Phenanthrene	8800	E	24.8	200	ug/Kg
120-12-7	Anthracene	2700		39.5	200	ug/Kg
86-74-8	Carbazole	1000		37.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.8	U	56.8	200	ug/Kg
206-44-0	Fluoranthene	8200	E	35.6	200	ug/Kg
129-00-0	Pyrene	7400	E	42.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.6	U	84.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.5	UQ	43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	3800	E	27.3	200	ug/Kg
218-01-9	Chrysene	3300	E	23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.2	U	70.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	E	22.5	200	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		26.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	3400	E	35.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	480		32.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		30.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.3	U	30.3	200	ug/Kg
123-91-1	1,4-Dioxane	53.6	U	53.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.5	U	32.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	105		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.0		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.3		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		30 (10) - 130 (116)	74%	SPK: 150
1718-51-0	Terphenyl-d14	56.2		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	260000	7.607			
1146-65-2	Naphthalene-d8	1060000	10.378			
15067-26-2	Acenaphthene-d10	672000	14.26			
1517-22-2	Phenanthrene-d10	1300000	17.072			
1719-03-5	Chrysene-d12	1320000	21.507			
1520-96-3	Perylene-d12	1600000	24.76			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		4.77	ug/Kg
000629-50-5	Tridecane	450	J		11.8	ug/Kg
90-12-0	1-Methylnaphthalene	190	J		12.3	ug/Kg
000119-61-9	Benzophenone	630	J		15.6	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	380	J		16.4	ug/Kg
000486-25-9	9H-Fluoren-9-one	250	J		16.7	ug/Kg
000132-65-0	Dibenzothiophene	660	J		16.9	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000260-94-6	Acridine	270	J		17.3	ug/Kg
000262-89-5	Dibenzo[a,e]cyclooctene	280	J		17.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	810	J		18.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1300	J		18.0	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	500	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	J		18.2	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	430	J		18.2	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	750	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	420	J		18.5	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	350	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	370	J		19.1	ug/Kg
000192-97-2	Benzo[e]pyrene	760	J		24.0	ug/Kg
000198-55-0	Perylene	2900	J		24.5	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1400	J		24.8	ug/Kg

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

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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920	UD	920	2000	ug/Kg
108-95-2	Phenol	130	UD	130	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	UD	140	1000	ug/Kg
95-57-8	2-Chlorophenol	140	UD	140	1000	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	1000	ug/Kg
98-86-2	Acetophenone	170	UD	170	1000	ug/Kg
65794-96-9	3+4-Methylphenols	240	UD	240	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	UD	280	470	ug/Kg
67-72-1	Hexachloroethane	100	UD	100	1000	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	1000	ug/Kg
78-59-1	Isophorone	190	UD	190	1000	ug/Kg
88-75-5	2-Nitrophenol	340	UD	340	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	380	UD	380	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	170	UD	170	1000	ug/Kg
91-20-3	Naphthalene	670	JD	130	1000	ug/Kg
106-47-8	4-Chloroaniline	210	UDQ	210	1000	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	1000	ug/Kg
105-60-2	Caprolactam	310	UD	310	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	1000	ug/Kg
91-57-6	2-Methylnaphthalene	150	UD	150	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	690	UD	690	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	UD	120	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	UD	170	1000	ug/Kg
92-52-4	1,1-Biphenyl	130	UD	130	1000	ug/Kg
91-58-7	2-Chloronaphthalene	130	UD	130	1000	ug/Kg
88-74-4	2-Nitroaniline	290	UD	290	1000	ug/Kg
131-11-3	Dimethylphthalate	160	UD	160	1000	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	UD	170	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	UD	200	1000	ug/Kg
99-09-2	3-Nitroaniline	270	UDQ	270	1000	ug/Kg
83-32-9	Acenaphthene	1700	D	130	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	UD	1400	2000	ug/Kg
100-02-7	4-Nitrophenol	630	UD	630	2000	ug/Kg
132-64-9	Dibenzofuran	930	JD	130	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	UD	300	1000	ug/Kg
84-66-2	Diethylphthalate	170	UD	170	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	UD	160	1000	ug/Kg
86-73-7	Fluorene	1200	D	150	1000	ug/Kg
100-01-6	4-Nitroaniline	380	UD	380	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	UD	610	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	UD	160	1000	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	1000	ug/Kg
1912-24-9	Atrazine	200	UD	200	1000	ug/Kg
87-86-5	Pentachlorophenol	300	UD	300	2000	ug/Kg
85-01-8	Phenanthrene	11700	D	120	1000	ug/Kg
120-12-7	Anthracene	3000	D	200	1000	ug/Kg
86-74-8	Carbazole	1100	D	180	1000	ug/Kg
84-74-2	Di-n-butylphthalate	280	UD	280	1000	ug/Kg
206-44-0	Fluoranthene	11900	D	180	1000	ug/Kg
129-00-0	Pyrene	9000	D	210	1000	ug/Kg
85-68-7	Butylbenzylphthalate	420	UD	420	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UDQ	220	2000	ug/Kg
56-55-3	Benzo(a)anthracene	4100	D	140	1000	ug/Kg
218-01-9	Chrysene	3600	D	120	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350	UD	350	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	510	UD	510	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4200	D	110	1000	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
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
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500	D	130	1000	ug/Kg
50-32-8	Benzo(a)pyrene	3600	D	170	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800	D	170	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490	JD	160	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100	D	150	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	UD	150	1000	ug/Kg
123-91-1	1,4-Dioxane	270	UD	270	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	1000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.0		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	58.1		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	220000	7.613			
1146-65-2	Naphthalene-d8	880000	10.384			
15067-26-2	Acenaphthene-d10	533000	14.254			
1517-22-2	Phenanthrene-d10	1070000	17.06			
1719-03-5	Chrysene-d12	1300000	21.489			
1520-96-3	Perylene-d12	1570000	24.754			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	U	250	530	ug/Kg
108-95-2	Phenol	35.2	U	35.2	270	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.7	U	38.7	270	ug/Kg
95-57-8	2-Chlorophenol	38.8	U	38.8	270	ug/Kg
95-48-7	2-Methylphenol	47.6	U	47.6	270	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.7	U	59.7	270	ug/Kg
98-86-2	Acetophenone	46.9	U	46.9	270	ug/Kg
65794-96-9	3+4-Methylphenols	65.4	U	65.4	530	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	75.4	U	75.4	130	ug/Kg
67-72-1	Hexachloroethane	28.0	U	28.0	270	ug/Kg
98-95-3	Nitrobenzene	29.1	U	29.1	270	ug/Kg
78-59-1	Isophorone	52.2	U	52.2	270	ug/Kg
88-75-5	2-Nitrophenol	92.6	U	92.6	270	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	270	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	49.0	U	49.0	270	ug/Kg
120-83-2	2,4-Dichlorophenol	45.0	U	45.0	270	ug/Kg
91-20-3	Naphthalene	36.1	U	36.1	270	ug/Kg
106-47-8	4-Chloroaniline	56.3	UQ	56.3	270	ug/Kg
87-68-3	Hexachlorobutadiene	40.3	U	40.3	270	ug/Kg
105-60-2	Caprolactam	82.9	U	82.9	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45.7	U	45.7	270	ug/Kg
91-57-6	2-Methylnaphthalene	40.7	U	40.7	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31.5	U	31.5	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.3	U	46.3	270	ug/Kg
92-52-4	1,1-Biphenyl	34.7	U	34.7	270	ug/Kg
91-58-7	2-Chloronaphthalene	35.8	U	35.8	270	ug/Kg
88-74-4	2-Nitroaniline	76.5	U	76.5	270	ug/Kg
131-11-3	Dimethylphthalate	43.1	U	43.1	270	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	46.0	U	46.0	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.5	U	53.5	270	ug/Kg
99-09-2	3-Nitroaniline	73.2	UQ	73.2	270	ug/Kg
83-32-9	Acenaphthene	33.9	U	33.9	270	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	530	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	530	ug/Kg
132-64-9	Dibenzofuran	36.1	U	36.1	270	ug/Kg
121-14-2	2,4-Dinitrotoluene	79.7	U	79.7	270	ug/Kg
84-66-2	Diethylphthalate	45.0	U	45.0	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	42.5	U	42.5	270	ug/Kg
86-73-7	Fluorene	40.3	U	40.3	270	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	270	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	530	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.4	U	52.4	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	44.2	U	44.2	270	ug/Kg
118-74-1	Hexachlorobenzene	40.3	U	40.3	270	ug/Kg
1912-24-9	Atrazine	54.1	U	54.1	270	ug/Kg
87-86-5	Pentachlorophenol	81.6	U	81.6	530	ug/Kg
85-01-8	Phenanthrene	33.3	U	33.3	270	ug/Kg
120-12-7	Anthracene	53.0	U	53.0	270	ug/Kg
86-74-8	Carbazole	49.6	U	49.6	270	ug/Kg
84-74-2	Di-n-butylphthalate	76.2	U	76.2	270	ug/Kg
206-44-0	Fluoranthene	47.7	U	47.7	270	ug/Kg
129-00-0	Pyrene	57.3	U	57.3	270	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	58.4	UQ	58.4	530	ug/Kg
56-55-3	Benzo(a)anthracene	36.6	U	36.6	270	ug/Kg
218-01-9	Chrysene	31.7	U	31.7	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	94.2	U	94.2	270	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	30.2	U	30.2	270	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	35.6	U	35.6	270	ug/Kg
50-32-8	Benzo(a)pyrene	46.9	U	46.9	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.3	U	46.3	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43.6	U	43.6	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40.9	U	40.9	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.7	U	40.7	270	ug/Kg
123-91-1	1,4-Dioxane	71.9	U	71.9	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43.6	U	43.6	270	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.3		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	78.1		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.1		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.2		30 (20) - 130 (109)	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.7		30 (10) - 130 (116)	48%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		30 (10) - 130 (105)	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.892			
1146-65-2	Naphthalene-d8	464000	8.175			
15067-26-2	Acenaphthene-d10	242000	9.933			
1517-22-2	Phenanthrene-d10	342000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	282000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	AB		5.10	ug/Kg
000099-87-6	p-Cymene	590	J		6.97	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		11.9	ug/Kg
	unknown12.174	210	J		12.2	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	1600	J		12.4	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	690	J		12.7	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000483-65-8	Retene	1100	J		13.1	ug/Kg
1000251-96-9	Tetrahydroabietic acid	150	J		13.8	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	510	J		13.9	ug/Kg
	unknown14.239	130	J		14.2	ug/Kg
024897-74-3	12-Tricosanol	1000	J		14.5	ug/Kg
119101-30-3	1,1-Biphenyl, 5,2,3,4-tetramet	280	J		14.6	ug/Kg
001119-87-5	1,2-Dodecanediol	130	J		14.9	ug/Kg
001070-54-8	16-Hentriacontanol	260	J		15.2	ug/Kg
086917-79-5	6-Isopropenyl-4,8a-dimethyl-4a,5,6	270	J		17.4	ug/Kg
	unknown17.674	200	J		17.7	ug/Kg
	unknown17.762	150	J		17.8	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	180	J		18.0	ug/Kg
	unknown18.274	550	J		18.3	ug/Kg

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

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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	25.8	U	25.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.4	U	28.4	200	ug/Kg
95-57-8	2-Chlorophenol	28.5	U	28.5	200	ug/Kg
95-48-7	2-Methylphenol	34.9	U	34.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.8	U	43.8	200	ug/Kg
98-86-2	Acetophenone	34.5	U	34.5	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.0	U	48.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.4	U	55.4	93.4	ug/Kg
67-72-1	Hexachloroethane	20.6	U	20.6	200	ug/Kg
98-95-3	Nitrobenzene	21.4	U	21.4	200	ug/Kg
78-59-1	Isophorone	38.3	U	38.3	200	ug/Kg
88-75-5	2-Nitrophenol	68.0	U	68.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.7	U	75.7	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.0	U	36.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.1	U	33.1	200	ug/Kg
91-20-3	Naphthalene	26.5	U	26.5	200	ug/Kg
106-47-8	4-Chloroaniline	41.3	UQ	41.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.5	U	29.5	200	ug/Kg
105-60-2	Caprolactam	60.8	U	60.8	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.5	U	33.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.9	U	29.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.1	U	23.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.0	U	34.0	200	ug/Kg
92-52-4	1,1-Biphenyl	25.5	U	25.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.3	U	26.3	200	ug/Kg
88-74-4	2-Nitroaniline	56.2	U	56.2	200	ug/Kg
131-11-3	Dimethylphthalate	31.6	U	31.6	200	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.8	U	33.8	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.2	U	39.2	200	ug/Kg
99-09-2	3-Nitroaniline	53.7	UQ	53.7	200	ug/Kg
83-32-9	Acenaphthene	24.9	U	24.9	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	390	ug/Kg
132-64-9	Dibenzofuran	26.5	U	26.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	200	ug/Kg
84-66-2	Diethylphthalate	33.1	U	33.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.2	U	31.2	200	ug/Kg
86-73-7	Fluorene	29.5	U	29.5	200	ug/Kg
100-01-6	4-Nitroaniline	75.0	U	75.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.4	U	38.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.5	U	32.5	200	ug/Kg
118-74-1	Hexachlorobenzene	29.5	U	29.5	200	ug/Kg
1912-24-9	Atrazine	39.7	U	39.7	200	ug/Kg
87-86-5	Pentachlorophenol	59.9	U	59.9	390	ug/Kg
85-01-8	Phenanthrene	230		24.4	200	ug/Kg
120-12-7	Anthracene	38.9	U	38.9	200	ug/Kg
86-74-8	Carbazole	36.4	U	36.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.9	U	55.9	200	ug/Kg
206-44-0	Fluoranthene	250		35.0	200	ug/Kg
129-00-0	Pyrene	220		42.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.4	U	83.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.9	UQ	42.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	92.0	J	26.9	200	ug/Kg
218-01-9	Chrysene	95.1	J	23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.1	U	69.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.0	J	22.2	200	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.2	U	26.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	87.1	J	34.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.0	U	34.0	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.0	U	32.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.0	U	30.0	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.9	U	29.9	200	ug/Kg
123-91-1	1,4-Dioxane	52.8	U	52.8	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.0	U	32.0	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	107		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	107		30 (15) - 130 (107)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.5		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.6		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 (10) - 130 (116)	75%	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	259000	7.608			
1146-65-2	Naphthalene-d8	1050000	10.378			
15067-26-2	Acenaphthene-d10	660000	14.248			
1517-22-2	Phenanthrene-d10	1280000	17.054			
1719-03-5	Chrysene-d12	1410000	21.489			
1520-96-3	Perylene-d12	1730000	24.766			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		4.77	ug/Kg
000119-61-9	Benzophenone	380	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J		18.0	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
108-95-2	Phenol	0.93	U	0.93	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	UQ	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.10	U	6.10	10.2	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.2	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.2	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	UQ	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	15.9	*	15 (23) - 110 (138)	11%	SPK: 150
13127-88-3	Phenol-d6	11.1	*	15 (10) - 110 (134)	7%	SPK: 150
4165-60-0	Nitrobenzene-d5	17.6	*	30 (67) - 130 (132)	18%	SPK: 100
321-60-8	2-Fluorobiphenyl	17.7	*	30 (52) - 130 (132)	18%	SPK: 100
118-79-6	2,4,6-Tribromophenol	26.0		15 (44) - 110 (137)	17%	SPK: 150
1718-51-0	Terphenyl-d14	14.9	*	30 (42) - 130 (152)	15%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	110000	6.892			
1146-65-2	Naphthalene-d8	419000	8.181			
15067-26-2	Acenaphthene-d10	222000	9.933			
1517-22-2	Phenanthrene-d10	326000	11.422			
1719-03-5	Chrysene-d12	209000	14.063			
1520-96-3	Perylene-d12	250000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.70	AB		5.10	ug/L
005131-66-8	2-Propanol, 1-butoxy-	4.20	J		6.19	ug/L
002687-91-4	1-Ethyl-2-pyrrolidinone	5.50	J		7.53	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	24.3	J		8.40	ug/L
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	30.4	J		8.42	ug/L

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

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

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

Surrogate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168259BL	PB168259BL	2-Fluorophenol	150	124	83		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	78.1	78		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.4	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	84		30 (10)	130 (116)
		Terphenyl-d14	100	78.9	79		30 (10)	130 (105)
PB168259BS	PB168259BS	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	85.0	85		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.4	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	125	84		30 (10)	130 (116)
		Terphenyl-d14	100	72.5	73		30 (10)	130 (105)
Q2177-02	B-187-SB01	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	105	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.0	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.3	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	112	74		30 (10)	130 (116)
		Terphenyl-d14	100	56.2	56		30 (10)	130 (105)
Q2177-02DL	B-187-SB01DL	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.0	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.1	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	112	75		30 (10)	130 (116)
		Terphenyl-d14	100	58.1	58		30 (10)	130 (105)
Q2177-04	B-187-SB02	2-Fluorophenol	150	75.3	50		30 (18)	130 (112)
		Phenol-d6	150	78.1	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	49.1	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	47.2	47		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	71.7	48		30 (10)	130 (116)
		Terphenyl-d14	100	32.0	32		30 (10)	130 (105)
Q2177-06	B-202-SB01	2-Fluorophenol	150	107	71		30 (18)	130 (112)
		Phenol-d6	150	107	71		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.5	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.6	58		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	113	75		30 (10)	130 (116)
		Terphenyl-d14	100	55.9	56		30 (10)	130 (105)
Q2194-03MS	COMP-13MS	2-Fluorophenol	150	82.7	55		30 (18)	130 (112)
		Phenol-d6	150	81.8	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.9	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	51.7	52		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	78.7	52		30 (10)	130 (116)
		Terphenyl-d14	100	36.8	37		30 (10)	130 (105)
Q2194-03MSD	COMP-13MSD	2-Fluorophenol	150	82.9	55		30 (18)	130 (112)
		Phenol-d6	150	82.3	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.1	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	50.1	50		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	77.4	52		30 (10)	130 (116)
		Terphenyl-d14	100	39.9	40		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168285BL	PB168285BL	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.6	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.2	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	122	82		15 (44)	110 (137)
		Terphenyl-d14	100	78.1	78		30 (42)	130 (152)
PB168285BS	PB168285BS	2-Fluorophenol	150	126	84		15 (23)	110 (138)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.8	78		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.2	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	81.8	82		30 (42)	130 (152)
PB168285BSD	PB168285BSD	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	127	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.4	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	77.6	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	79.2	79		30 (42)	130 (152)
Q2177-08	EB05312025	2-Fluorophenol	150	15.9	11	*	15 (23)	110 (138)
		Phenol-d6	150	11.1	7	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	17.6	18	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	17.7	18	*	30 (52)	130 (132)
		2,4,6-Tribromophenol	150	26.0	17		15 (44)	110 (137)
		Terphenyl-d14	100	14.9	15	*	30 (42)	130 (152)

( ) = 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.: Q2177

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: Q2194-03MS		**Client Sample ID: COMP-13MS**						**DataFile: BF142629.D**			
Benzaldehyde	1100	0	800	ug/Kg	73				20 (10)	160 (171)	
Phenol	1100	0	970	ug/Kg	88				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (54)	130 (125)	
2-Chlorophenol	1100	0	1000	ug/Kg	91				70 (51)	130 (121)	
2-Methylphenol	1100	0	950	ug/Kg	86				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (46)	130 (119)	
Acetophenone	1100	0	980	ug/Kg	89				70 (55)	130 (128)	
3+4-Methylphenols	1100	0	910	ug/Kg	83				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	1100	0	900	ug/Kg	82				70 (59)	130 (119)	
Hexachloroethane	1100	0	990	ug/Kg	90				20 (51)	160 (116)	
Nitrobenzene	1100	0	1000	ug/Kg	91				70 (47)	130 (124)	
Isophorone	1100	0	960	ug/Kg	87				70 (49)	130 (127)	
2-Nitrophenol	1100	0	1100	ug/Kg	100				70 (43)	130 (131)	
2,4-Dimethylphenol	1100	0	980	ug/Kg	89				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1100	0	1000	ug/Kg	91				70 (51)	130 (119)	
2,4-Dichlorophenol	1100	0	980	ug/Kg	89				70 (50)	130 (122)	
Naphthalene	1100	0	990	ug/Kg	90				70 (51)	130 (121)	
4-Chloroaniline	1100	0	570	ug/Kg	52	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				70 (44)	130 (126)	
Caprolactam	1100	0	990	ug/Kg	90				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	900	ug/Kg	82				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	960	ug/Kg	87				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2300	0	2000	ug/Kg	87				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (33)	130 (141)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (38)	130 (135)	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				70 (55)	130 (131)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (48)	130 (124)	
2-Nitroaniline	1100	0	1000	ug/Kg	91				70 (47)	130 (134)	
Dimethylphthalate	1100	0	980	ug/Kg	89				70 (54)	130 (120)	
Acenaphthylene	1100	0	1000	ug/Kg	91				70 (57)	130 (125)	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (48)	130 (127)	
3-Nitroaniline	1100	0	680	ug/Kg	62	*			70 (10)	130 (112)	
Acenaphthene	1100	0	1100	ug/Kg	100				70 (70)	130 (121)	
2,4-Dinitrophenol	2300	0	2200	ug/Kg	96				20 (10)	160 (155)	
4-Nitrophenol	2300	0	2000	ug/Kg	87				20 (10)	160 (175)	
Dibenzofuran	1100	0	990	ug/Kg	90				70 (52)	130 (114)	
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (41)	130 (140)	
Diethylphthalate	1100	0	940	ug/Kg	85				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	1100	0	960	ug/Kg	87				70 (48)	130 (122)	
Fluorene	1100	0	970	ug/Kg	88				70 (53)	130 (118)	
4-Nitroaniline	1100	0	990	ug/Kg	90				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1100	0	1100	ug/Kg	100				70 (45)	130 (175)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	2000	ug/Kg	87				20 (13)	160 (153)	
Phenanthrene	1100	0	1000	ug/Kg	91				70 (52)	130 (128)	
Anthracene	1100	0	1000	ug/Kg	91				70 (62)	130 (124)	
Carbazole	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1100	ug/Kg	100				70 (55)	130 (125)	
Fluoranthene	1100	0	1100	ug/Kg	100				70 (44)	130 (125)	
Pyrene	1100	0	770	ug/Kg	70				70 (37)	130 (122)	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				70 (44)	130 (135)	
3,3-Dichlorobenzidine	1100	0	790	ug/Kg	72				70 (15)	130 (112)	
Benzo(a)anthracene	1100	0	1000	ug/Kg	91				70 (53)	130 (119)	
Chrysene	1100	0	1000	ug/Kg	91				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100				70 (51)	130 (156)	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				70 (52)	130 (117)	
Benzo(k)fluoranthene	1100	0	980	ug/Kg	89				70 (57)	130 (134)	
Benzo(a)pyrene	1100	0	1000	ug/Kg	91				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	970	ug/Kg	88				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	970	ug/Kg	88				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (52)	130 (134)	
1,4-Dioxane	1100	0	910	ug/Kg	83				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	970	ug/Kg	88				70 (24)	130 (146)	

( ) = 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.: Q2177

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: Q2194-03MSD		**Client Sample ID: COMP-13MSD**						**DataFile: BF142630.D**			
Benzaldehyde	1100	0	800	ug/Kg	73		0		20 (10)	160 (171)	30 (20)
Phenol	1100	0	970	ug/Kg	88		0		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1100	0	990	ug/Kg	90		1		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1000	ug/Kg	91		0		70 (51)	130 (121)	30 (20)
2-Methylphenol	1100	0	970	ug/Kg	88		2		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	980	ug/Kg	89		1		70 (46)	130 (119)	30 (20)
Acetophenone	1100	0	970	ug/Kg	88		1		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1100	0	920	ug/Kg	84		1		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	910	ug/Kg	83		1		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	990	ug/Kg	90		0		20 (51)	160 (116)	30 (20)
Nitrobenzene	1100	0	990	ug/Kg	90		1		70 (47)	130 (124)	30 (20)
Isophorone	1100	0	950	ug/Kg	86		1		70 (49)	130 (127)	30 (20)
2-Nitrophenol	1100	0	1100	ug/Kg	100		0		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	1100	0	970	ug/Kg	88		1		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	980	ug/Kg	89		2		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	1100	0	990	ug/Kg	90		1		70 (50)	130 (122)	30 (20)
Naphthalene	1100	0	980	ug/Kg	89		1		70 (51)	130 (121)	30 (20)
4-Chloroaniline	1100	0	540	ug/Kg	49	*	6		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	970	ug/Kg	88		3		70 (44)	130 (126)	30 (20)
Caprolactam	1100	0	1000	ug/Kg	91		1		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	930	ug/Kg	85		4		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	950	ug/Kg	86		1		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91		0		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	1100	0	990	ug/Kg	90		1		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	1100	0	1000	ug/Kg	91		9		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	1100	0	1000	ug/Kg	91		9		70 (48)	130 (124)	30 (20)
2-Nitroaniline	1100	0	1000	ug/Kg	91		0		70 (47)	130 (134)	30 (20)
Dimethylphthalate	1100	0	980	ug/Kg	89		0		70 (54)	130 (120)	30 (20)
Acenaphthylene	1100	0	990	ug/Kg	90		1		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		70 (48)	130 (127)	30 (20)
3-Nitroaniline	1100	0	670	ug/Kg	61	*	2		70 (10)	130 (112)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2300	0	2300	ug/Kg	100		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2300	0	2100	ug/Kg	91		4		20 (10)	160 (175)	30 (20)
Dibenzofuran	1100	0	970	ug/Kg	88		2		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		70 (41)	130 (140)	30 (20)
Diethylphthalate	1100	0	960	ug/Kg	87		2		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	1100	0	940	ug/Kg	85		2		70 (48)	130 (122)	30 (20)
Fluorene	1100	0	960	ug/Kg	87		1		70 (53)	130 (118)	30 (20)
4-Nitroaniline	1100	0	1000	ug/Kg	91		1		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91		9		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91		9		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1000	ug/Kg	91		9		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1100	ug/Kg	100		0		70 (45)	130 (175)	30 (20)

( ) = 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.: Q2177

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	2300	0	2000	ug/Kg	87		0		20 (13)	160 (153)	30 (20)
Phenanthrene	1100	0	990	ug/Kg	90		1		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	990	ug/Kg	90		1		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1000	ug/Kg	91		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1100	ug/Kg	100		0		70 (55)	130 (125)	30 (20)
Fluoranthene	1100	0	1000	ug/Kg	91		9		70 (44)	130 (125)	30 (20)
Pyrene	1100	0	840	ug/Kg	76		8		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	1100	0	1200	ug/Kg	109		9		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	1100	0	790	ug/Kg	72		0		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	1100	0	1000	ug/Kg	91		0		70 (53)	130 (119)	30 (20)
Chrysene	1100	0	1000	ug/Kg	91		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118		8		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100		0		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1100	0	980	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		2		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	0	1000	ug/Kg	91		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	980	ug/Kg	89		1		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	970	ug/Kg	88		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1000	ug/Kg	91		9		70 (52)	130 (134)	30 (20)
1,4-Dioxane	1100	0	910	ug/Kg	83		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	990	ug/Kg	90		2		70 (24)	130 (146)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142727.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168285BS	Benzaldehyde	50	32.2	ug/L	64				20 (10)	160 (162)	
	Phenol	50	44.1	ug/L	88				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88				70 (62)	130 (103)	
	2-Chlorophenol	50	45.9	ug/L	92				70 (70)	130 (117)	
	2-Methylphenol	50	45.4	ug/L	91				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	43.1	ug/L	86				70 (65)	130 (100)	
	Acetophenone	50	44.3	ug/L	89				70 (60)	130 (104)	
	3+4-Methylphenols	50	45.6	ug/L	91				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	43.7	ug/L	87				70 (57)	130 (107)	
	Hexachloroethane	50	43.4	ug/L	87				20 (76)	160 (118)	
	Nitrobenzene	50	44.6	ug/L	89				70 (58)	130 (106)	
	Isophorone	50	43.8	ug/L	88				70 (61)	130 (102)	
	2-Nitrophenol	50	46.1	ug/L	92				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.3	ug/L	91				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	44.3	ug/L	89				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	45.4	ug/L	91				70 (66)	130 (115)	
	Naphthalene	50	43.8	ug/L	88				70 (64)	130 (107)	
	4-Chloroaniline	50	14.3	ug/L	29		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.1	ug/L	86				70 (69)	130 (101)	
	Caprolactam	50	50.0	ug/L	100				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.9	ug/L	90				70 (65)	130 (114)	
	2-Methylnaphthalene	50	43.3	ug/L	87				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	90.6	ug/L	91				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	46.7	ug/L	93				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90				70 (70)	130 (106)	
	1,1-Biphenyl	50	44.3	ug/L	89				70 (72)	130 (98)	
	2-Chloronaphthalene	50	44.3	ug/L	89				70 (59)	130 (106)	
	2-Nitroaniline	50	45.3	ug/L	91				70 (73)	130 (114)	
	Dimethylphthalate	50	45.8	ug/L	92				70 (64)	130 (103)	
	Acenaphthylene	50	44.7	ug/L	89				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	46.3	ug/L	93				70 (64)	130 (110)	
	3-Nitroaniline	50	26.2	ug/L	52		*		70 (28)	130 (100)	
	Acenaphthene	50	50.3	ug/L	101				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	98.9	ug/L	99				20 (45)	160 (147)	
	Dibenzofuran	50	44.4	ug/L	89				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	48.0	ug/L	96				70 (60)	130 (115)	
	Diethylphthalate	50	46.4	ug/L	93				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88				70 (61)	130 (104)	
	Fluorene	50	43.9	ug/L	88				70 (64)	130 (107)	
	4-Nitroaniline	50	47.5	ug/L	95				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	48.0	ug/L	96				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	44.4	ug/L	89				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.9	ug/L	88				70 (73)	130 (103)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142727.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168285BS	Hexachlorobenzene	50	44.1	ug/L	88				70 (73)	130 (106)	
	Atrazine	50	50.6	ug/L	101				70 (76)	130 (120)	
	Pentachlorophenol	100	93.6	ug/L	94				20 (47)	160 (114)	
	Phenanthrene	50	44.5	ug/L	89				70 (62)	130 (109)	
	Anthracene	50	44.2	ug/L	88				70 (65)	130 (110)	
	Carbazole	50	45.7	ug/L	91				70 (62)	130 (106)	
	Di-n-butylphthalate	50	49.3	ug/L	99				70 (64)	130 (106)	
	Fluoranthene	50	45.7	ug/L	91				70 (64)	130 (110)	
	Pyrene	50	46.5	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.4	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	21.6	ug/L	43		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	45.7	ug/L	91				70 (62)	130 (107)	
	Chrysene	50	46.7	ug/L	93				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	46.3	ug/L	93				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	44.5	ug/L	89				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	48.8	ug/L	98				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	44.1	ug/L	88				70 (77)	130 (105)	
	Benzo(a)pyrene	50	46.7	ug/L	93				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.0	ug/L	90				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	45.1	ug/L	90				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	44.1	ug/L	88				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89				70 (72)	130 (101)	
	1,4-Dioxane	50	36.8	ug/L	74				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	46.1	ug/L	92				70 (63)	130 (116)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168285BSD	Benzaldehyde	50	31.8	ug/L	64	1			20 (10)	160 (162)	20 (20)
	Phenol	50	44.2	ug/L	88	0			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.3	ug/L	89	0			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	45.8	ug/L	92	0			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	46.2	ug/L	92	2			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	42.8	ug/L	86	1			70 (65)	130 (100)	20 (20)
	Acetophenone	50	45.1	ug/L	90	2			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	46.1	ug/L	92	1			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	43.6	ug/L	87	0			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	43.1	ug/L	86	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.4	ug/L	91	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	44.8	ug/L	90	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	46.5	ug/L	93	1			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	46.3	ug/L	93	2			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	45.2	ug/L	90	2			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	47.1	ug/L	94	4			70 (66)	130 (115)	20 (20)
	Naphthalene	50	44.8	ug/L	90	2			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	14.4	ug/L	29	1	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	43.9	ug/L	88	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	49.9	ug/L	100	0			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	45.8	ug/L	92	2			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	44.9	ug/L	90	4			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	94.2	ug/L	94	4			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	47.2	ug/L	94	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	45.9	ug/L	92	2			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	45.0	ug/L	90	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.3	ug/L	91	2			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	45.4	ug/L	91	0			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	46.6	ug/L	93	2			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	45.4	ug/L	91	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.1	ug/L	92	0			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	25.6	ug/L	51	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	49.9	ug/L	100	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	96.9	ug/L	97	2			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	44.7	ug/L	89	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	47.6	ug/L	95	1			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	46.6	ug/L	93	0			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	45.1	ug/L	90	2			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.7	ug/L	89	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	46.6	ug/L	93	2			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	48.8	ug/L	98	2			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	45.1	ug/L	90	2			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	45.2	ug/L	90	3			70 (73)	130 (103)	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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168285BSD	Hexachlorobenzene	50	44.6	ug/L	89	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	49.8	ug/L	100	2			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	92.4	ug/L	92	1			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	44.9	ug/L	90	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	44.9	ug/L	90	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.0	ug/L	92	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	47.9	ug/L	96	3			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.9	ug/L	90	2			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.6	ug/L	91	2			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.3	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	22.2	ug/L	44	3	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.6	ug/L	95	4			70 (62)	130 (107)	20 (20)
	Chrysene	50	44.8	ug/L	90	4			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	48.5	ug/L	97	5			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	47.1	ug/L	94	6			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.5	ug/L	93	5			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	47.3	ug/L	95	7			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	47.5	ug/L	95	2			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	46.3	ug/L	93	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	46.6	ug/L	93	3			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.6	ug/L	91	3			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89	0			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	36.5	ug/L	73	1			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	46.0	ug/L	92	0			70 (63)	130 (116)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142750.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168259BS	Benzaldehyde	1700	1100	ug/Kg	65				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1600	ug/Kg	94				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	700	ug/Kg	41		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1700	ug/Kg	100				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	910	ug/Kg	54		*		70 (28)	130 (100)	
	Acenaphthene	1700	1700	ug/Kg	100				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				20 (37)	160 (128)	
	4-Nitrophenol	3300	3000	ug/Kg	91				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142750.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168259BS	Hexachlorobenzene	1700	1700	ug/Kg	100				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3300	ug/Kg	100				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1800	ug/Kg	106				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	950	ug/Kg	56		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1700	ug/Kg	100				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168259BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142641.D Lab Sample ID: PB168259BL

Instrument ID: BNA_F Date Extracted: 06/04/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/06/2025

Level: (low/med) LOW Time Analyzed: 12:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-187-SB02	Q2177-04	BF142652.D	06/06/2025
COMP-13MS	Q2194-03MS	BF142629.D	06/05/2025
COMP-13MSD	Q2194-03MSD	BF142630.D	06/05/2025
PB168259BS	PB168259BS	BF142750.D	06/12/2025
B-187-SB01	Q2177-02	BP024895.D	06/10/2025
B-202-SB01	Q2177-06	BP024899.D	06/10/2025

COMMENTS:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168285BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142626.D Lab Sample ID: PB168285BL

Instrument ID: BNA_F Date Extracted: 06/04/2025

Matrix: (soil/water) Water Date Analyzed: 06/05/2025

Level: (low/med) LOW Time Analyzed: 11:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB05312025	Q2177-08	BF142658.D	06/06/2025
PB168285BS	PB168285BS	BF142727.D	06/11/2025
PB168285BSD	PB168285BSD	BF142728.D	06/11/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 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	6.6
275	10.0 - 60.0% of mass 198	29.9
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 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142624.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	17.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142625.D	06/05/2025	09:37
PB168285BL	PB168285BL	BF142626.D	06/05/2025	11:04
COMP-13MS	Q2194-03MS	BF142629.D	06/05/2025	12:38
COMP-13MSD	Q2194-03MSD	BF142630.D	06/05/2025	13:07

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142639.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
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	6.6
275	10.0 - 60.0% of mass 198	28.0
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	17.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142640.D	06/06/2025	11:36
PB168259BL	PB168259BL	BF142641.D	06/06/2025	12:06
B-187-SB02	Q2177-04	BF142652.D	06/06/2025	18:01
EB05312025	Q2177-08	BF142658.D	06/06/2025	21:02

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142710.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	45.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	18.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142722.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.9
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	6.6
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	17.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142723.D	06/11/2025	09:24
PB168285BS	PB168285BS	BF142727.D	06/11/2025	11:21
PB168285BSD	PB168285BSD	BF142728.D	06/11/2025	11:50

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142747.D DFTPP Injection Date: 06/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	48.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	17.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142748.D	06/12/2025	09:50
PB168259BS	PB168259BS	BF142750.D	06/12/2025	11:25

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
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	6.6
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BP024887.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 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	6.8
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (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	BP024888.D	06/10/2025	10:53
B-187-SB01	Q2177-02	BP024895.D	06/10/2025	15:46
B-202-SB01	Q2177-06	BP024899.D	06/10/2025	18:30

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BP024904.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	30.8
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024905.D	06/11/2025	10:09
B-187-SB01DL	Q2177-02DL	BP024917.D	06/11/2025	18:27

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2025

Lab File ID: BF142625.D Time Analyzed: 09:37

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	122240	6.898	479356	8.18	254347	9.94
	UPPER LIMIT	244480	7.398	958712	8.681	508694	10.439
	LOWER LIMIT	61120	6.398	239678	7.681	127174	9.439
	EPA SAMPLE NO.						
01	PB168285BL	122182	6.89	466755	8.18	253840	9.93
02	COMP-13MS	122190	6.90	451779	8.18	216895	9.94
03	COMP-13MSD	123357	6.90	463790	8.18	232069	9.94

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2025

Lab File ID: BF142625.D Time Analyzed: 09:37

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	415186	11.427	211462	14.068	258069	15.562
	UPPER LIMIT	830372	11.927	422924	14.568	516138	16.062
	LOWER LIMIT	207593	10.927	105731	13.568	129035	15.062
	EPA SAMPLE NO.						
01	PB168285BL	433273	11.42	225137	14.07	234045	15.56
02	COMP-13MS	322012	11.43	234738	14.07	279656	15.56
03	COMP-13MSD	359383	11.43	228816	14.07	274428	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	126582	6.893	487381	8.18	254808	9.94
	UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
	LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
	EPA SAMPLE NO.						
01	PB168259BL	125991	6.89	479451	8.18	262840	9.93
02	B-187-SB02	127118	6.89	464348	8.18	242206	9.93
03	EB05312025	110379	6.89	418699	8.18	221656	9.93

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	375492	11.428	207998	14.069	270482	15.563
	UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
	LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
	EPA SAMPLE NO.						
01	PB168259BL	462327	11.42	248067	14.07	250839	15.56
02	B-187-SB02	341702	11.42	233121	14.06	281873	15.56
03	EB05312025	326437	11.42	208673	14.06	249927	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	78219	6.892	306828	8.18	172169	9.94
	UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
	LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
	EPA SAMPLE NO.						
01	PB168285BS	75631	6.89	294551	8.18	162704	9.93
02	PB168285BSD	79958	6.89	304653	8.18	167586	9.94

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	291189	11.427	151467	14.068	144700	15.562
	UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
	LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
	EPA SAMPLE NO.						
01	PB168285BS	278222	11.43	147780	14.07	156697	15.56
02	PB168285BSD	281985	11.43	148975	14.07	159540	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	70133	6.892	258971	8.18	130776	9.93
	UPPER LIMIT	140266	7.392	517942	8.675	261552	10.433
	LOWER LIMIT	35066.5	6.392	129486	7.675	65388	9.433
	EPA SAMPLE NO.						
01	PB168259BS	68728	6.89	259756	8.18	133412	9.93

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	201441	11.422	120471	14.068	146263	15.562
	UPPER LIMIT	402882	11.922	240942	14.568	292526	16.062
	LOWER LIMIT	100721	10.922	60235.5	13.568	73131.5	15.062
	EPA SAMPLE NO.						
01	PB168259BS	196055	11.42	125134	14.07	151859	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	264162	7.602	1106060	10.37	714331	14.24
	UPPER LIMIT	528324	8.102	2212120	10.872	1428660	14.742
	LOWER LIMIT	132081	7.102	553030	9.872	357166	13.742
	EPA SAMPLE NO.						
01	B-187-SB01	259952	7.61	1064330	10.38	672188	14.26
02	B-202-SB01	258806	7.61	1052780	10.38	660296	14.25

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1406880	17.048	1508870	21.466	1759120	24.707
	UPPER LIMIT	2813760	17.548	3017740	21.966	3518240	25.207
	LOWER LIMIT	703440	16.548	754435	20.966	879560	24.207
	EPA SAMPLE NO.						
01	B-187-SB01	1296140	17.07	1315800	21.51	1598310	24.76
02	B-202-SB01	1279800	17.05	1406580	21.49	1730550	24.77

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	246136	7.607	989564	10.38	627529	14.25
	UPPER LIMIT	492272	8.107	1979130	10.878	1255060	14.754
	LOWER LIMIT	123068	7.107	494782	9.878	313765	13.754
	EPA SAMPLE NO.						
01	B-187-SB01DL	219933	7.61	879842	10.38	533152	14.25

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1260450	17.06	1315010	21.501	1616000	24.765
	UPPER LIMIT	2520900	17.56	2630020	22.001	3232000	25.265
	LOWER LIMIT	630225	16.56	657505	21.001	808000	24.265
	EPA SAMPLE NO.						
01	B-187-SB01DL	1070450	17.06	1300160	21.49	1571240	24.75

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

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.1		30 (18) - 130 (107)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	78.9		30 (10) - 130 (105)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.892			
1146-65-2	Naphthalene-d8	479000	8.175			
15067-26-2	Acenaphthene-d10	263000	9.933			
1517-22-2	Phenanthrene-d10	462000	11.422			
1719-03-5	Chrysene-d12	248000	14.068			
1520-96-3	Perylene-d12	251000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A		5.13	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	95.3	J		17.3	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:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB168259BL			SDG No.:	Q2177
Lab Sample ID:	PB168259BL			Matrix:	SOIL
Analytical Method:	8270E			% 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
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

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

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.2		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	78.1		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.892			
1146-65-2	Naphthalene-d8	467000	8.181			
15067-26-2	Acenaphthene-d10	254000	9.933			
1517-22-2	Phenanthrene-d10	433000	11.421			
1719-03-5	Chrysene-d12	225000	14.068			
1520-96-3	Perylene-d12	234000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.90	A		5.13	ug/L

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	700		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	910		46.0	170	ug/Kg
83-32-9	Acenaphthene	1700		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1700		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1700		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	950		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1700		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		19.0	170	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.0		30 (18) - 130 (107)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	72.5		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68700	6.893			
1146-65-2	Naphthalene-d8	260000	8.175			
15067-26-2	Acenaphthene-d10	133000	9.934			
1517-22-2	Phenanthrene-d10	196000	11.422			
1719-03-5	Chrysene-d12	125000	14.069			
1520-96-3	Perylene-d12	152000	15.563			

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:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	32.2		3.90	10.0	ug/L
108-95-2	Phenol	44.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	45.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.1		1.30	5.00	ug/L
98-86-2	Acetophenone	44.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.7		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.4		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.6		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	45.4		0.52	5.00	ug/L
91-20-3	Naphthalene	43.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.1		0.54	5.00	ug/L
105-60-2	Caprolactam	50.0		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.9		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	43.3		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.6	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.9		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.3		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.61	5.00	ug/L

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:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	44.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.3		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	50.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	98.9	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.0		1.20	5.00	ug/L
84-66-2	Diethylphthalate	46.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.68	5.00	ug/L
86-73-7	Fluorene	43.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.5		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.1		0.52	5.00	ug/L
1912-24-9	Atrazine	50.6		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	93.6	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.5		0.50	5.00	ug/L
120-12-7	Anthracene	44.2		0.61	5.00	ug/L
86-74-8	Carbazole	45.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.3		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.7		0.82	5.00	ug/L
129-00-0	Pyrene	46.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	21.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.45	5.00	ug/L
218-01-9	Chrysene	46.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.3		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	44.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.8		0.49	5.00	ug/L

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:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.0		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.1		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.8		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (23) - 110 (138)	84%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.8		30 (67) - 130 (132)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.2		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	81.8		30 (42) - 130 (152)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75600	6.892			
1146-65-2	Naphthalene-d8	295000	8.175			
15067-26-2	Acenaphthene-d10	163000	9.933			
1517-22-2	Phenanthrene-d10	278000	11.427			
1719-03-5	Chrysene-d12	148000	14.068			
1520-96-3	Perylene-d12	157000	15.562			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	31.8		3.90	10.0	ug/L
108-95-2	Phenol	44.2		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.8		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.2		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.8		1.30	5.00	ug/L
98-86-2	Acetophenone	45.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.1		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.4		0.76	5.00	ug/L
78-59-1	Isophorone	44.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.5		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.1		0.52	5.00	ug/L
91-20-3	Naphthalene	44.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.4		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.9		0.54	5.00	ug/L
105-60-2	Caprolactam	49.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	94.2	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.9		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.0		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.3		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	46.6		0.61	5.00	ug/L

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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.6		1.10	5.00	ug/L
83-32-9	Acenaphthene	49.9		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	96.9	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	46.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.1		0.68	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.8		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.1		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.6		0.52	5.00	ug/L
1912-24-9	Atrazine	49.8		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.4	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.9		0.50	5.00	ug/L
120-12-7	Anthracene	44.9		0.61	5.00	ug/L
86-74-8	Carbazole	46.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.9		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.9		0.82	5.00	ug/L
129-00-0	Pyrene	45.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	22.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.6		0.45	5.00	ug/L
218-01-9	Chrysene	44.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.5		0.49	5.00	ug/L

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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.5		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.5		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.0		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.4		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.6		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80000	6.893			
1146-65-2	Naphthalene-d8	305000	8.181			
15067-26-2	Acenaphthene-d10	168000	9.939			
1517-22-2	Phenanthrene-d10	282000	11.428			
1719-03-5	Chrysene-d12	149000	14.069			
1520-96-3	Perylene-d12	160000	15.563			

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06 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
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	800		110	220	ug/Kg
108-95-2	Phenol	970		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		16.6	120	ug/Kg
95-48-7	2-Methylphenol	950		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		25.5	120	ug/Kg
98-86-2	Acetophenone	980		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	910		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		11.9	120	ug/Kg
98-95-3	Nitrobenzene	1000		12.4	120	ug/Kg
78-59-1	Isophorone	960		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1100		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	980		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	980		19.2	120	ug/Kg
91-20-3	Naphthalene	990		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	570		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		17.2	120	ug/Kg
105-60-2	Caprolactam	990		35.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	960		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	78.7	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		19.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.6	120	ug/Kg
131-11-3	Dimethylphthalate	980		18.4	120	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06 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
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	680		31.2	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	72.6	220	ug/Kg
132-64-9	Dibenzofuran	990		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	940		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		18.1	120	ug/Kg
86-73-7	Fluorene	970		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	990		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.2	120	ug/Kg
1912-24-9	Atrazine	1100		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	1000		14.2	120	ug/Kg
120-12-7	Anthracene	1000		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		32.5	120	ug/Kg
206-44-0	Fluoranthene	1100		20.4	120	ug/Kg
129-00-0	Pyrene	770		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		48.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.9	120	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06 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
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	980		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		19.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		17.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	910		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.7		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	81.8		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.9		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.7		30 (20) - 130 (109)	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.7		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		30 (10) - 130 (105)	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			
1146-65-2	Naphthalene-d8	452000	8.181			
15067-26-2	Acenaphthene-d10	217000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	235000	14.069			
1520-96-3	Perylene-d12	280000	15.563			

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	800		110	220	ug/Kg
108-95-2	Phenol	970		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		16.6	120	ug/Kg
95-48-7	2-Methylphenol	970		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		25.4	120	ug/Kg
98-86-2	Acetophenone	970		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	920		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		11.9	120	ug/Kg
98-95-3	Nitrobenzene	990		12.4	120	ug/Kg
78-59-1	Isophorone	950		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1100		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.2	120	ug/Kg
91-20-3	Naphthalene	980		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	540		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	970		17.2	120	ug/Kg
105-60-2	Caprolactam	1000		35.3	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	930		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	950		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	78.7	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		19.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.6	120	ug/Kg
131-11-3	Dimethylphthalate	980		18.4	120	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	670		31.2	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	72.6	220	ug/Kg
132-64-9	Dibenzofuran	970		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	960		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		18.1	120	ug/Kg
86-73-7	Fluorene	960		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	1000		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.2	120	ug/Kg
1912-24-9	Atrazine	1100		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	990		14.2	120	ug/Kg
120-12-7	Anthracene	990		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		32.5	120	ug/Kg
206-44-0	Fluoranthene	1000		20.4	120	ug/Kg
129-00-0	Pyrene	840		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		48.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	980		12.9	120	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		19.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		17.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	910		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.9		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	82.3		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.1		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.1		30 (20) - 130 (109)	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.4		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		30 (10) - 130 (105)	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.898			
1146-65-2	Naphthalene-d8	464000	8.181			
15067-26-2	Acenaphthene-d10	232000	9.939			
1517-22-2	Phenanthrene-d10	359000	11.427			
1719-03-5	Chrysene-d12	229000	14.068			
1520-96-3	Perylene-d12	274000	15.557			

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 11 05:56:09 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF1427
19.D

		Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40
3)		Pyridine		1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00
4)		n-Nitrosodimet...			0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36
5)	S	2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55
6)		Aniline		1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83
7)	S	Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67
8)		2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09
9)		Benzaldehyde			0.943	0.950	0.839	0.839	0.708		0.856	11.52
10)	C	Phenol		1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42
11)		bis(2-Chloroet...		1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29
12)		1,3-Dichlorobe...		1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08
13)	C	1,4-Dichlorobe...		1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34
14)		1,2-Dichlorobe...		1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83
15)		Benzyl Alcohol			0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95
16)		2,2'-oxybis(1-...		1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03
17)		2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61
18)		Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69
19)	P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)		3+4-Methylphenols			1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79
23)	S	Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24
24)		Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10
25)		Isophorone		0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77
26)	C	2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92
27)		2,4-Dimethylph...		0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14
28)		bis(2-Chloroet...		0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31
29)	C	2,4-Dichloroph...		0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51
30)		1,2,4-Trichlor...		0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42
31)		Naphthalene		1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20
32)		Benzoic acid			0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16
33)		4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68
34)	C	Hexachlorobuta...		0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41
35)		Caprolactam			0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82
36)	C	4-Chloro-3-met...		0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76
37)		2-Methylnaphth...		0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72
38)		1-Methylnaphth...		0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64
41)	P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64
42)	S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28
43)	C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79
44)		2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61
45)	S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04
46)		1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39
47)		2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82
48)		2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38
49)		Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65
50)		Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42
51)		2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49
52)	C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80
53)		3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08
54)	P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18
55)		Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93
56)	P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42
57)		2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73
58)		Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49
59)		2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58
60)		Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55
61)		4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84
62)		4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58
63)		Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17
66)	c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45
67)		4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52
68)		Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17
69)		Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33
70)	C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80
71)		Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61
72)		Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96
73)		Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07
74)		Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76
75)	C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40
78)		Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75
79)	S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11
80)		Butylbenzylpht...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67
81)		Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94
82)		3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88
83)		Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72
84)		Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02
85)	c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.438	1.406	1.458	1.498	1.602	1.514	1.460	1.482	4.31
88)		Benzo(b)fluora...	1.256	1.094	1.112	1.162	1.230	1.251	1.139	1.178	5.71
89)		Benzo(k)fluora...	1.236	1.178	1.245	1.076	1.189	1.035	1.039	1.143	7.94
90)	C	Benzo(a)pyrene	1.164	1.085	1.122	1.104	1.184	1.111	1.068	1.120	3.70
91)		Dibenzo(a,h)an...	1.134	1.176	1.214	1.236	1.318	1.222	1.172	1.210	4.87
92)		Benzo(g,h,i)pe...	1.201	1.164	1.178	1.216	1.295	1.207	1.163	1.203	3.77

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/05/2025 09:37

Lab File ID: BF142625.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.797		-7.2	
Phenol-d6	1.429	1.381		-3.4	
Phenol	1.608	1.568		-2.5	20.0
bis(2-Chloroethyl)ether	1.157	1.130		-2.3	
2-Chlorophenol	1.293	1.266		-2.1	
2-Methylphenol	1.010	0.977		-3.3	
2,2-oxybis(1-Chloropropane)	1.944	1.876		-3.5	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.213		-6.2	
n-Nitroso-di-n-propylamine	0.886	0.819	0.050	-7.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.492		-3.0	
Nitrobenzene	0.331	0.312		-5.7	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.301		-3.5	
bis(2-Chloroethoxy)methane	0.383	0.362		-5.5	
2,4-Dichlorophenol	0.283	0.271		-4.2	20.0
Naphthalene	0.985	0.923		-6.3	
4-Chloroaniline	0.399	0.383		-4.0	
Hexachlorobutadiene	0.192	0.176		-8.3	20.0
Caprolactam	0.080	0.076		-5.0	
4-Chloro-3-methylphenol	0.291	0.267		-8.2	20.0
2-Methylnaphthalene	0.620	0.579		-6.6	
Hexachlorocyclopentadiene	0.387	0.335	0.050	-13.4	
2,4,6-Trichlorophenol	0.387	0.374		-3.4	20.0
2-Fluorobiphenyl	1.490	1.337		-10.3	
2,4,5-Trichlorophenol	0.408	0.388		-4.9	
1,1-Biphenyl	1.552	1.449		-6.6	
2-Chloronaphthalene	1.146	1.076		-6.1	
2-Nitroaniline	0.331	0.320		-3.3	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.816		-6.2	
2,6-Dinitrotoluene	0.285	0.273		-4.2	
3-Nitroaniline	0.311	0.300		-3.5	
Acenaphthene	1.182	1.097		-7.2	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.203	0.050	-11.7	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/05/2025 09:37

Lab File ID: BF142625.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.577		-7.3	
2,4-Dinitrotoluene	0.372	0.363		-2.4	
Diethylphthalate	1.289	1.178		-8.6	
4-Chlorophenyl-phenylether	0.646	0.598		-7.4	
Fluorene	1.314	1.218		-7.3	
4-Nitroaniline	0.282	0.267		-5.3	
4,6-Dinitro-2-methylphenol	0.112	0.112		0.0	
n-Nitrosodiphenylamine	0.684	0.646		-5.6	20.0
2,4,6-Tribromophenol	0.222	0.204		-8.1	
4-Bromophenyl-phenylether	0.236	0.225		-4.7	
Hexachlorobenzene	0.262	0.250		-4.6	
Atrazine	0.182	0.167		-8.2	
Pentachlorophenol	0.148	0.131		-11.5	20.0
Phenanthrene	1.069	0.989		-7.5	
Anthracene	1.091	1.031		-5.5	
Carbazole	0.933	0.860		-7.8	
Di-n-butylphthalate	1.021	0.896		-12.2	
Fluoranthene	0.999	0.904		-9.5	20.0
Pyrene	1.866	1.715		-8.1	
Terphenyl-d14	1.464	1.276		-12.8	
Butylbenzylphthalate	0.516	0.506		-1.9	
3,3-Dichlorobenzidine	0.405	0.454		12.1	
Benzo(a)anthracene	1.336	1.249		-6.5	
Chrysene	1.200	1.151		-4.1	
Bis(2-ethylhexyl)phthalate	0.660	0.753		14.1	
Di-n-octyl phthalate	1.290	1.450		12.4	20.0
Benzo(b)fluoranthene	1.184	1.181		-0.3	
Benzo(k)fluoranthene	1.109	0.934		-15.8	
Benzo(a)pyrene	1.116	1.056		-5.4	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.303		-13.2	
Dibenzo(a,h)anthracene	1.218	1.058		-13.1	
Benzo(g,h,i)perylene	1.218	1.053		-13.5	
1,2,4,5-Tetrachlorobenzene	0.574	0.549		-4.4	
1,4-Dioxane	0.475	0.480		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.322		-5.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.121		-5.6	
Benzaldehyde	0.859	0.766		-10.8	
Phenol-d6	1.429	1.356		-5.1	
Phenol	1.608	1.531		-4.8	20.0
bis(2-Chloroethyl)ether	1.157	1.138		-1.6	
2-Chlorophenol	1.293	1.241		-4.0	
2-Methylphenol	1.010	0.964		-4.6	
2,2-oxybis(1-Chloropropane)	1.944	1.880		-3.3	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.177		-9.0	
n-Nitroso-di-n-propylamine	0.886	0.812	0.050	-8.4	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.489		-3.5	
Nitrobenzene	0.331	0.311		-6.0	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.292		-6.4	
bis(2-Chloroethoxy)methane	0.383	0.361		-5.7	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.926		-6.0	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.071		-11.3	
4-Chloro-3-methylphenol	0.291	0.262		-10.0	20.0
2-Methylnaphthalene	0.620	0.577		-6.9	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2,4,6-Trichlorophenol	0.387	0.375		-3.1	20.0
2-Fluorobiphenyl	1.490	1.353		-9.2	
2,4,5-Trichlorophenol	0.408	0.381		-6.6	
1,1-Biphenyl	1.552	1.469		-5.3	
2-Chloronaphthalene	1.146	1.112		-3.0	
2-Nitroaniline	0.331	0.307		-7.3	
Dimethylphthalate	1.320	1.176		-10.9	
Acenaphthylene	1.936	1.812		-6.4	
2,6-Dinitrotoluene	0.285	0.258		-9.5	
3-Nitroaniline	0.311	0.273		-12.2	
Acenaphthene	1.182	1.087		-8.0	20.0
2,4-Dinitrophenol	0.147	0.127	0.050	-13.6	
4-Nitrophenol	0.230	0.182	0.050	-20.9	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.563		-8.1	
2,4-Dinitrotoluene	0.372	0.330		-11.3	
Diethylphthalate	1.289	1.095		-15.1	
4-Chlorophenyl-phenylether	0.646	0.584		-9.6	
Fluorene	1.314	1.186		-9.7	
4-Nitroaniline	0.282	0.233		-17.4	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.680		-0.6	20.0
2,4,6-Tribromophenol	0.222	0.192		-13.5	
4-Bromophenyl-phenylether	0.236	0.239		1.3	
Hexachlorobenzene	0.262	0.263		0.4	
Atrazine	0.182	0.168		-7.7	
Pentachlorophenol	0.148	0.135		-8.8	20.0
Phenanthrene	1.069	1.013		-5.2	
Anthracene	1.091	1.048		-3.9	
Carbazole	0.933	0.847		-9.2	
Di-n-butylphthalate	1.021	0.903		-11.6	
Fluoranthene	0.999	0.880		-11.9	20.0
Pyrene	1.866	1.563		-16.2	
Terphenyl-d14	1.464	1.196		-18.3	
Butylbenzylphthalate	0.516	0.527		2.1	
3,3-Dichlorobenzidine	0.405	0.465		14.8	
Benzo(a)anthracene	1.336	1.219		-8.8	
Chrysene	1.200	1.183		-1.4	
Bis(2-ethylhexyl)phthalate	0.660	0.831		25.9	
Di-n-octyl phthalate	1.290	1.594		23.6	20.0
Benzo(b)fluoranthene	1.184	1.106		-6.6	
Benzo(k)fluoranthene	1.109	0.999		-9.9	
Benzo(a)pyrene	1.116	1.052		-5.7	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.380		-8.1	
Dibenzo(a,h)anthracene	1.218	1.119		-8.1	
Benzo(g,h,i)perylene	1.218	1.111		-8.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.558		-2.8	
1,4-Dioxane	0.475	0.477		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.306		-10.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.141		-2.8	
Benzaldehyde	0.856	0.818		-4.4	
Phenol-d6	1.382	1.367		-1.1	
Phenol	1.536	1.528		-0.5	20.0
bis(2-Chloroethyl)ether	1.147	1.136		-1.0	
2-Chlorophenol	1.283	1.259		-1.9	
2-Methylphenol	0.984	0.985		0.1	
2,2-oxybis(1-Chloropropane)	1.806	1.799		-0.4	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.240	1.242		0.2	
n-Nitroso-di-n-propylamine	0.880	0.889	0.050	1.0	
Nitrobenzene-d5	0.365	0.358		-1.9	
Hexachloroethane	0.530	0.508		-4.2	
Nitrobenzene	0.324	0.320		-1.2	
Isophorone	0.619	0.614		-0.8	
2-Nitrophenol	0.181	0.182		0.6	20.0
2,4-Dimethylphenol	0.308	0.305		-1.0	
bis(2-Chloroethoxy)methane	0.384	0.380		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	0.989	0.976		-1.3	
4-Chloroaniline	0.397	0.399		0.5	
Hexachlorobutadiene	0.200	0.197		-1.5	20.0
Caprolactam	0.077	0.080		3.9	
4-Chloro-3-methylphenol	0.296	0.295		-0.3	20.0
2-Methylnaphthalene	0.626	0.619		-1.1	
Hexachlorocyclopentadiene	0.372	0.369	0.050	-0.8	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.452		-3.5	
2,4,5-Trichlorophenol	0.405	0.395		-2.5	
1,1-Biphenyl	1.553	1.516		-2.4	
2-Chloronaphthalene	1.144	1.134		-0.9	
2-Nitroaniline	0.325	0.326		0.3	
Dimethylphthalate	1.336	1.325		-0.8	
Acenaphthylene	1.929	1.891		-2.0	
2,6-Dinitrotoluene	0.289	0.285		-1.4	
3-Nitroaniline	0.313	0.309		-1.3	
Acenaphthene	1.196	1.172		-2.0	20.0
2,4-Dinitrophenol	0.158	0.159	0.050	0.6	
4-Nitrophenol	0.212	0.215	0.050	1.4	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.673		-1.8	
2,4-Dinitrotoluene	0.382	0.392		2.6	
Diethylphthalate	1.324	1.318		-0.5	
4-Chlorophenyl-phenylether	0.657	0.651		-0.9	
Fluorene	1.345	1.301		-3.3	
4-Nitroaniline	0.280	0.290		3.6	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.687	0.667		-2.9	20.0
2,4,6-Tribromophenol	0.219	0.218		-0.5	
4-Bromophenyl-phenylether	0.236	0.233		-1.3	
Hexachlorobenzene	0.262	0.255		-2.7	
Atrazine	0.183	0.192		4.9	
Pentachlorophenol	0.137	0.138		0.7	20.0
Phenanthrene	1.071	1.043		-2.6	
Anthracene	1.108	1.070		-3.4	
Carbazole	0.928	0.921		-0.8	
Di-n-butylphthalate	1.036	1.101		6.3	
Fluoranthene	1.019	1.017		-0.2	20.0
Pyrene	1.859	1.904		2.4	
Terphenyl-d14	1.456	1.502		3.2	
Butylbenzylphthalate	0.550	0.589		7.1	
3,3-Dichlorobenzidine	0.427	0.407		-4.7	
Benzo(a)anthracene	1.325	1.330		0.4	
Chrysene	1.224	1.168		-4.6	
Bis(2-ethylhexyl)phthalate	0.825	0.821		-0.5	
Di-n-octyl phthalate	1.582	1.500		-5.2	20.0
Benzo(b)fluoranthene	1.178	1.192		1.2	
Benzo(k)fluoranthene	1.143	1.132		-1.0	
Benzo(a)pyrene	1.120	1.112		-0.7	20.0
Indeno(1,2,3-cd)pyrene	1.482	1.501		1.3	
Dibenzo(a,h)anthracene	1.210	1.240		2.5	
Benzo(g,h,i)perylene	1.203	1.196		-0.6	
1,2,4,5-Tetrachlorobenzene	0.579	0.567		-2.1	
1,4-Dioxane	0.465	0.450		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.335		-1.5	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.175		0.1	
Benzaldehyde	0.856	0.797		-6.9	
Phenol-d6	1.382	1.342		-2.9	
Phenol	1.536	1.497		-2.5	20.0
bis(2-Chloroethyl)ether	1.147	1.093		-4.7	
2-Chlorophenol	1.283	1.262		-1.6	
2-Methylphenol	0.984	0.951		-3.4	
2,2-oxybis(1-Chloropropane)	1.806	1.699		-5.9	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.240	1.171		-5.6	
n-Nitroso-di-n-propylamine	0.880	0.795	0.050	-9.7	
Nitrobenzene-d5	0.365	0.362		-0.8	
Hexachloroethane	0.530	0.514		-3.0	
Nitrobenzene	0.324	0.324		0.0	
Isophorone	0.619	0.568		-8.2	
2-Nitrophenol	0.181	0.176		-2.8	20.0
2,4-Dimethylphenol	0.308	0.303		-1.6	
bis(2-Chloroethoxy)methane	0.384	0.365		-4.9	
2,4-Dichlorophenol	0.284	0.278		-2.1	20.0
Naphthalene	0.989	0.963		-2.6	
4-Chloroaniline	0.397	0.377		-5.0	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
Caprolactam	0.077	0.066		-14.3	
4-Chloro-3-methylphenol	0.296	0.272		-8.1	20.0
2-Methylnaphthalene	0.626	0.589		-5.9	
Hexachlorocyclopentadiene	0.372	0.359	0.050	-3.5	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.507		0.1	
2,4,5-Trichlorophenol	0.405	0.402		-0.7	
1,1-Biphenyl	1.553	1.558		0.3	
2-Chloronaphthalene	1.144	1.155		1.0	
2-Nitroaniline	0.325	0.314		-3.4	
Dimethylphthalate	1.336	1.248		-6.6	
Acenaphthylene	1.929	1.913		-0.8	
2,6-Dinitrotoluene	0.289	0.266		-8.0	
3-Nitroaniline	0.313	0.290		-7.3	
Acenaphthene	1.196	1.155		-3.4	20.0
2,4-Dinitrophenol	0.158	0.125	0.050	-20.9	
4-Nitrophenol	0.212	0.185	0.050	-12.7	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.644		-3.5	
2,4-Dinitrotoluene	0.382	0.352		-7.9	
Diethylphthalate	1.324	1.176		-11.2	
4-Chlorophenyl-phenylether	0.657	0.619		-5.8	
Fluorene	1.345	1.257		-6.5	
4-Nitroaniline	0.280	0.254		-9.3	
4,6-Dinitro-2-methylphenol	0.125	0.114		-8.8	
n-Nitrosodiphenylamine	0.687	0.684		-0.4	20.0
2,4,6-Tribromophenol	0.219	0.199		-9.1	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.262	0.254		-3.1	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.137	0.127		-7.3	20.0
Phenanthrene	1.071	1.031		-3.7	
Anthracene	1.108	1.071		-3.3	
Carbazole	0.928	0.892		-3.9	
Di-n-butylphthalate	1.036	0.951		-8.2	
Fluoranthene	1.019	0.949		-6.9	20.0
Pyrene	1.859	1.594		-14.3	
Terphenyl-d14	1.456	1.245		-14.5	
Butylbenzylphthalate	0.550	0.566		2.9	
3,3-Dichlorobenzidine	0.427	0.465		8.9	
Benzo(a)anthracene	1.325	1.297		-2.1	
Chrysene	1.224	1.214		-0.8	
Bis(2-ethylhexyl)phthalate	0.825	0.883		7.0	
Di-n-octyl phthalate	1.582	1.645		4.0	20.0
Benzo(b)fluoranthene	1.178	1.089		-7.6	
Benzo(k)fluoranthene	1.143	1.134		-0.8	
Benzo(a)pyrene	1.120	1.094		-2.3	20.0
Indeno(1,2,3-cd)pyrene	1.482	1.417		-4.4	
Dibenzo(a,h)anthracene	1.210	1.148		-5.1	
Benzo(g,h,i)perylene	1.203	1.125		-6.5	
1,2,4,5-Tetrachlorobenzene	0.579	0.594		2.6	
1,4-Dioxane	0.465	0.477		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.199		0.1	
Benzaldehyde	0.914	0.959		4.9	
Phenol-d6	1.585	1.573		-0.8	
Phenol	1.634	1.630		-0.2	20.0
bis(2-Chloroethyl)ether	1.285	1.306		1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.143		0.2	
2,2-oxybis(1-Chloropropane)	1.682	1.667		-0.9	
Acetophenone	0.505	0.510		1.0	
3+4-Methylphenols	1.557	1.543		-0.9	
n-Nitroso-di-n-propylamine	1.078	1.086	0.050	0.7	
Nitrobenzene-d5	0.412	0.415		0.7	
Hexachloroethane	0.576	0.567		-1.6	
Nitrobenzene	0.366	0.363		-0.8	
Isophorone	0.713	0.722		1.3	
2-Nitrophenol	0.180	0.191		6.1	20.0
2,4-Dimethylphenol	0.309	0.317		2.6	
bis(2-Chloroethoxy)methane	0.426	0.432		1.4	
2,4-Dichlorophenol	0.296	0.306		3.4	20.0
Naphthalene	1.025	1.011		-1.4	
4-Chloroaniline	0.429	0.441		2.8	
Hexachlorobutadiene	0.201	0.205		2.0	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.342	0.345		0.9	20.0
2-Methylnaphthalene	0.650	0.651		0.2	
Hexachlorocyclopentadiene	0.346	0.335	0.050	-3.2	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.475		-0.7	
2,4,5-Trichlorophenol	0.408	0.423		3.7	
1,1-Biphenyl	1.453	1.451		-0.1	
2-Chloronaphthalene	1.117	1.112		-0.4	
2-Nitroaniline	0.343	0.341		-0.6	
Dimethylphthalate	1.475	1.472		-0.2	
Acenaphthylene	1.863	1.865		0.1	
2,6-Dinitrotoluene	0.318	0.321		0.9	
3-Nitroaniline	0.330	0.340		3.0	
Acenaphthene	1.067	1.066		-0.1	20.0
2,4-Dinitrophenol	0.178	0.187	0.050	5.1	
4-Nitrophenol	0.239	0.238	0.050	-0.4	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.701		-0.7	
2,4-Dinitrotoluene	0.445	0.463		4.0	
Diethylphthalate	1.470	1.494		1.6	
4-Chlorophenyl-phenylether	0.677	0.688		1.6	
Fluorene	1.384	1.390		0.4	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.134		2.3	
n-Nitrosodiphenylamine	0.620	0.609		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.294		6.1	
4-Bromophenyl-phenylether	0.226	0.231		2.2	
Hexachlorobenzene	0.274	0.269		-1.8	
Atrazine	0.225	0.233		3.6	
Pentachlorophenol	0.142	0.159		12.0	20.0
Phenanthrene	1.105	1.093		-1.1	
Anthracene	1.119	1.109		-0.9	
Carbazole	1.038	1.036		-0.2	
Di-n-butylphthalate	1.285	1.380		7.4	
Fluoranthene	1.281	1.281		0.0	20.0
Pyrene	1.249	1.222		-2.2	
Terphenyl-d14	1.116	1.120		0.4	
Butylbenzylphthalate	0.572	0.600		4.9	
3,3-Dichlorobenzidine	0.508	0.519		2.2	
Benzo(a)anthracene	1.279	1.262		-1.3	
Chrysene	1.212	1.194		-1.5	
Bis(2-ethylhexyl)phthalate	0.820	0.906		10.5	
Di-n-octyl phthalate	1.445	1.569		8.6	20.0
Benzo(b)fluoranthene	1.145	1.151		0.5	
Benzo(k)fluoranthene	1.165	1.135		-2.6	
Benzo(a)pyrene	1.118	1.119		0.1	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.445		-1.0	
Dibenzo(a,h)anthracene	1.188	1.179		-0.8	
Benzo(g,h,i)perylene	1.179	1.134		-3.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.568		0.0	
1,4-Dioxane	0.527	0.493		-6.5	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.226		2.3	
Benzaldehyde	0.914	0.937		2.5	
Phenol-d6	1.585	1.563		-1.4	
Phenol	1.634	1.618		-1.0	20.0
bis(2-Chloroethyl)ether	1.285	1.265		-1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.112		-2.5	
2,2-oxybis(1-Chloropropane)	1.682	1.580		-6.1	
Acetophenone	0.505	0.502		-0.6	
3+4-Methylphenols	1.557	1.486		-4.6	
n-Nitroso-di-n-propylamine	1.078	1.023	0.050	-5.1	
Nitrobenzene-d5	0.412	0.408		-1.0	
Hexachloroethane	0.576	0.549		-4.7	
Nitrobenzene	0.366	0.359		-1.9	
Isophorone	0.713	0.698		-2.1	
2-Nitrophenol	0.180	0.190		5.6	20.0
2,4-Dimethylphenol	0.309	0.313		1.3	
bis(2-Chloroethoxy)methane	0.426	0.416		-2.3	
2,4-Dichlorophenol	0.296	0.307		3.7	20.0
Naphthalene	1.025	1.019		-0.6	
4-Chloroaniline	0.429	0.431		0.5	
Hexachlorobutadiene	0.201	0.207		3.0	20.0
Caprolactam	0.109	0.111		1.8	
4-Chloro-3-methylphenol	0.342	0.342		0.0	20.0
2-Methylnaphthalene	0.650	0.650		0.0	
Hexachlorocyclopentadiene	0.346	0.317	0.050	-8.4	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.486		0.1	
2,4,5-Trichlorophenol	0.408	0.432		5.9	
1,1-Biphenyl	1.453	1.472		1.3	
2-Chloronaphthalene	1.117	1.114		-0.3	
2-Nitroaniline	0.343	0.347		1.2	
Dimethylphthalate	1.475	1.466		-0.6	
Acenaphthylene	1.863	1.851		-0.6	
2,6-Dinitrotoluene	0.318	0.317		-0.3	
3-Nitroaniline	0.330	0.352		6.7	
Acenaphthene	1.067	1.048		-1.8	20.0
2,4-Dinitrophenol	0.178	0.185	0.050	3.9	
4-Nitrophenol	0.239	0.237	0.050	-0.8	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.692		-1.2	
2,4-Dinitrotoluene	0.445	0.460		3.4	
Diethylphthalate	1.470	1.506		2.4	
4-Chlorophenyl-phenylether	0.677	0.684		1.0	
Fluorene	1.384	1.387		0.2	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.133		1.5	
n-Nitrosodiphenylamine	0.620	0.603		-2.7	20.0
2,4,6-Tribromophenol	0.277	0.297		7.2	
4-Bromophenyl-phenylether	0.226	0.229		1.3	
Hexachlorobenzene	0.274	0.274		0.0	
Atrazine	0.225	0.226		0.4	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.105	1.060		-4.1	
Anthracene	1.119	1.107		-1.1	
Carbazole	1.038	1.030		-0.8	
Di-n-butylphthalate	1.285	1.322		2.9	
Fluoranthene	1.281	1.260		-1.6	20.0
Pyrene	1.249	1.242		-0.6	
Terphenyl-d14	1.116	1.127		1.0	
Butylbenzylphthalate	0.572	0.609		6.5	
3,3-Dichlorobenzidine	0.508	0.535		5.3	
Benzo(a)anthracene	1.279	1.276		-0.2	
Chrysene	1.212	1.188		-2.0	
Bis(2-ethylhexyl)phthalate	0.820	0.891		8.7	
Di-n-octyl phthalate	1.445	1.536		6.3	20.0
Benzo(b)fluoranthene	1.145	1.113		-2.8	
Benzo(k)fluoranthene	1.165	1.124		-3.5	
Benzo(a)pyrene	1.118	1.098		-1.8	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.454		-0.3	
Dibenzo(a,h)anthracene	1.188	1.198		0.8	
Benzo(g,h,i)perylene	1.179	1.152		-2.3	
1,2,4,5-Tetrachlorobenzene	0.568	0.573		0.9	
1,4-Dioxane	0.527	0.507		-3.8	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.375		2.7	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Time: Jun 10 16:31:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

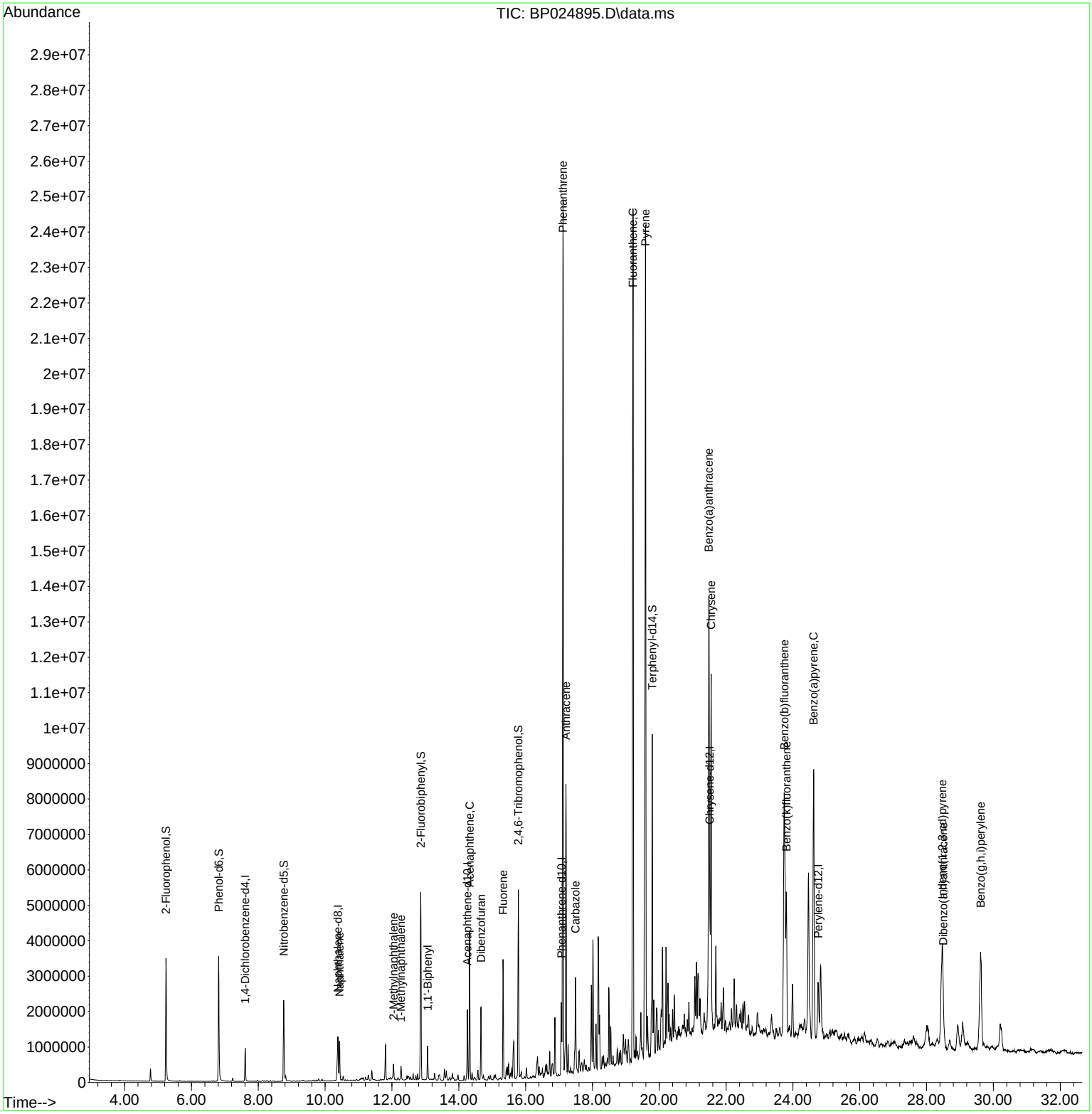
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.607	152	259952	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1064328	20.000	ng		0.00
39) Acenaphthene-d10	14.260	164	672188	20.000	ng		0.01
64) Phenanthrene-d10	17.072	188	1296135	20.000	ng		0.01
76) Chrysene-d12	21.507	240	1315798	20.000	ng		0.02
86) Perylene-d12	24.760	264	1598305	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	1643118	105.508	ng		0.00
7) Phenol-d6	6.813	99	2167494	105.191	ng		0.00
23) Nitrobenzene-d5	8.760	82	1358331	62.016	ng		0.00
42) 2,4,6-Tribromophenol	15.784	330	1038010	111.694	ng		0.00
45) 2-Fluorobiphenyl	12.860	172	2956910	59.259	ng		0.00
79) Terphenyl-d14	19.789	244	4128556	56.235	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.431	128	886539	16.254	ng		99
37) 2-Methylnaphthalene	12.048	142	222518	6.432	ng		99
38) 1-Methylnaphthalene	12.272	142	176000	4.758	ng		100
46) 1,1'-Biphenyl	13.072	154	126040	2.580	ng		99
52) Acenaphthene	14.325	154	1406501	39.209	ng		99
55) Dibenzofuran	14.666	168	1281218	22.250	ng		99
58) Fluorene	15.325	166	1366591	29.379	ng		99
71) Phenanthrene	17.113	178	16031932	223.828	ng		93
72) Anthracene	17.207	178	5026222	69.288	ng		99
73) Carbazole	17.495	167	1759204	26.164	ng		100
75) Fluoranthene	19.213	202	17139546	206.456	ng		90
78) Pyrene	19.583	202	15441651	187.846	ng	#	92
81) Benzo(a)anthracene	21.483	228	8125938	96.558	ng		98
83) Chrysene	21.554	228	6757136	84.740	ng		96
87) Indeno(1,2,3-cd)pyrene	28.471	276	5049444	43.300	ng		95
88) Benzo(b)fluoranthene	23.742	252	9105161	99.541	ng		98
89) Benzo(k)fluoranthene	23.807	252	3188599	34.246	ng		97
90) Benzo(a)pyrene	24.618	252	7622631	85.331	ng		97
91) Dibenzo(a,h)anthracene	28.501	278	1152183	12.138	ng	#	93
92) Benzo(g,h,i)perylene	29.618	276	4866832	51.675	ng		100

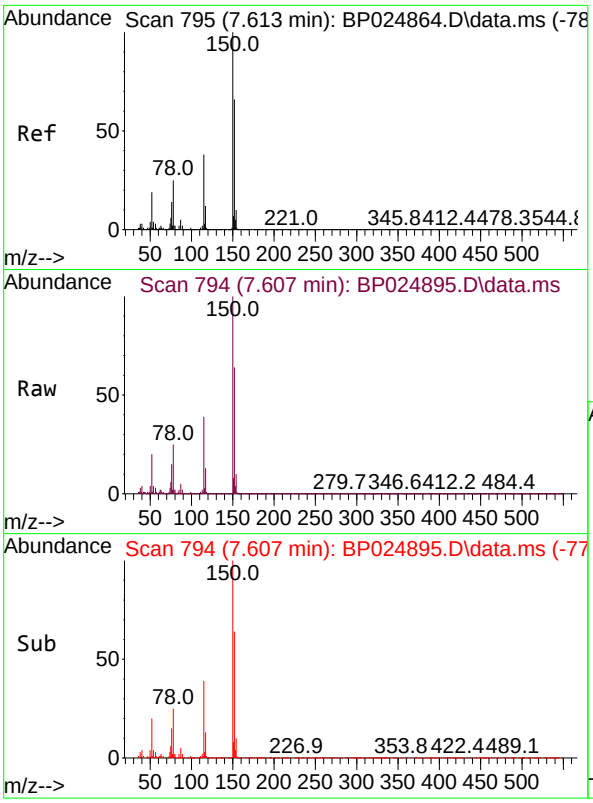
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Time: Jun 10 16:31:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



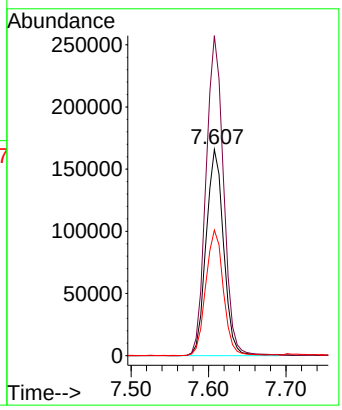


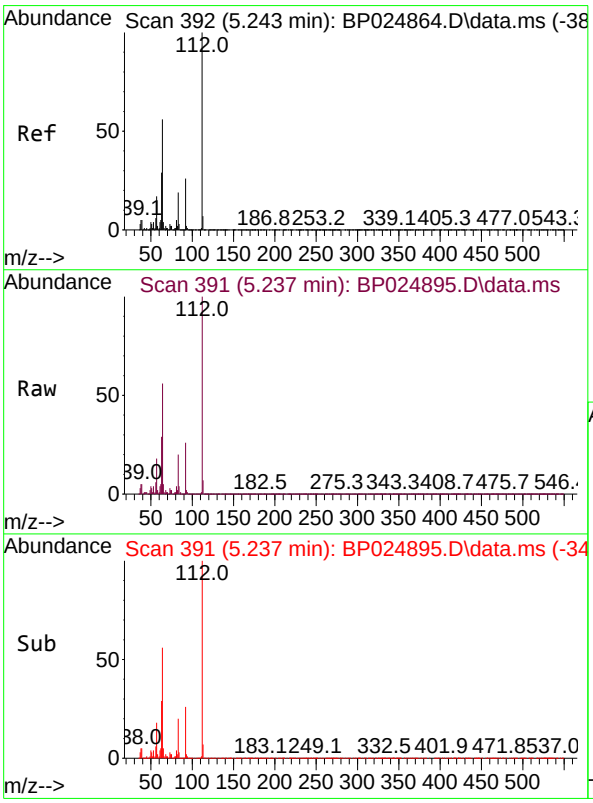
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:152 Resp: 259952

Ion	Ratio	Lower	Upper
152	100		
150	155.1	122.1	183.1
115	60.9	46.4	69.6

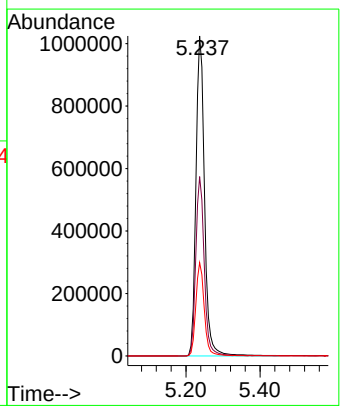


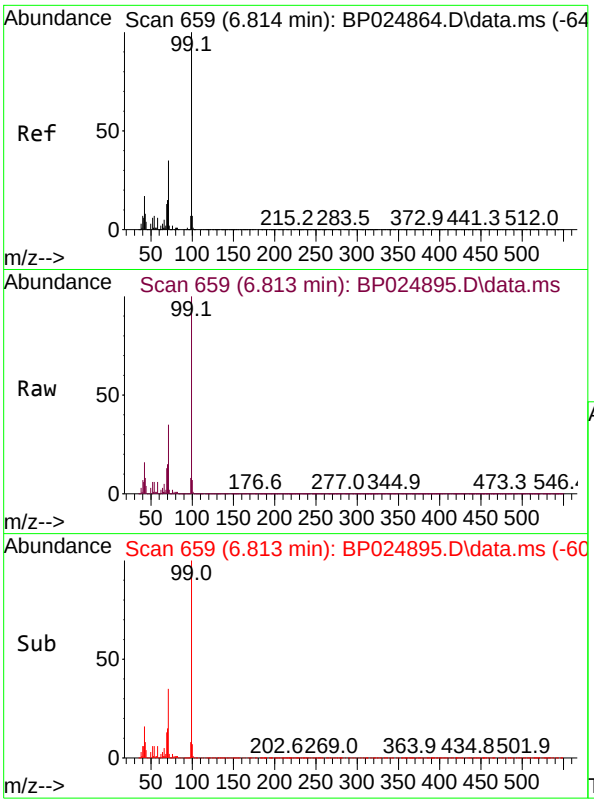


#5
2-Fluorophenol
Concen: 105.508 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:112 Resp: 1643118

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.7	67.1
63	29.2	23.5	35.3



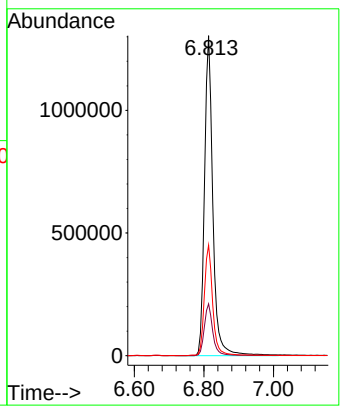


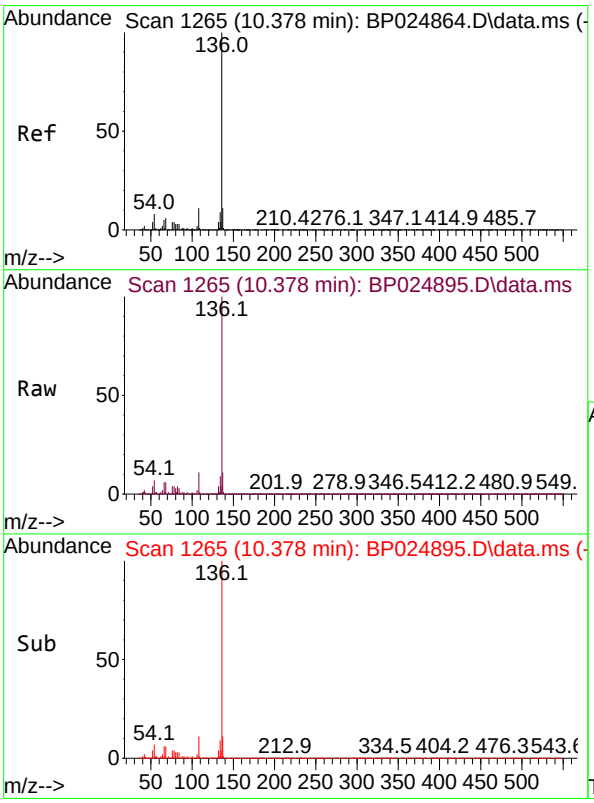
#7
Phenol-d6
Concen: 105.191 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion: 99 Resp: 2167494

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.4	20.2
71	34.5	27.6	41.4

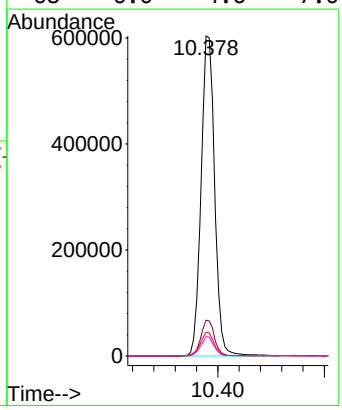


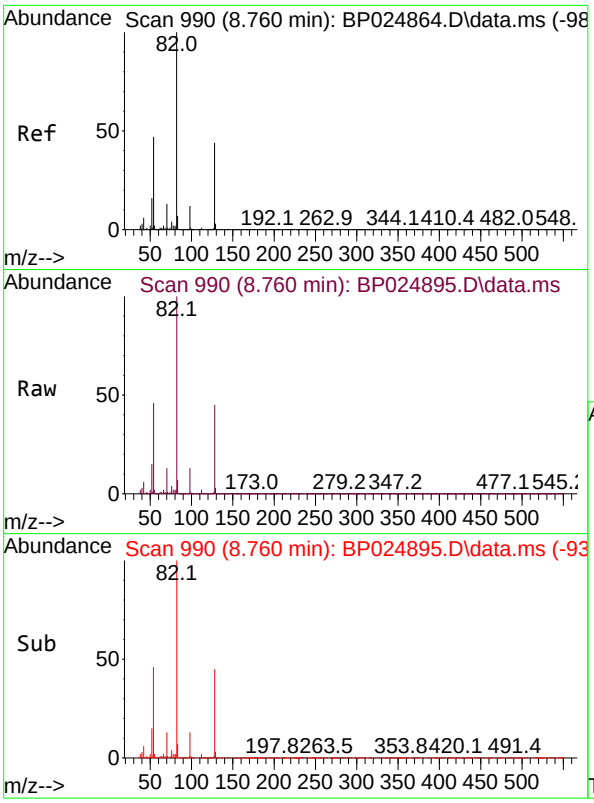


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:136 Resp: 1064328

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.4	6.1	9.1
68	6.0	4.6	7.0



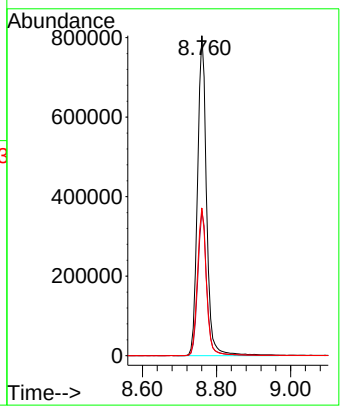


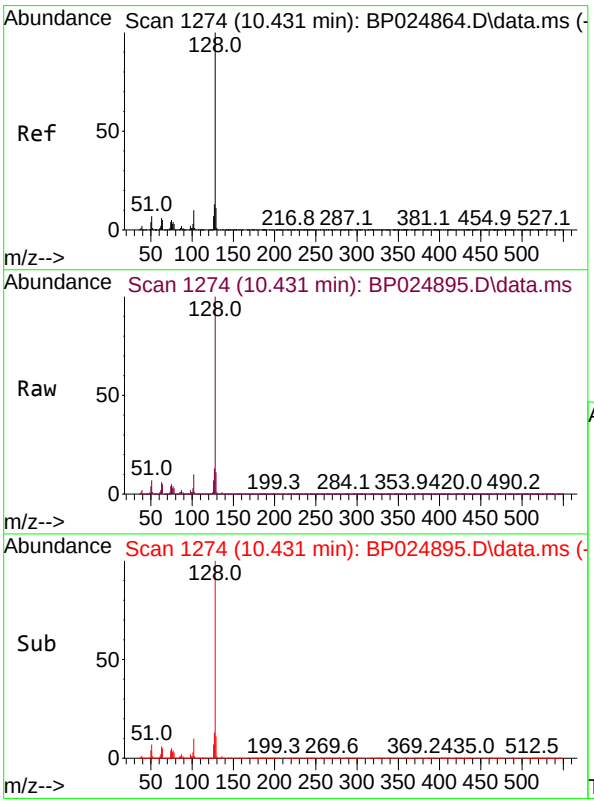
#23
Nitrobenzene-d5
Concen: 62.016 ng
RT: 8.760 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion: 82 Resp: 1358331

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.3	52.9
54	46.1	37.4	56.0

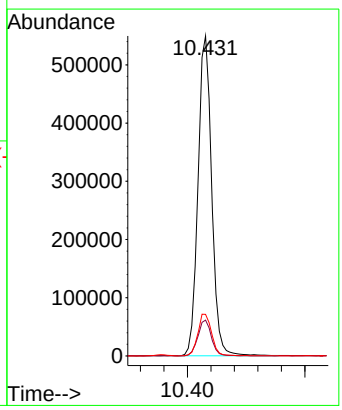


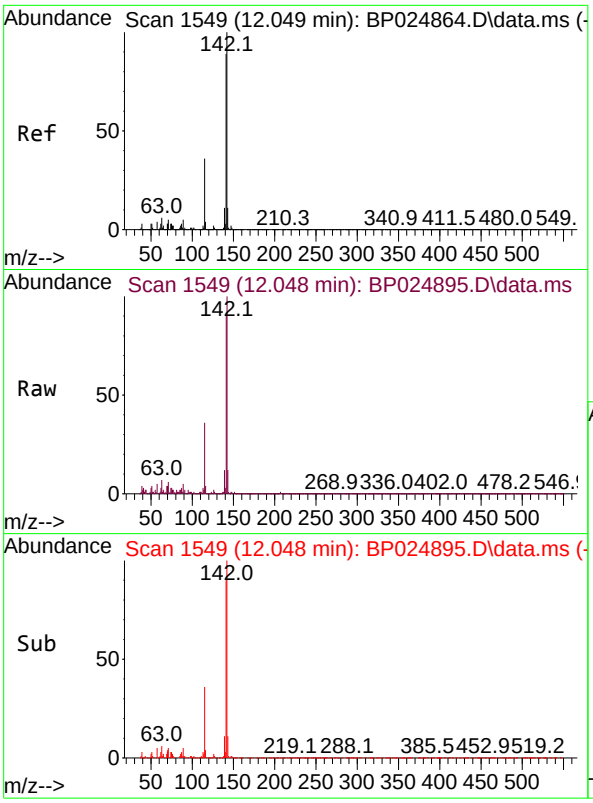


#31
Naphthalene
Concen: 16.254 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:128 Resp: 886539

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.0	10.7	16.1



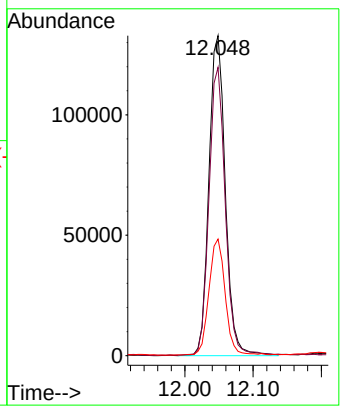


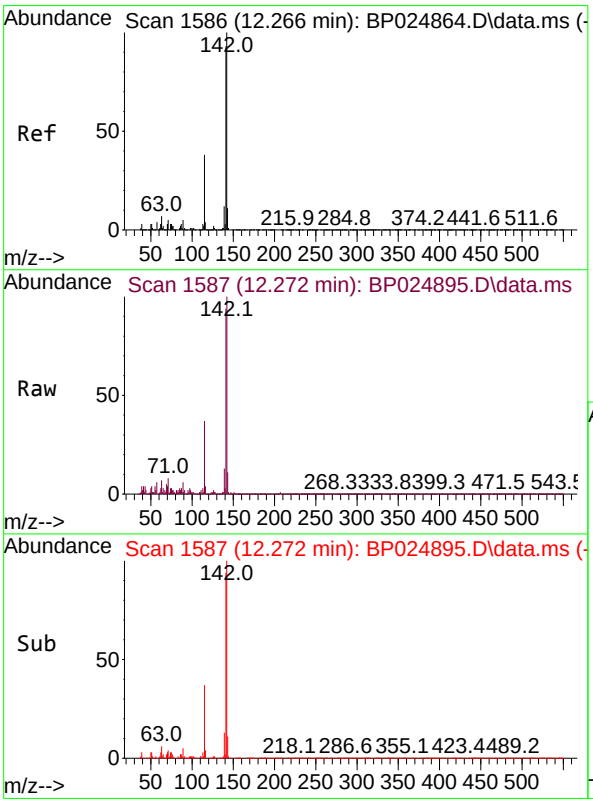
#37
2-Methylnaphthalene
Concen: 6.432 ng
RT: 12.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:142 Resp: 222518

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8
115	36.4	28.5	42.7

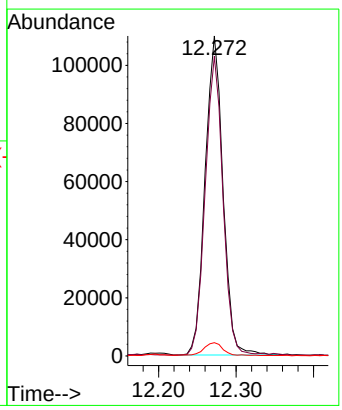


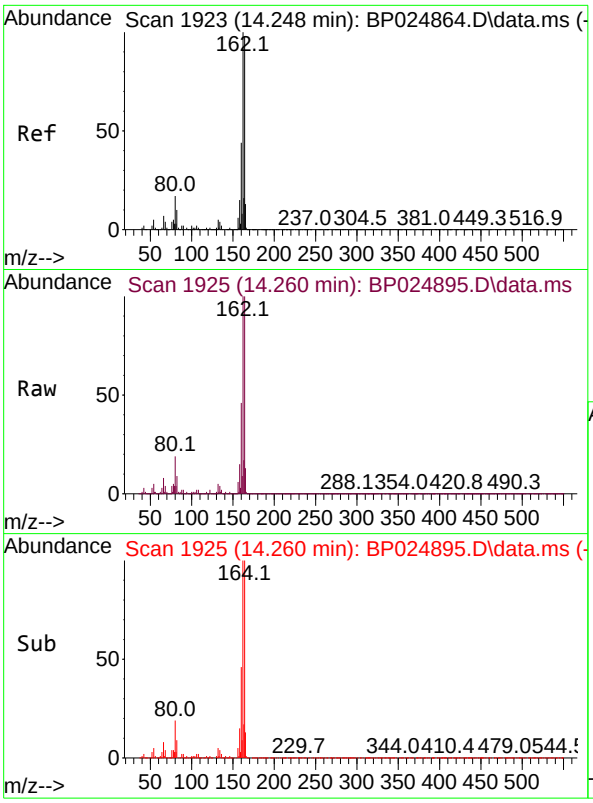


#38
1-Methylnaphthalene
Concen: 4.758 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:142 Resp: 176000

Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	4.2	3.4	5.0



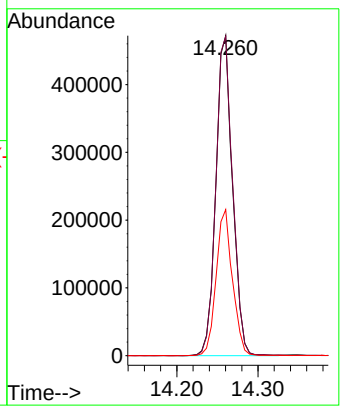


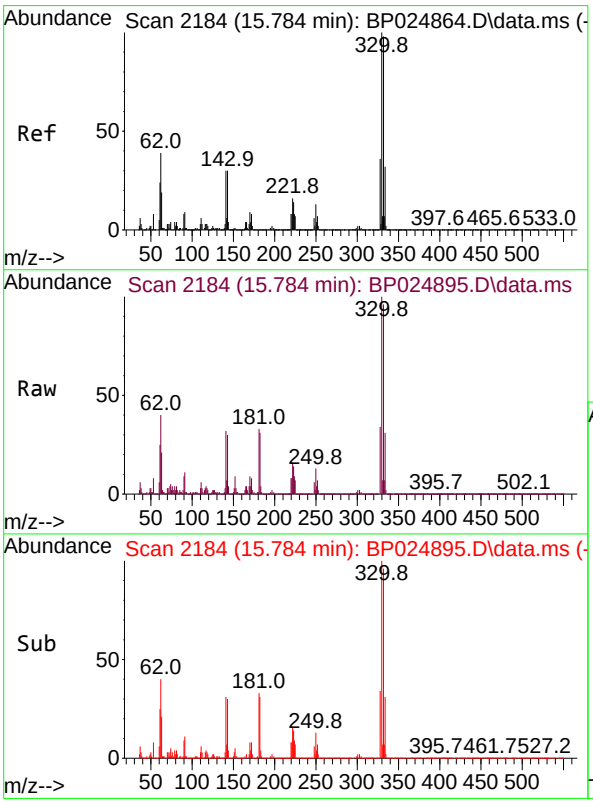
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:164 Resp: 672188

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.6	122.4
160	45.7	36.2	54.2

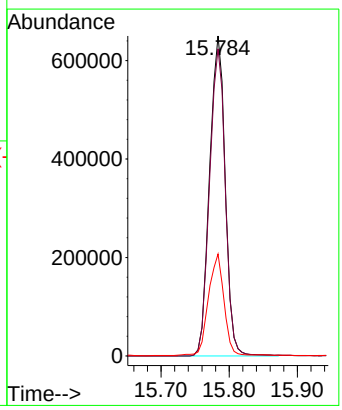


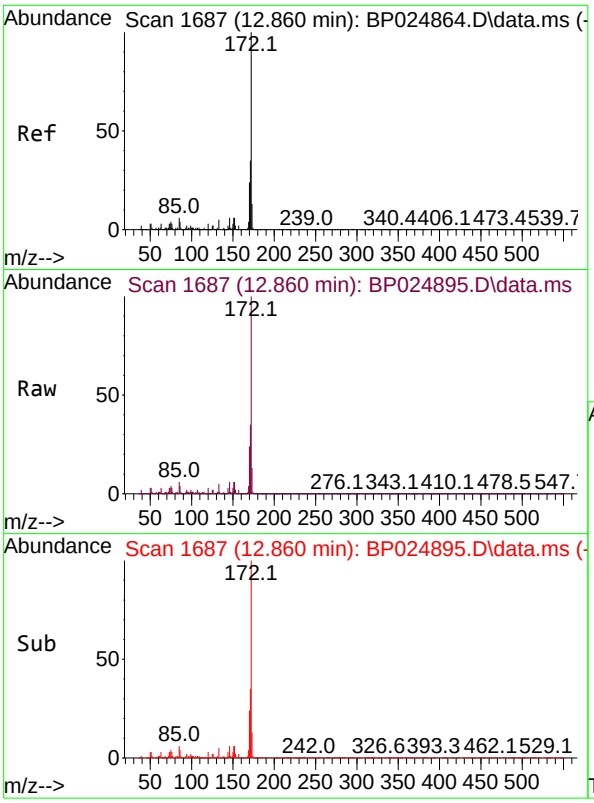


#42
2,4,6-Tribromophenol
Concen: 111.694 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:330 Resp: 1038010

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.7	116.5
141	31.4	26.4	39.6



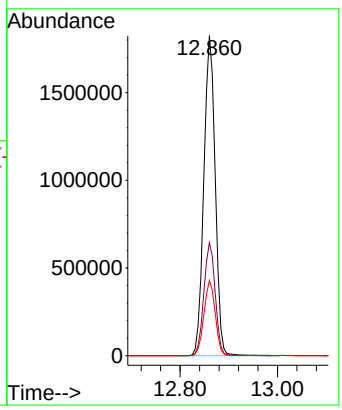


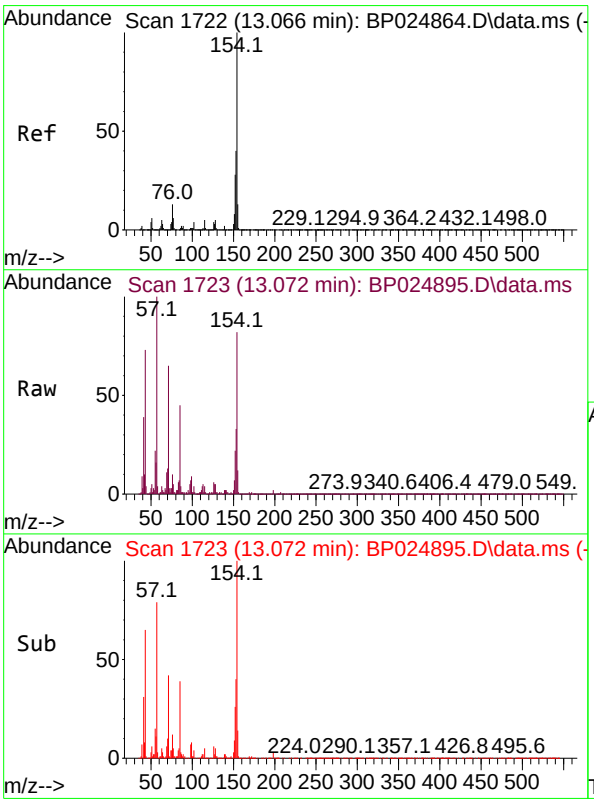
#45
2-Fluorobiphenyl
Concen: 59.259 ng
RT: 12.860 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:172 Resp: 2956910

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.6	19.0	28.4

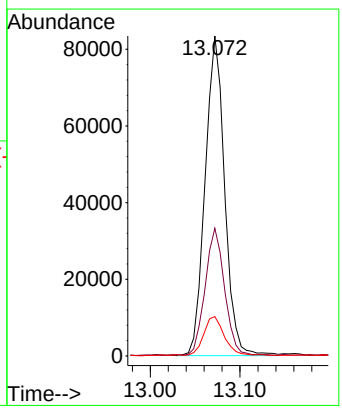


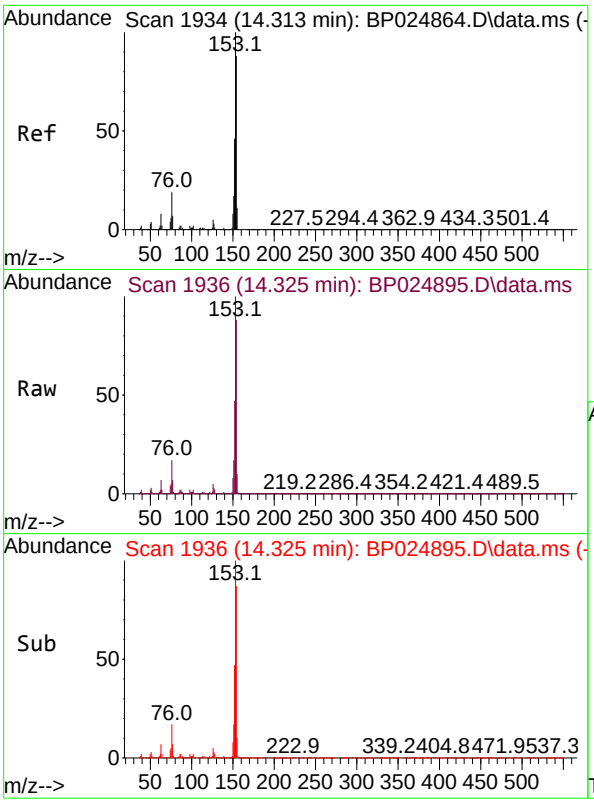


#46
1,1'-Biphenyl
Concen: 2.580 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:154 Resp: 126040

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	12.3	0.0	33.0



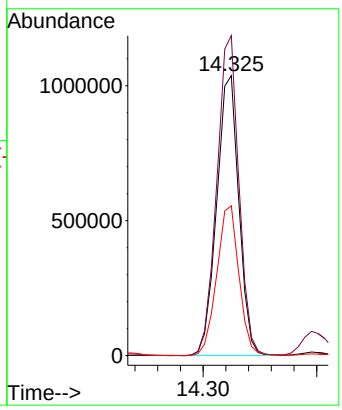


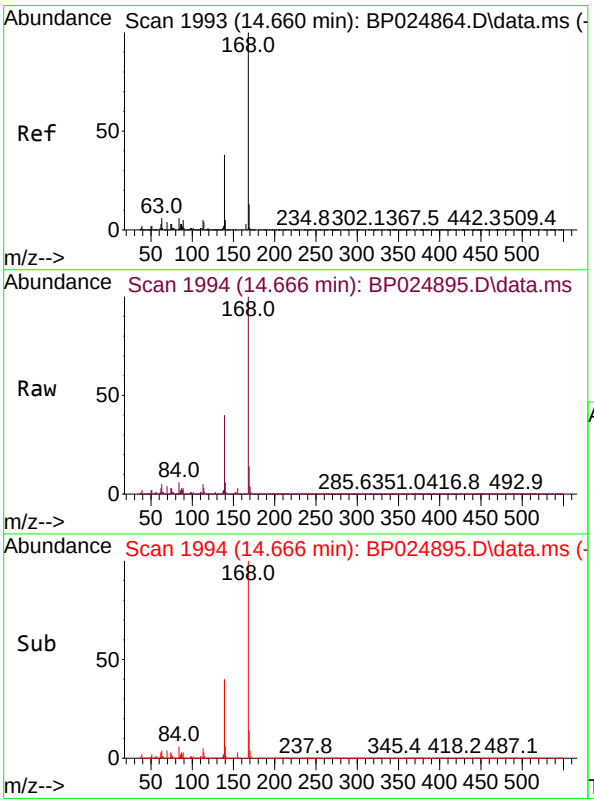
#52
Acenaphthene
Concen: 39.209 ng
RT: 14.325 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:154 Resp: 1406501

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.5	135.7
152	53.5	42.1	63.1

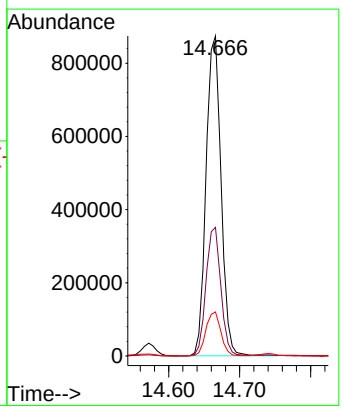


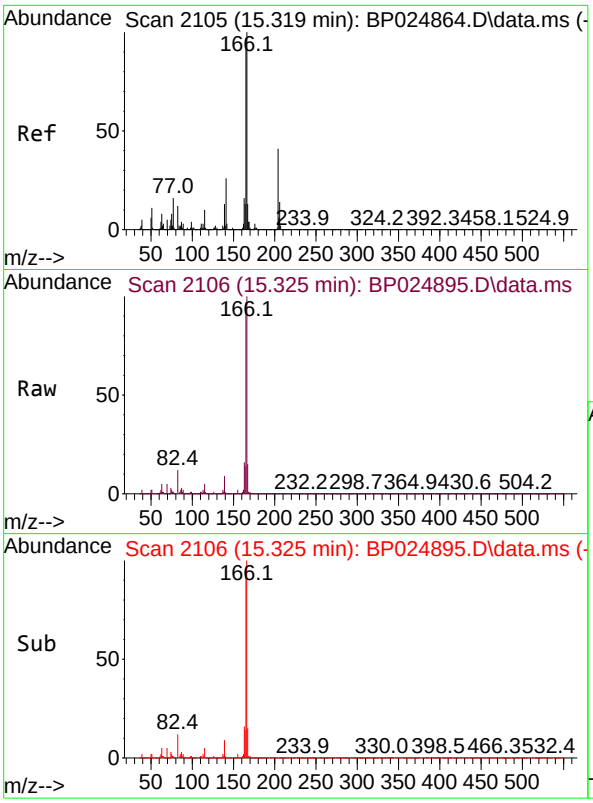


#55
Dibenzofuran
Concen: 22.250 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:168 Resp: 1281218

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.6	47.4
169	13.8	10.6	15.8



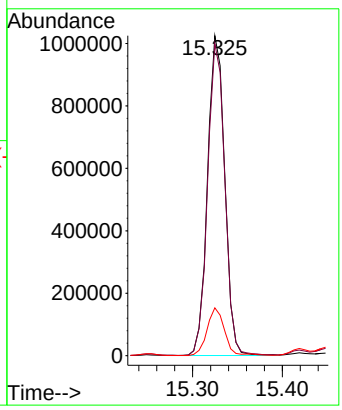


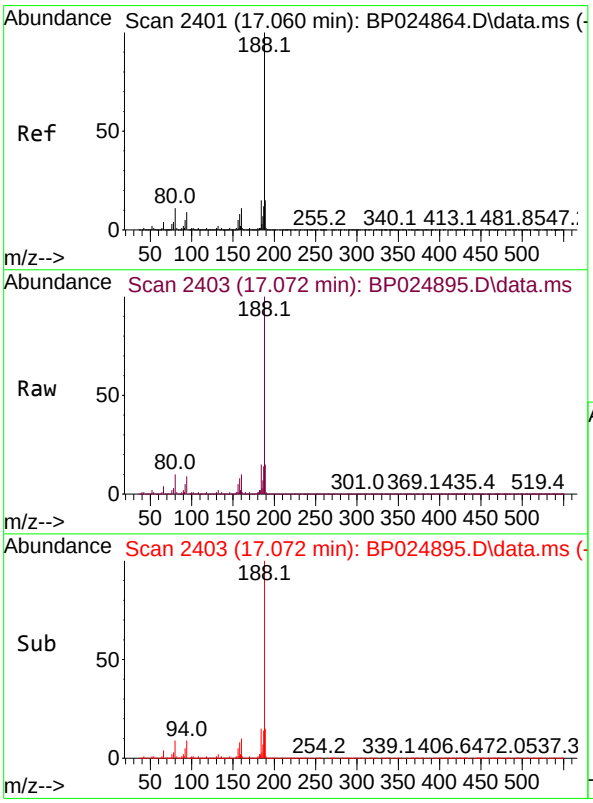
#58
Fluorene
Concen: 29.379 ng
RT: 15.325 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:166 Resp: 1366591

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.7	116.5
167	15.0	10.6	16.0

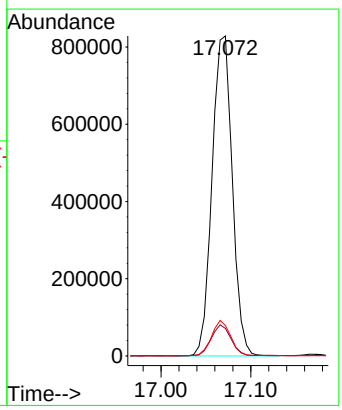


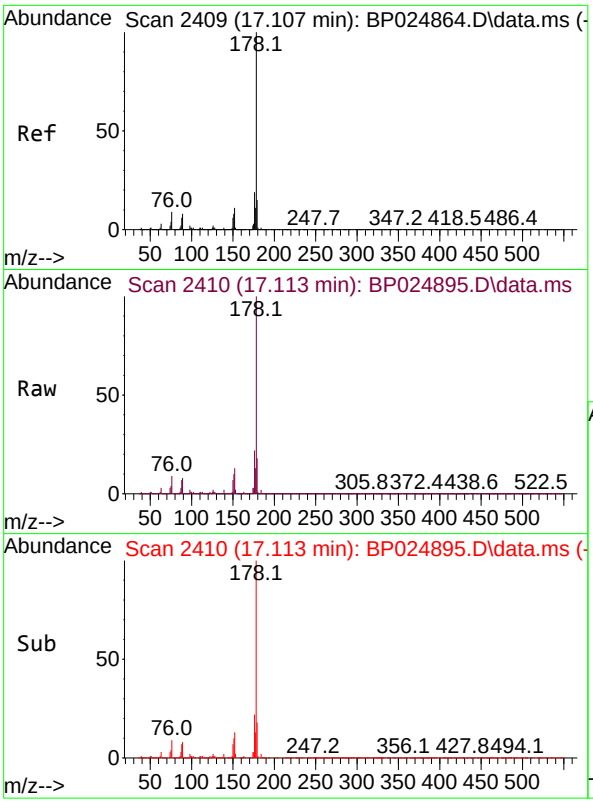


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:188 Resp: 1296135

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.3	10.9
80	9.5	8.5	12.7



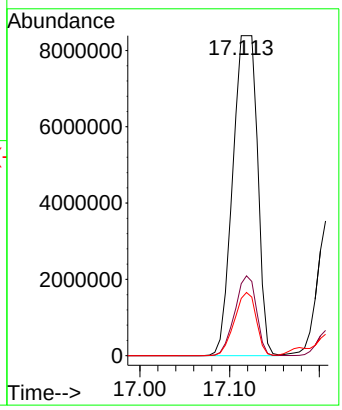


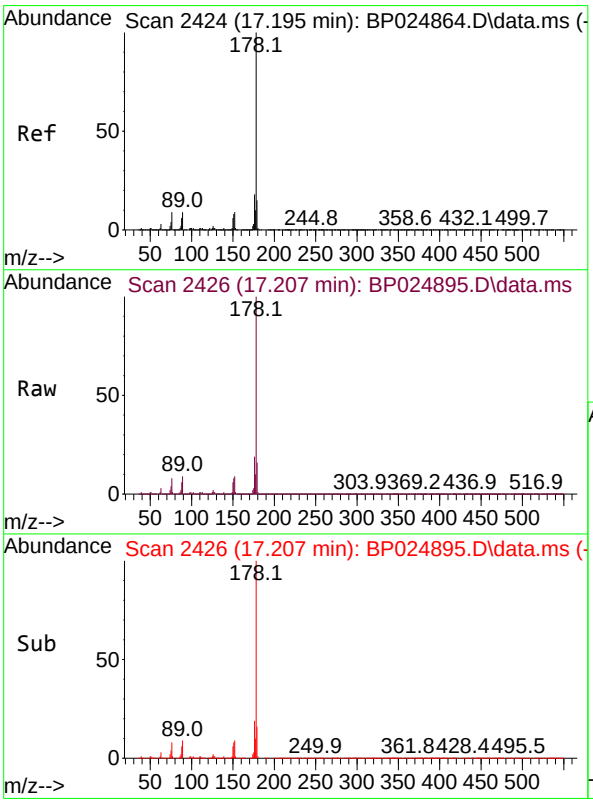
#71
Phenanthrene
Concen: 223.828 ng
RT: 17.113 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:178 Resp:16031932

Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.3	22.9
179	17.9	12.1	18.1

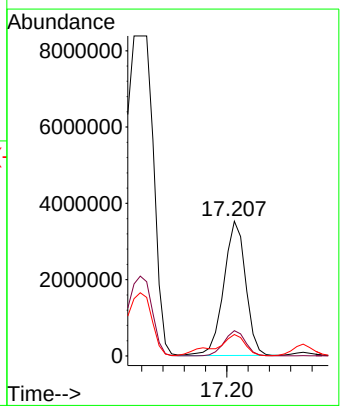


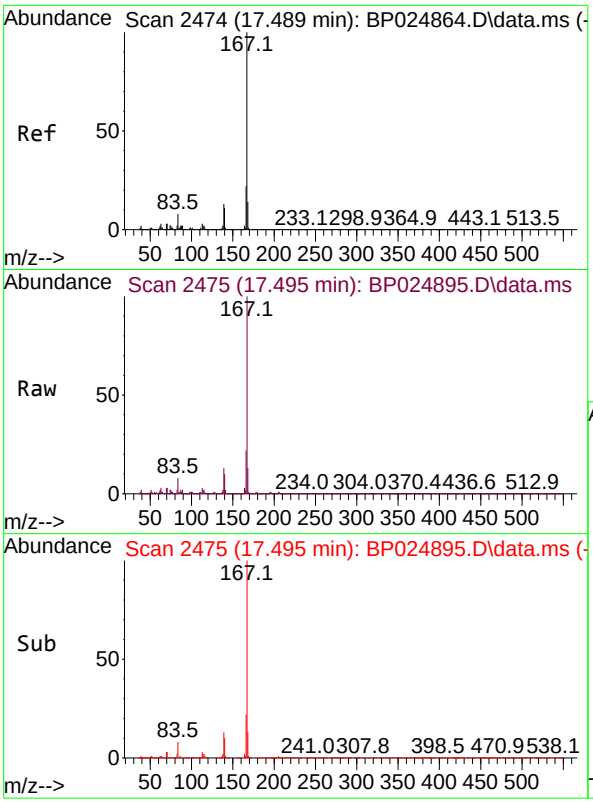


#72
Anthracene
Concen: 69.288 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:178 Resp: 5026222

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.9	12.3	18.5



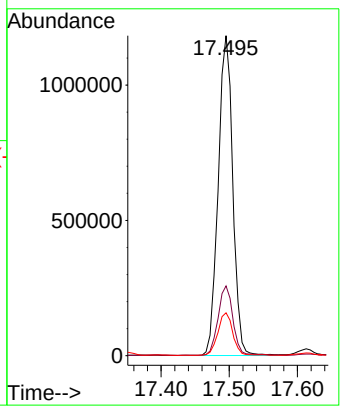


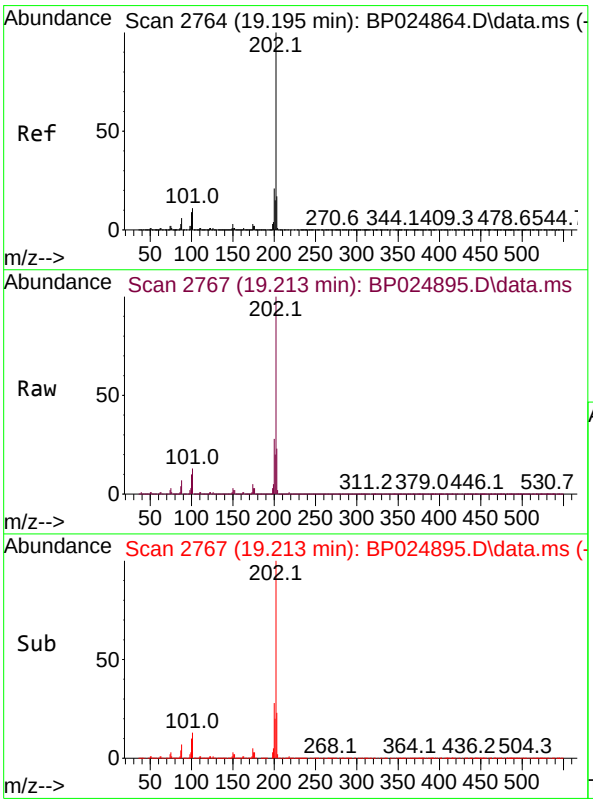
#73
Carbazole
Concen: 26.164 ng
RT: 17.495 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:167 Resp: 1759204

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.4	10.8	16.2

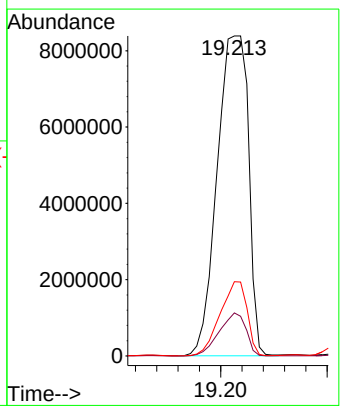


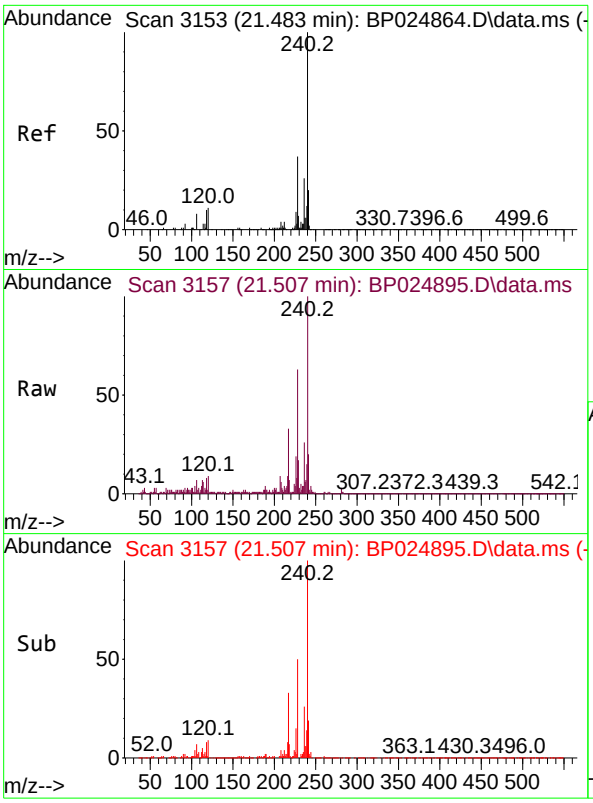


#75
Fluoranthene
Concen: 206.456 ng
RT: 19.213 min Scan# 2767
Delta R.T. 0.018 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:202 Resp:17139546

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.4
203	23.2	0.0	37.5



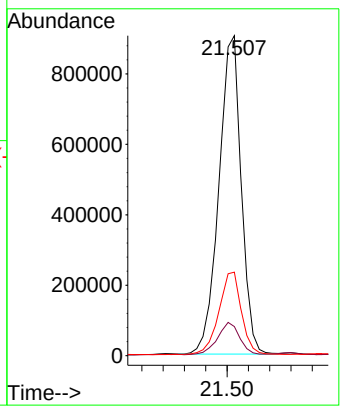


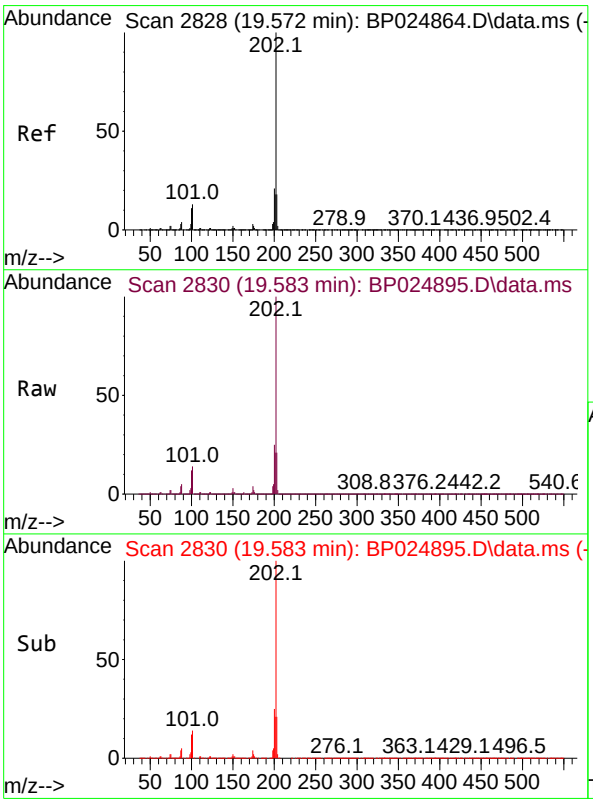
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.507 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:240 Resp: 1315798

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.9	13.3
236	26.1	20.9	31.3

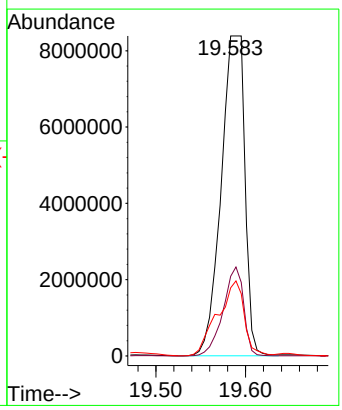


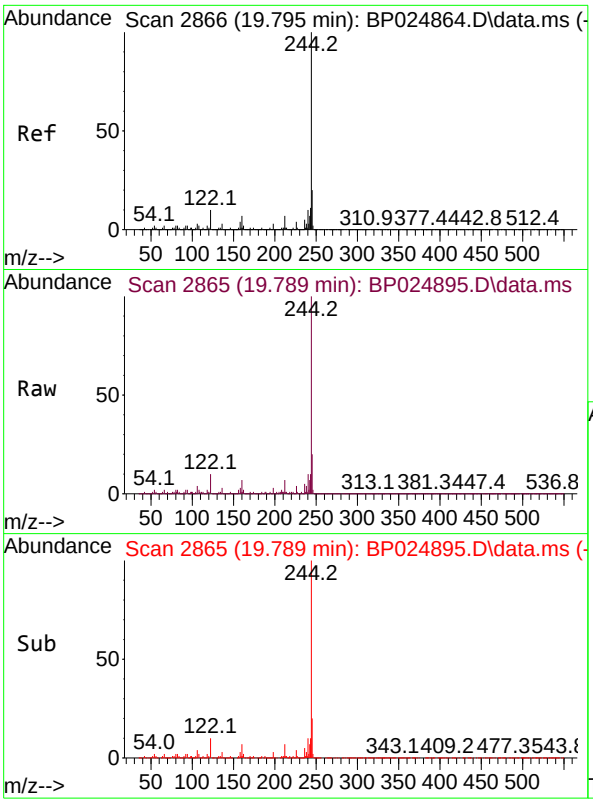


#78
Pyrene
Concen: 187.846 ng
RT: 19.583 min Scan# 2830
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:202 Resp:15441651

Ion	Ratio	Lower	Upper
202	100		
200	24.9	17.1	25.7
203	21.3	14.0	21.0#



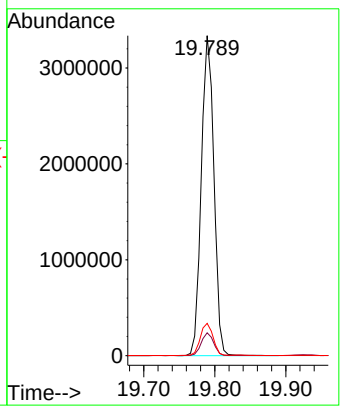


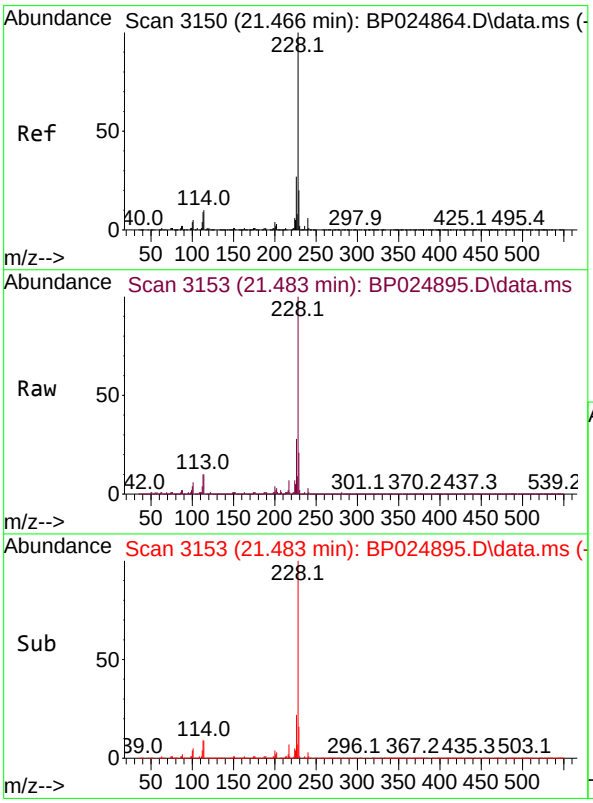
#79
Terphenyl-d14
Concen: 56.235 ng
RT: 19.789 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:244 Resp: 4128556

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.1	7.7	11.5

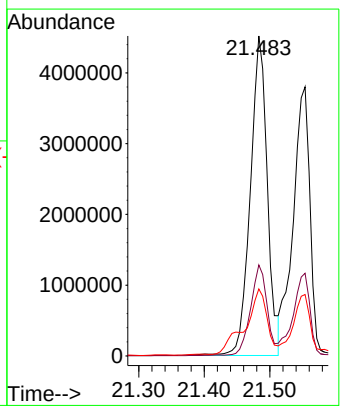


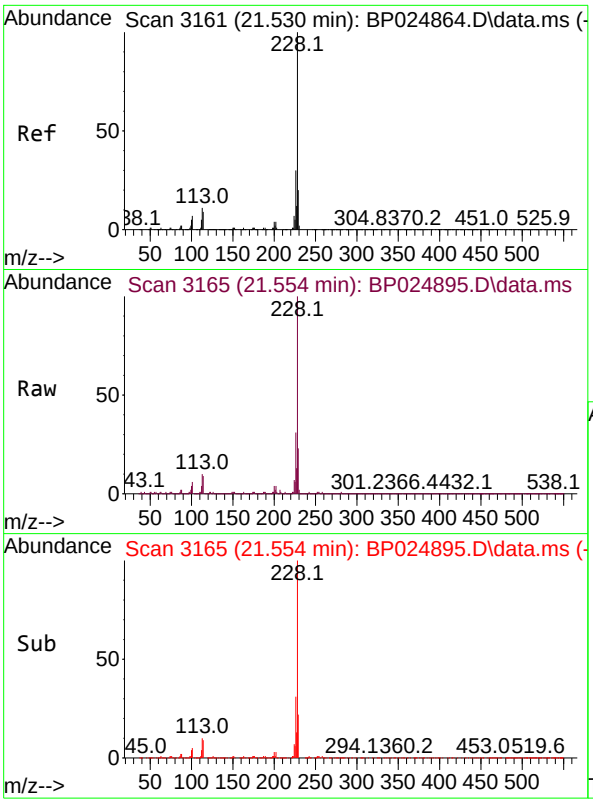


#81
Benzo(a)anthracene
Concen: 96.558 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.018 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:228 Resp: 8125938

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	21.0	15.9	23.9



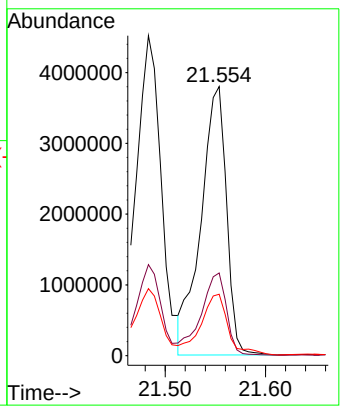


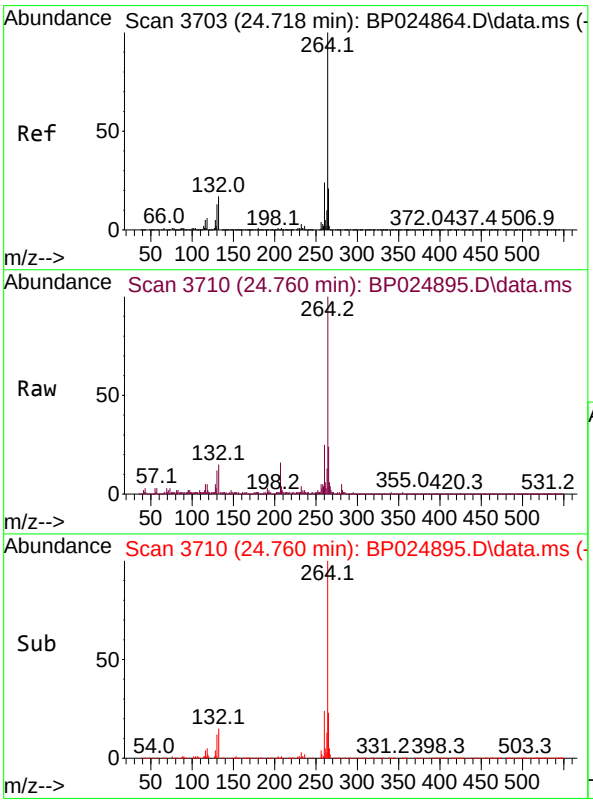
#83
Chrysene
Concen: 84.740 ng
RT: 21.554 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:228 Resp: 6757136

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	22.9	15.6	23.4

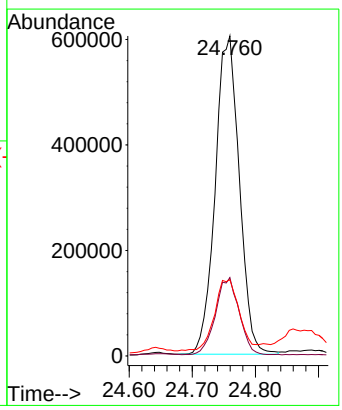


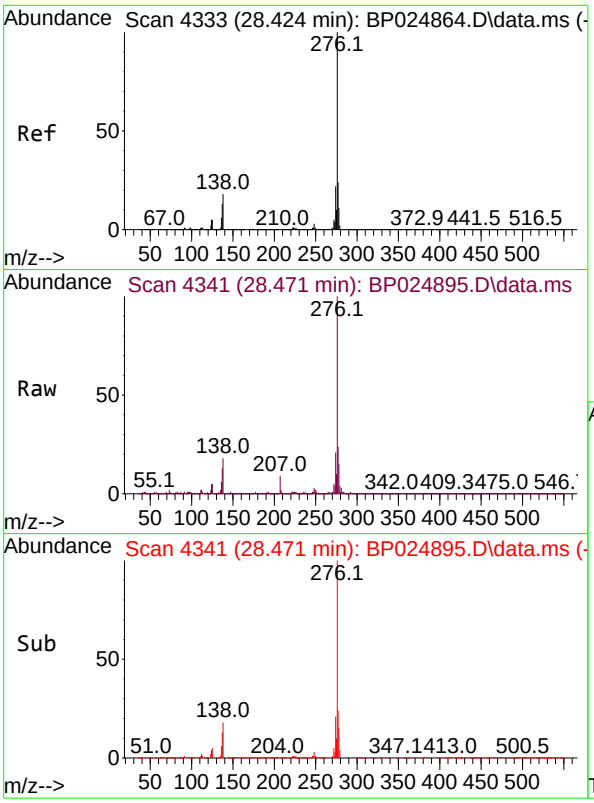


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.041 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:264 Resp: 1598305

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	23.8	17.4	26.0



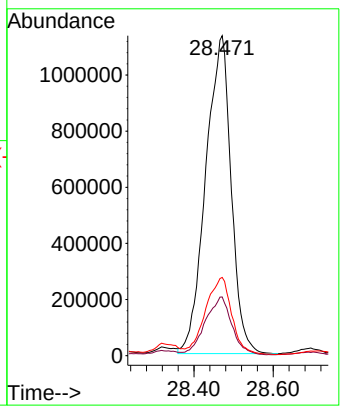


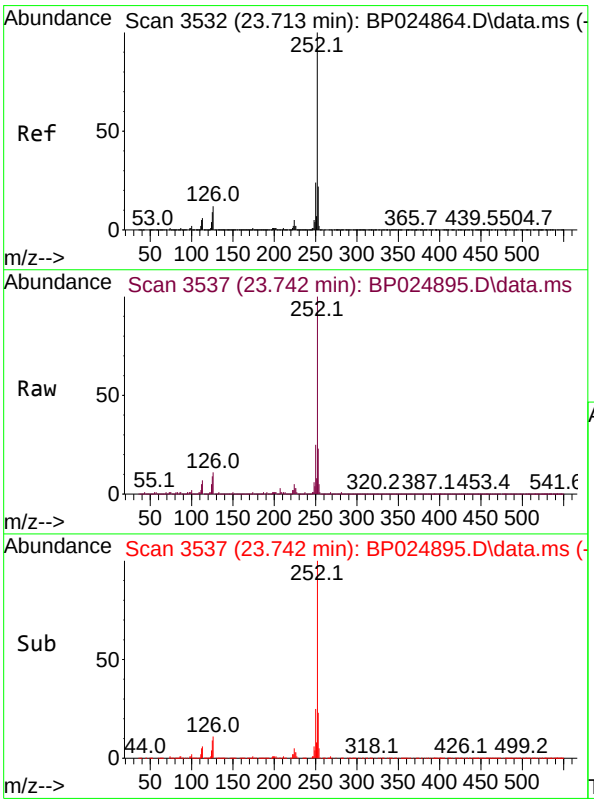
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.300 ng
RT: 28.471 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:276 Resp: 5049444

Ion	Ratio	Lower	Upper
276	100		
138	18.9	18.6	27.8
277	25.0	20.2	30.4

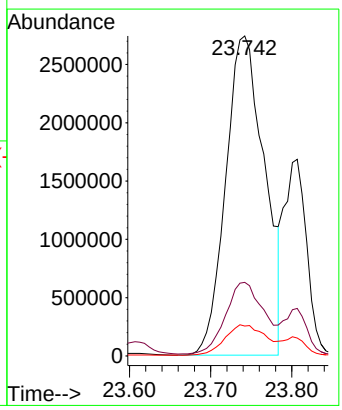


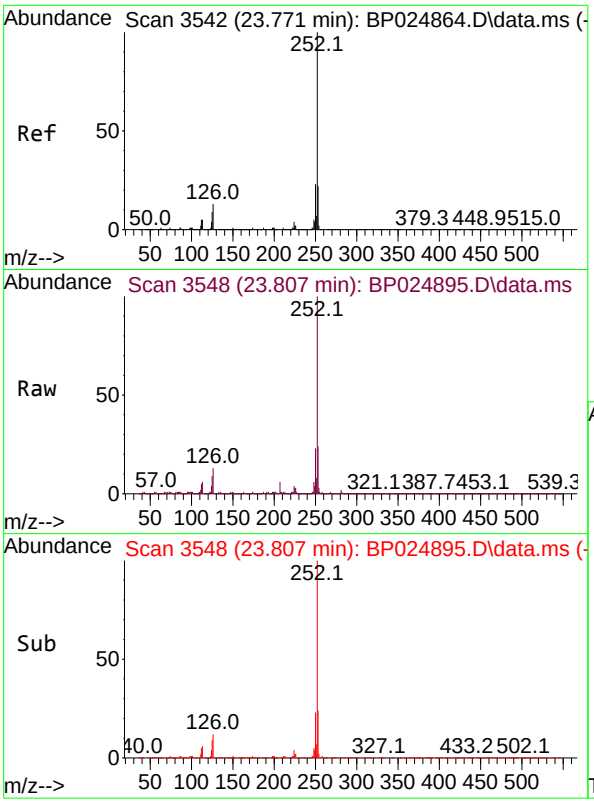


#88
Benzo(b)fluoranthene
Concen: 99.541 ng
RT: 23.742 min Scan# 3537
Delta R.T. 0.029 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:252 Resp: 9105161

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.4	7.1	10.7



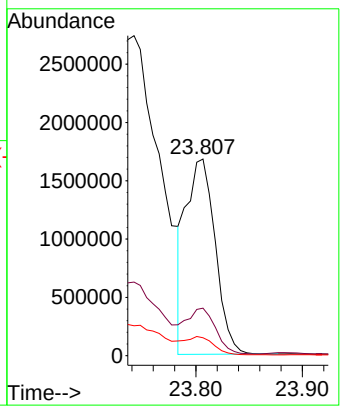


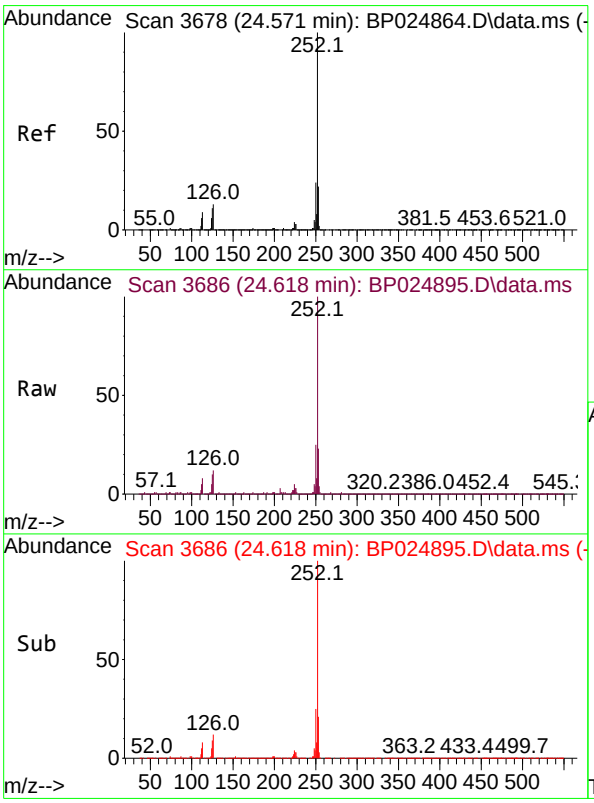
#89
Benzo(k)fluoranthene
Concen: 34.246 ng
RT: 23.807 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:252 Resp: 3188599

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	9.1	7.4	11.0

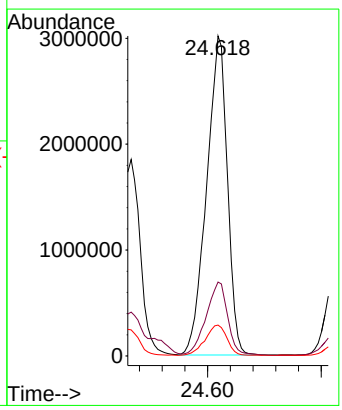


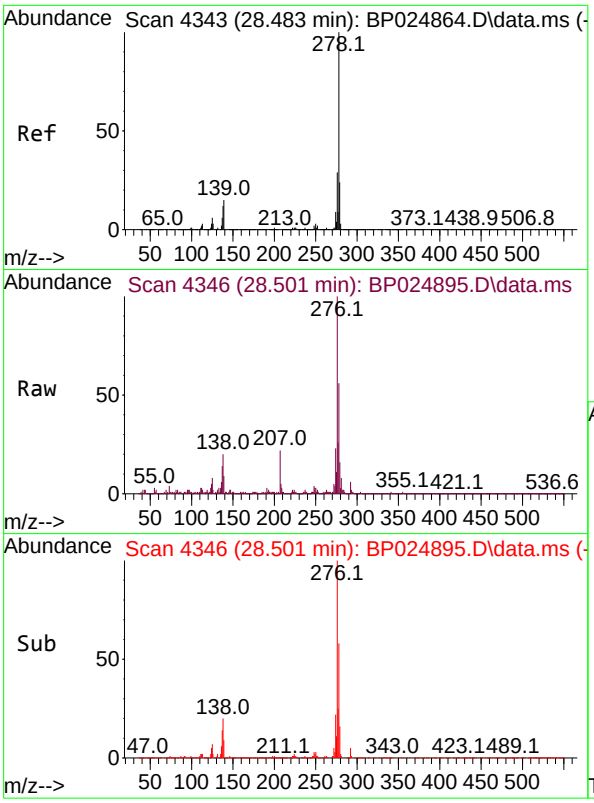


#90
Benzo(a)pyrene
Concen: 85.331 ng
RT: 24.618 min Scan# 3686
Delta R.T. 0.047 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:252 Resp: 7622631

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	9.6	8.8	13.2



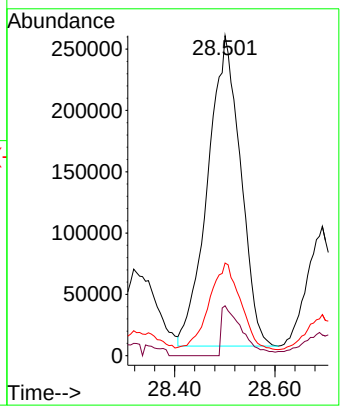


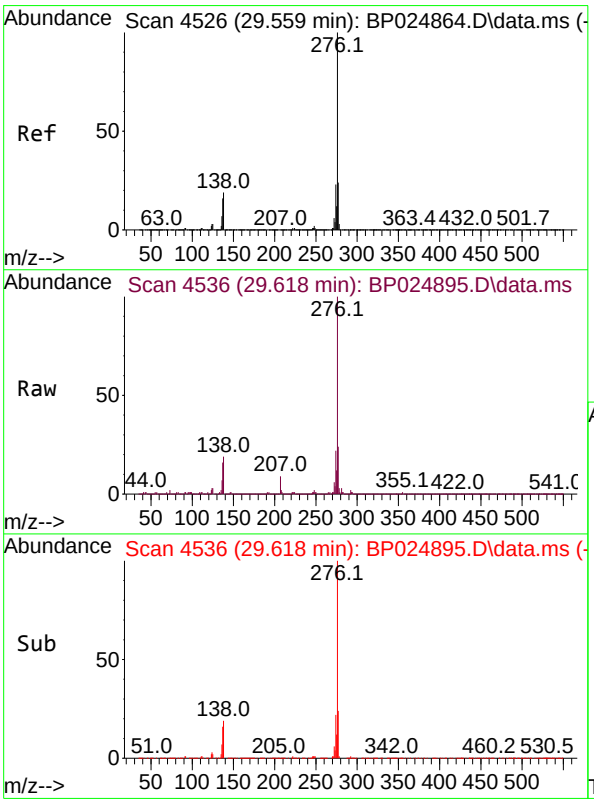
#91
Dibenzo(a,h)anthracene
Concen: 12.138 ng
RT: 28.501 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Tgt Ion:278 Resp: 1152183

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.0	18.0
279	28.9	19.1	28.7#

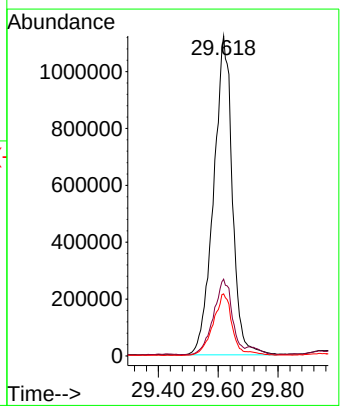




#92
Benzo(g,h,i)perylene
Concen: 51.675 ng
RT: 29.618 min Scan# 4536
Delta R.T. 0.059 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:276 Resp: 4866832

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	19.4	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	321	rBV	344474	482252	1.06%	0.104%
2	5.237	385	391	412	rBV	3470538	5499794	12.07%	1.188%
3	6.813	653	659	682	rVB	3514733	5832274	12.80%	1.260%
4	7.607	783	794	802	rBV	943058	1513175	3.32%	0.327%
5	8.760	983	990	997	rBV	2287490	3778484	8.29%	0.816%
6	10.378	1254	1265	1270	rBV2	1244172	2781535	6.10%	0.601%
7	10.431	1270	1274	1280	rVB	1097568	1712297	3.76%	0.370%
8	11.807	1499	1508	1515	rBV	991026	1568240	3.44%	0.339%
9	12.048	1539	1549	1555	rVB2	425055	801228	1.76%	0.173%
10	12.272	1578	1587	1594	rBV	386663	692101	1.52%	0.149%
11	12.860	1680	1687	1697	rVB	5293763	8503041	18.66%	1.837%
12	13.066	1715	1722	1734	rVB2	960972	1461430	3.21%	0.316%
13	13.572	1801	1808	1813	rBV	300675	596520	1.31%	0.129%
14	14.260	1916	1925	1930	rBV	1993884	3065673	6.73%	0.662%
15	14.325	1930	1936	1944	rVV	4203389	5855468	12.85%	1.265%
16	14.572	1970	1978	1983	rBV	290874	466186	1.02%	0.101%
17	14.666	1988	1994	2002	rVV	2048141	3134490	6.88%	0.677%
18	15.325	2100	2106	2111	rBV	3393361	4583751	10.06%	0.990%
19	15.448	2124	2127	2130	rVV	324981	499606	1.10%	0.108%
20	15.489	2130	2134	2139	rVB	402089	615709	1.35%	0.133%
21	15.642	2153	2160	2167	rVB2	1053251	2438834	5.35%	0.527%
22	15.784	2173	2184	2191	rBV	5324062	8962708	19.67%	1.936%
23	16.354	2269	2281	2286	rBV3	601158	1538439	3.38%	0.332%
24	16.719	2338	2343	2349	rVB	712492	1006045	2.21%	0.217%
25	16.801	2350	2357	2363	rVV3	357395	936661	2.06%	0.202%
26	16.878	2364	2370	2380	rVB	1648075	2658372	5.83%	0.574%
27	17.066	2397	2402	2405	rBV	2036730	3193754	7.01%	0.690%
28	17.119	2405	2411	2417	rVV	24701911	42068695	92.32%	9.087%
29	17.207	2417	2426	2432	rVV	8156157	12182143	26.73%	2.631%
30	17.272	2432	2437	2442	rVB	790441	1095872	2.40%	0.237%
31	17.495	2465	2475	2488	rVB2	2694080	5166772	11.34%	1.116%
32	17.601	2488	2493	2500	rBV3	621182	1139987	2.50%	0.246%
33	17.683	2500	2507	2512	rVV4	260082	641363	1.41%	0.139%
34	17.754	2513	2519	2525	rVV5	334272	700579	1.54%	0.151%
35	17.966	2549	2555	2559	rBV	2375918	3271275	7.18%	0.707%
36	18.013	2559	2563	2571	rVV	3652037	5433463	11.92%	1.174%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.107	2573	2579	2584	rVB	1276367	2040172	4.48%	0.441%
38	18.172	2584	2590	2595	rBV2	3740687	7012345	15.39%	1.515%
39	18.213	2595	2597	2605	rVB	1523615	1720787	3.78%	0.372%
40	18.289	2606	2610	2614	rBV2	363207	559362	1.23%	0.121%
41	18.489	2640	2644	2649	rVV	2226236	3025889	6.64%	0.654%
42	18.542	2649	2653	2659	rVV	1108467	1680544	3.69%	0.363%
43	18.742	2683	2687	2693	rVB2	434740	710985	1.56%	0.154%
44	18.842	2700	2704	2708	rVB2	405660	527333	1.16%	0.114%
45	18.925	2713	2718	2722	rBV	791090	1411823	3.10%	0.305%
46	19.072	2738	2743	2751	rVB3	652399	1500260	3.29%	0.324%
47	19.213	2759	2767	2772	rBV	24097695	43219412	94.84%	9.335%
48	19.301	2779	2782	2786	rVV	670129	875938	1.92%	0.189%
49	19.342	2786	2789	2795	rVB3	243691	465339	1.02%	0.101%
50	19.448	2802	2807	2811	rBV2	1050523	1416867	3.11%	0.306%
51	19.589	2820	2831	2838	rBV2	23513390	45569958	100.00%	9.843%
52	19.648	2838	2841	2849	rVB3	1169056	1836153	4.03%	0.397%
53	19.789	2856	2865	2869	rBV2	9062416	13511211	29.65%	2.918%
54	19.836	2869	2873	2880	rVB	1513398	2357938	5.17%	0.509%
55	19.919	2881	2887	2893	rBV4	1259557	3133860	6.88%	0.677%
56	19.972	2893	2896	2900	rVV	576023	757147	1.66%	0.164%
57	20.054	2905	2910	2912	rVV4	1085428	1836416	4.03%	0.397%
58	20.095	2913	2917	2921	rVB	2846175	4126911	9.06%	0.891%
59	20.201	2931	2935	2939	rBV	2736876	3317185	7.28%	0.716%
60	20.260	2939	2945	2949	rVV2	1639096	3283302	7.20%	0.709%
61	20.295	2949	2951	2955	rVB	721993	705521	1.55%	0.152%
62	20.342	2956	2959	2964	rVB3	361336	482360	1.06%	0.104%
63	20.401	2965	2969	2973	rBV	865616	1218168	2.67%	0.263%
64	20.448	2973	2977	2982	rBV3	1200214	1783852	3.91%	0.385%
65	20.748	3025	3028	3032	rVB2	481227	644709	1.41%	0.139%
66	20.836	3040	3043	3047	rBV2	452490	696067	1.53%	0.150%
67	20.883	3048	3051	3057	rVB	911293	1374381	3.02%	0.297%
68	21.066	3077	3082	3085	rBV	1431821	1984114	4.35%	0.429%
69	21.113	3086	3090	3093	rVV	1691600	2245964	4.93%	0.485%
70	21.160	3093	3098	3104	rVV2	1298470	3240499	7.11%	0.700%
71	21.483	3143	3153	3160	rBV3	12110306	27662215	60.70%	5.975%
72	21.554	3160	3165	3176	rVB	10049534	17119915	37.57%	3.698%
73	21.695	3184	3189	3193	rBV	2293495	3594586	7.89%	0.776%
74	21.848	3213	3215	3220	rVB	752213	1016824	2.23%	0.220%
75	21.919	3221	3227	3233	rVB2	1206823	2493383	5.47%	0.539%
76	22.242	3278	3282	3287	rVB	1330847	2243672	4.92%	0.485%

Sample Results: **BP024895.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.313	3290	3294	3300	rVB	588569	878136	1.93%	0.190%
78	22.442	3313	3316	3322	rVB3	517905	892822	1.96%	0.193%
79	22.507	3323	3327	3331	rVV	728460	1215000	2.67%	0.262%
80	22.554	3331	3335	3343	rVB3	799948	1570805	3.45%	0.339%
81	23.360	3468	3472	3480	rVB2	530475	984699	2.16%	0.213%
82	23.736	3527	3536	3543	rBV	6707874	21210866	46.55%	4.581%
83	23.801	3545	3547	3554	rVB	3962402	6201579	13.61%	1.339%
84	23.989	3572	3579	3587	rVB	1503725	3340090	7.33%	0.721%
85	24.465	3652	3660	3674	rVB	4665825	12871334	28.25%	2.780%
86	24.618	3676	3686	3696	rVB	7559856	19420885	42.62%	4.195%
87	24.748	3703	3708	3716	rBV2	1331875	3453802	7.58%	0.746%
88	24.830	3716	3722	3737	rVB	2054149	6137463	13.47%	1.326%
89	28.471	4329	4341	4360	rVB2	2961582	13683609	30.03%	2.956%
90	29.618	4524	4536	4548	rVB	2632344	10320509	22.65%	2.229%
91	30.195	4632	4634	4640	rBV2	287919	514329	1.13%	0.111%

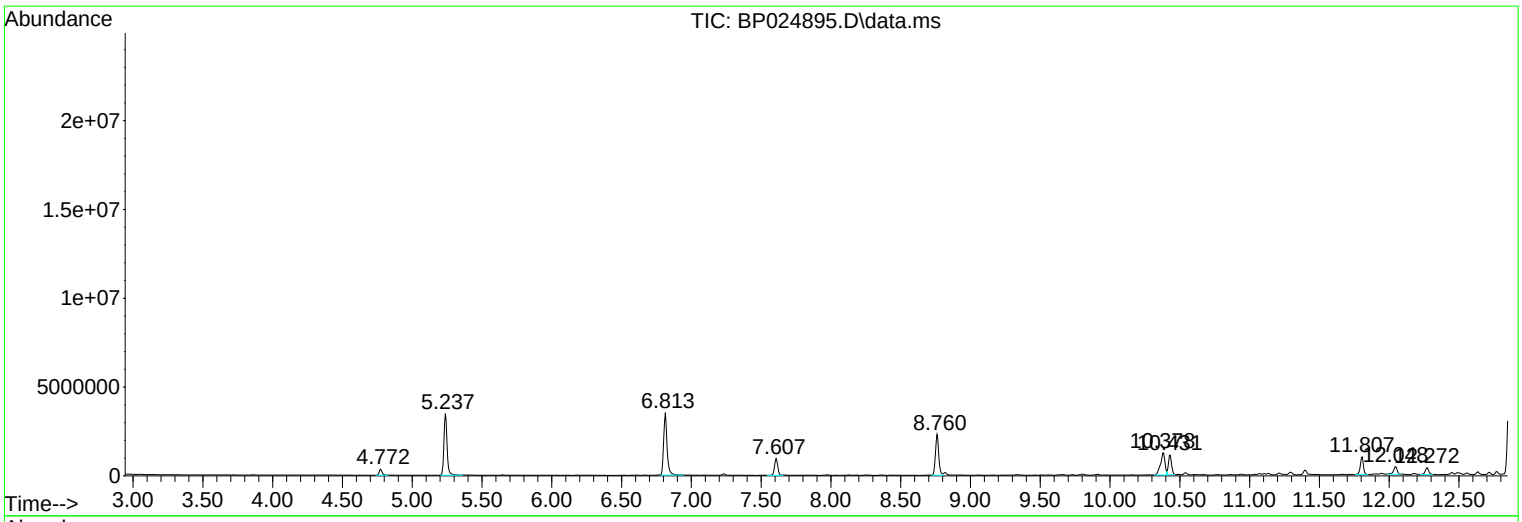
Sum of corrected areas: 462977511

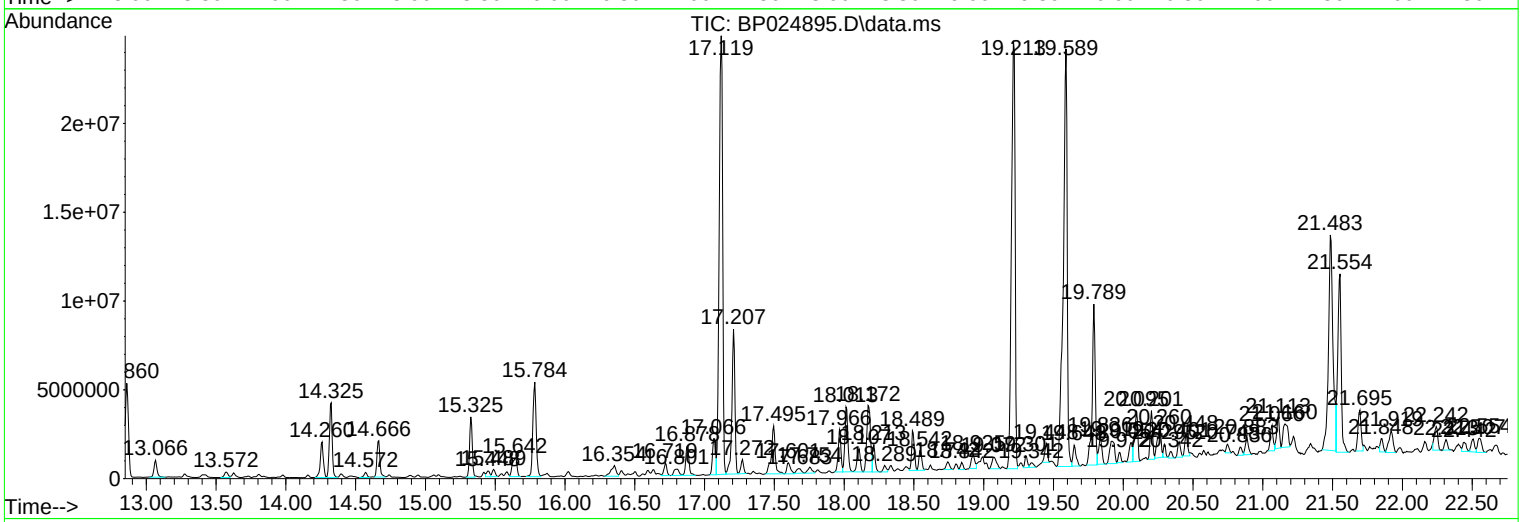
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

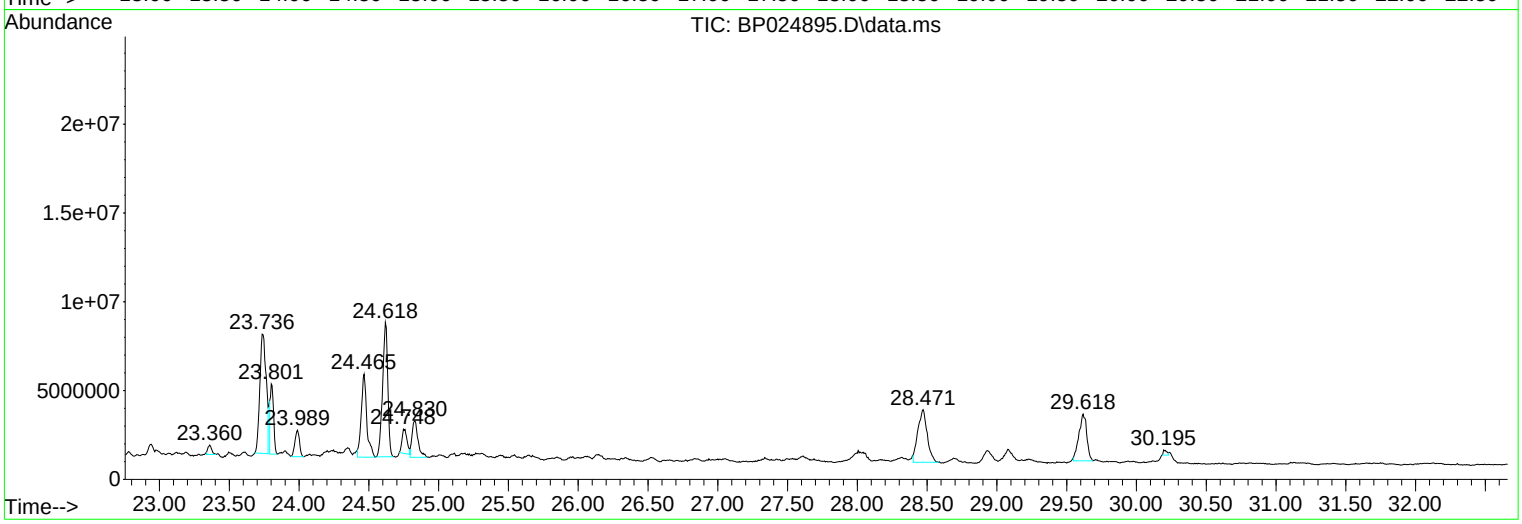
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

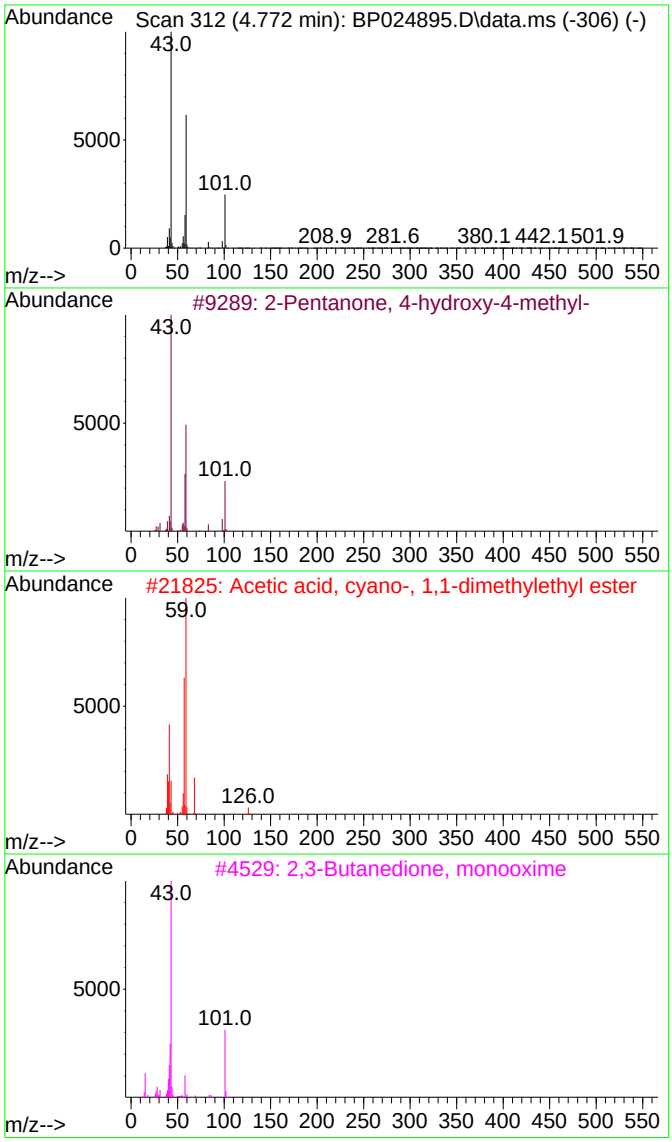
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

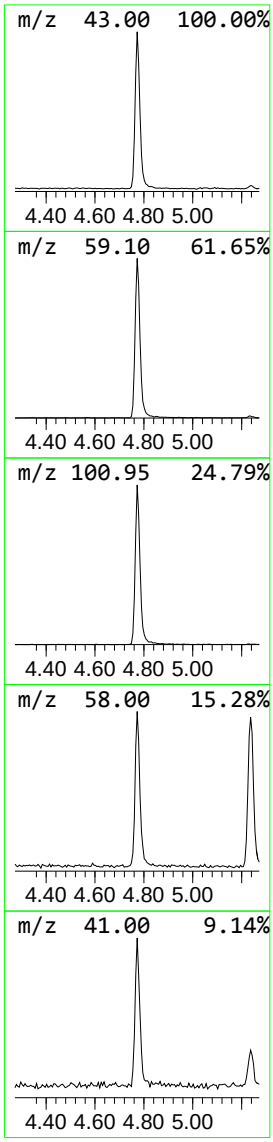
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	6.37 ng	482252	1,4-Dichlorobenzene-d4	7.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

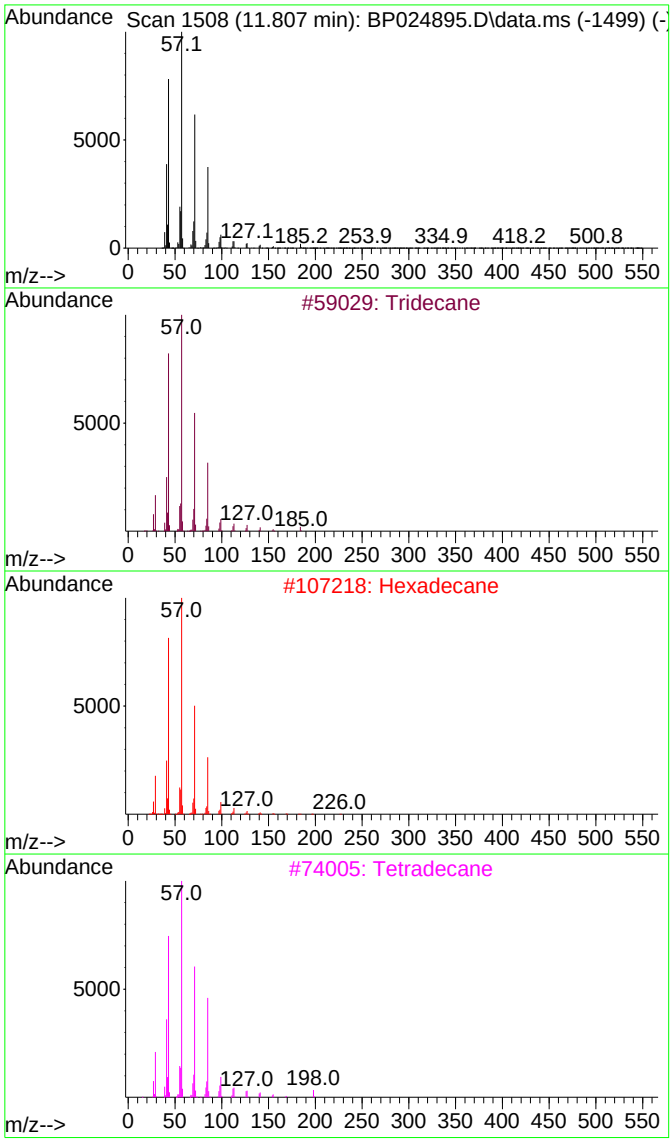
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

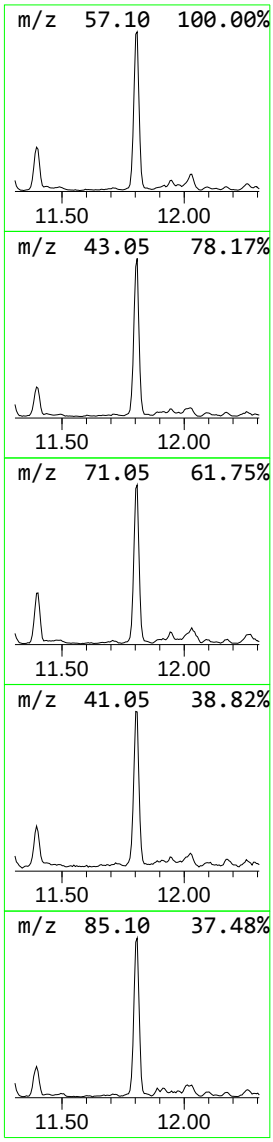
****

Peak Number 2 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.807	11.28 ng	1568240	Naphthalene-d8	10.378

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Dodecane	170	C12H26	000112-40-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

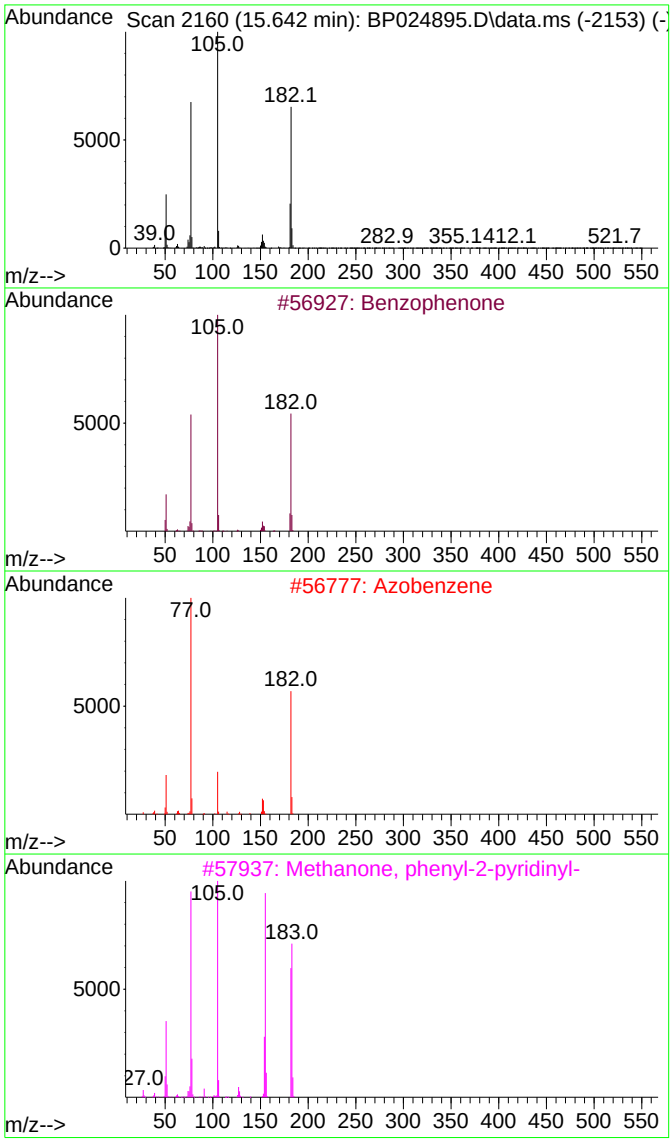
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

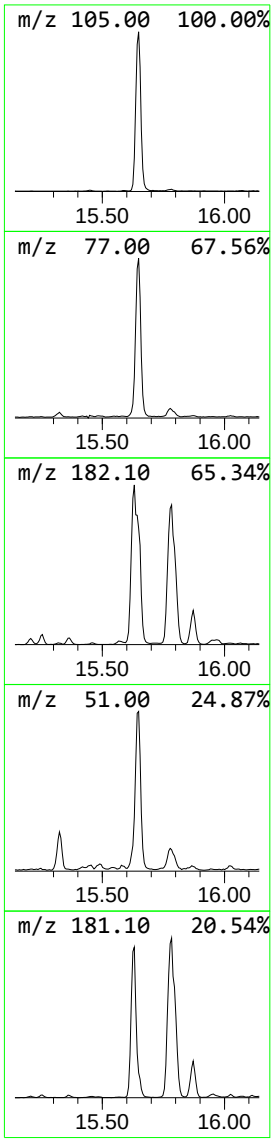
****

Peak Number 3 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.642	15.91 ng	2438830	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene	182	C12H10N2	000103-33-3	52
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	43
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

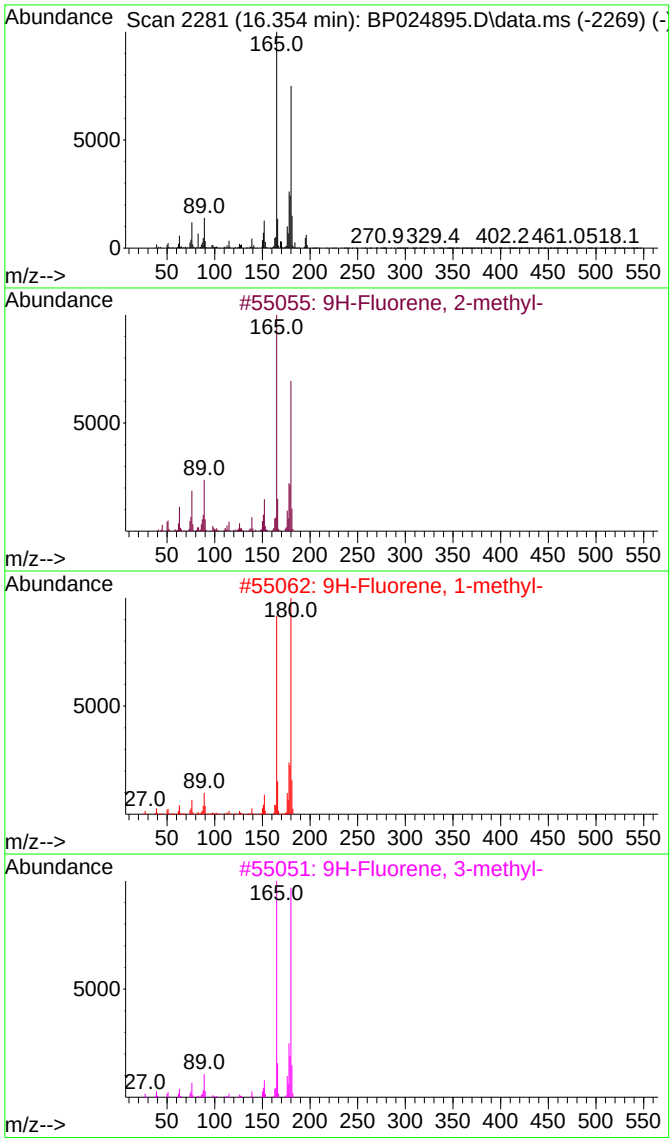
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

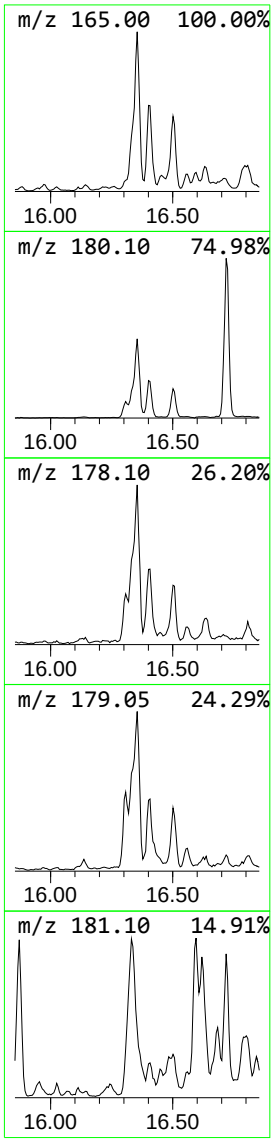
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	9.63 ng	1538440	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

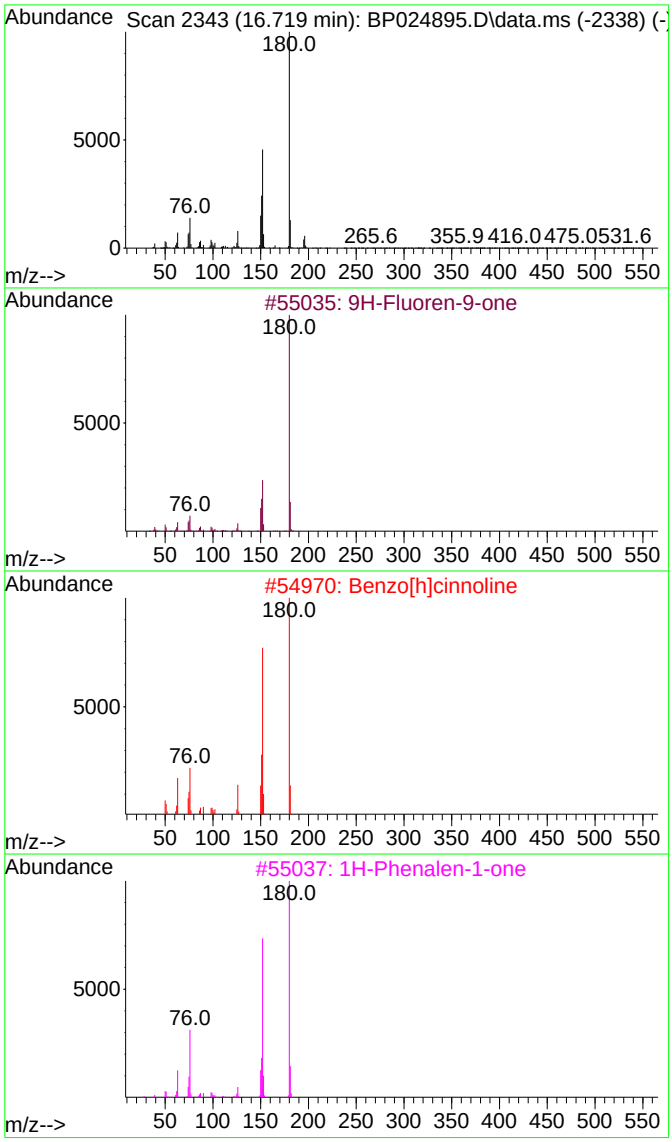
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

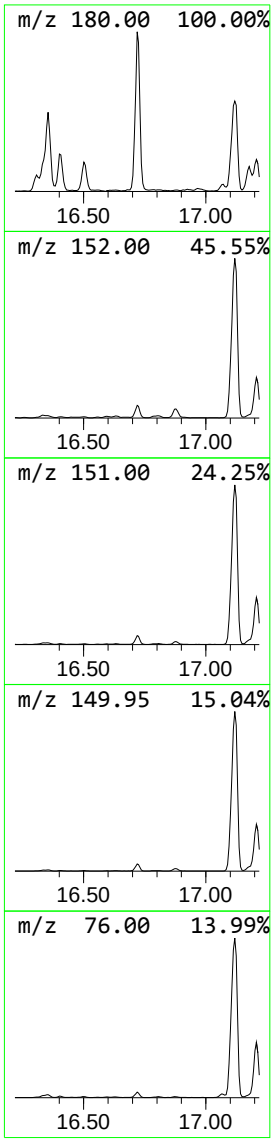
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.719	6.30 ng	1006050	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

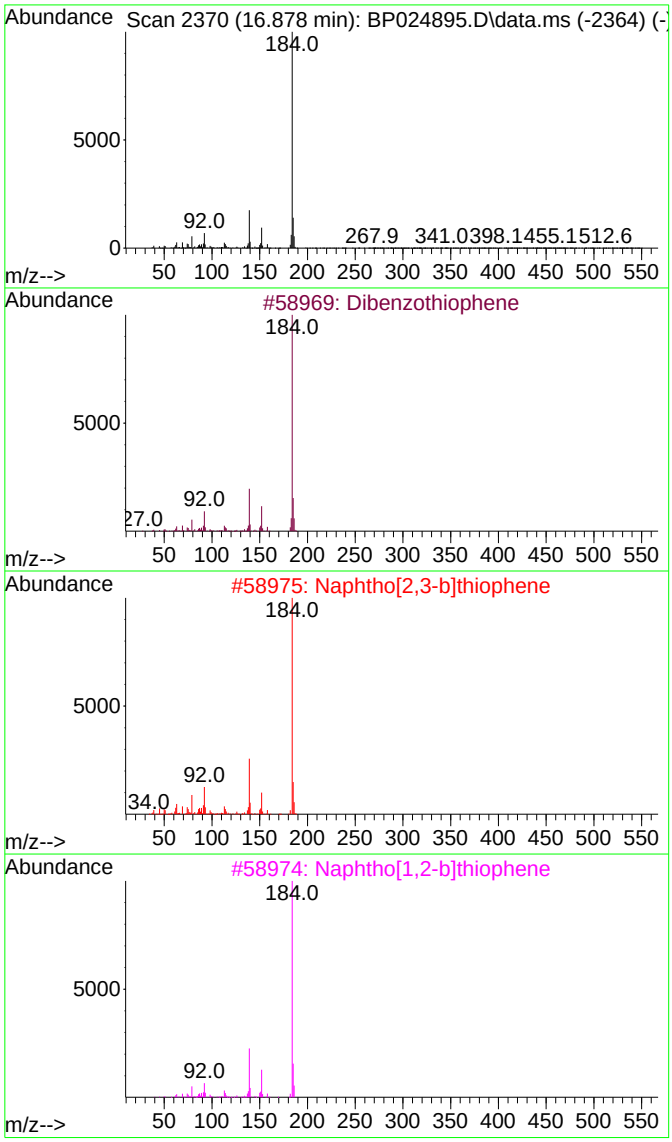
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

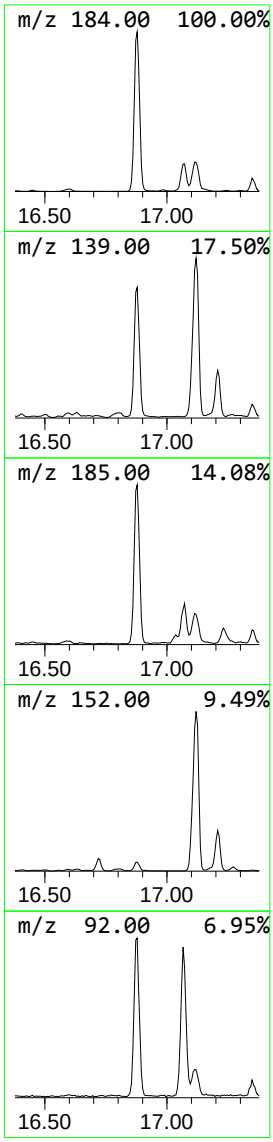
****

Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.878	16.65 ng	2658370	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

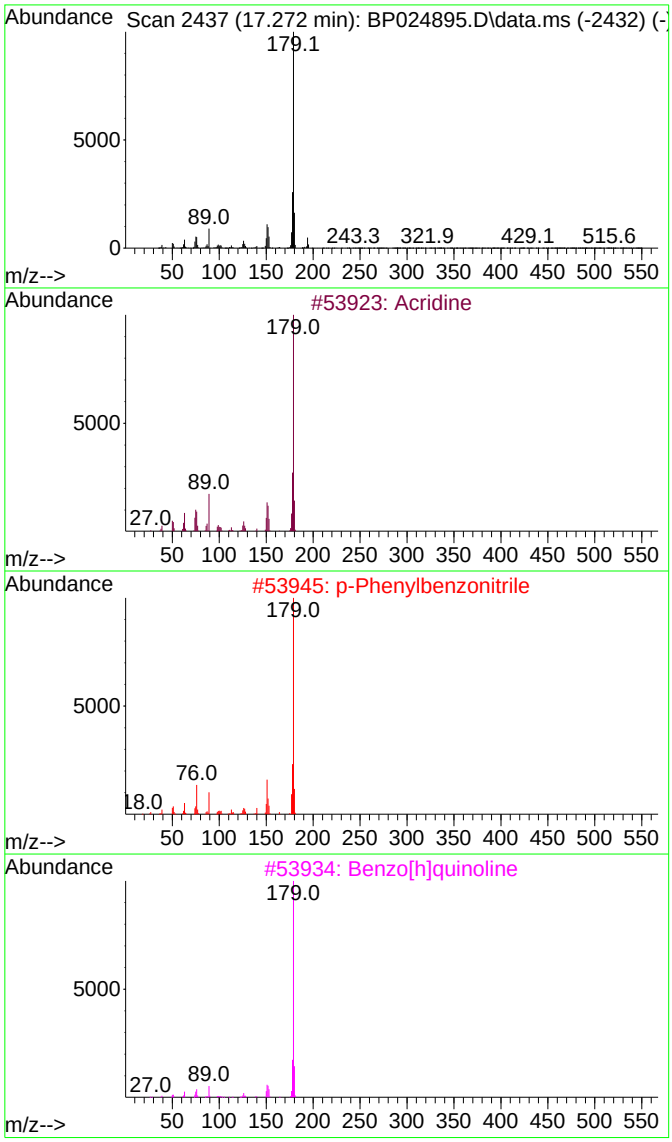
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

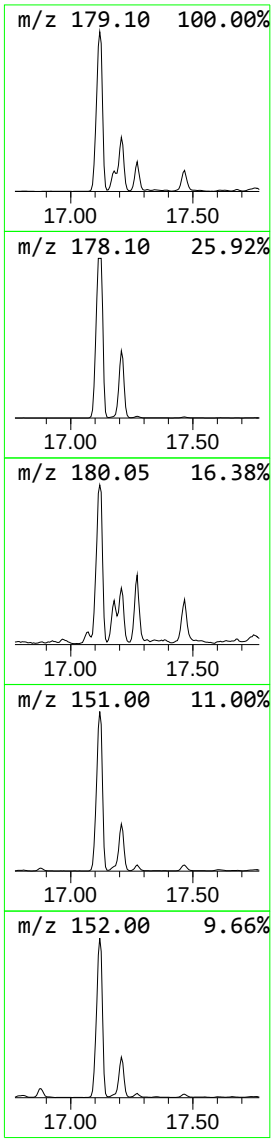
****

Peak Number 7 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.272	6.86 ng	1095870	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4	Phenanthridine	179	C13H9N	000229-87-8	93
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

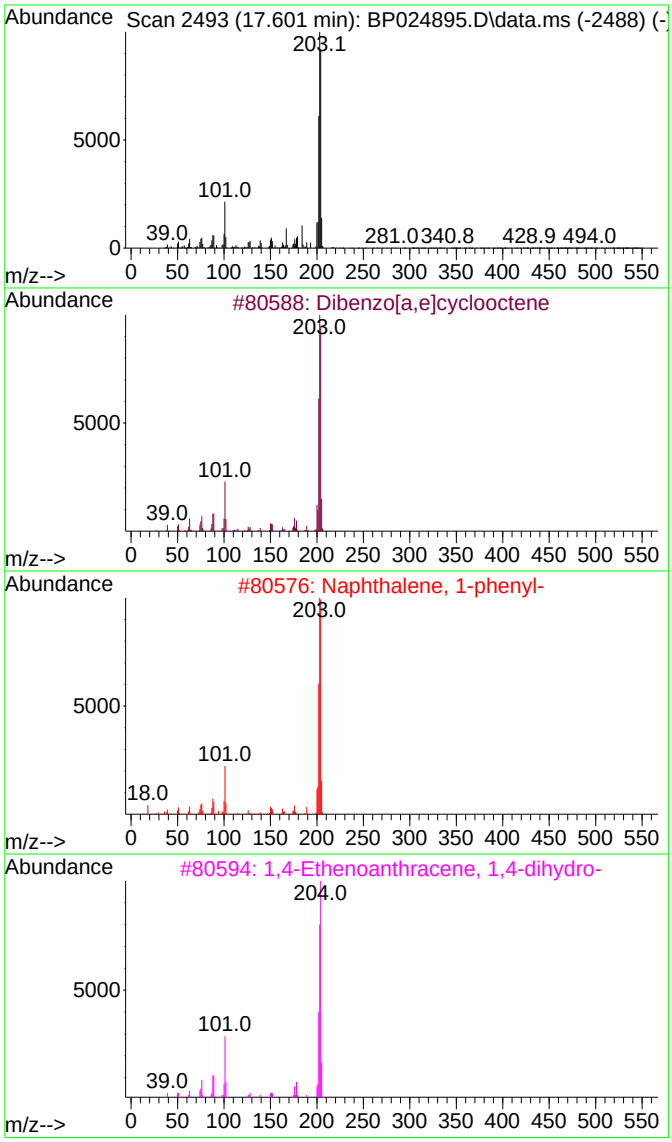
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

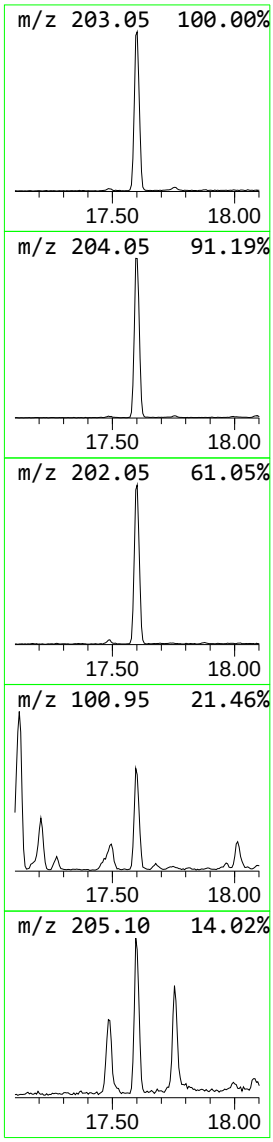
****

Peak Number 8 Dibenzo[a,e]cyclooctene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.601	7.14 ng	1139990	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	98
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

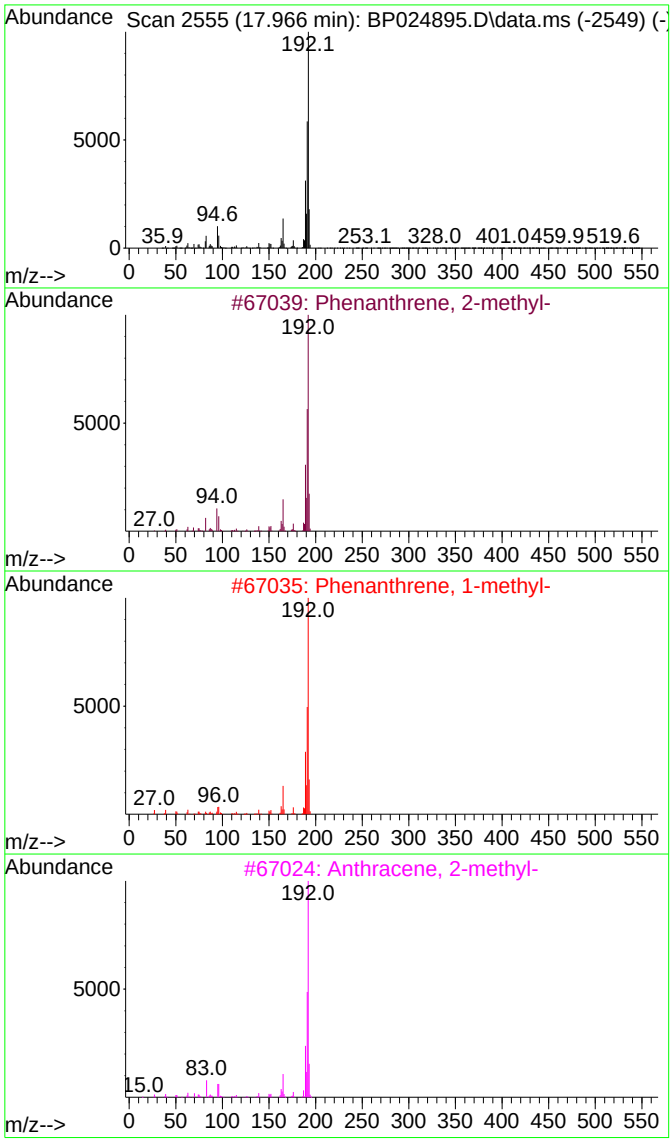
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

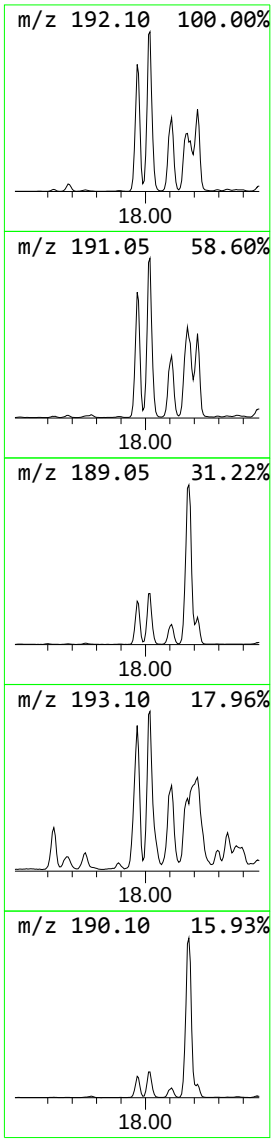
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.966	20.49 ng	3271280	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

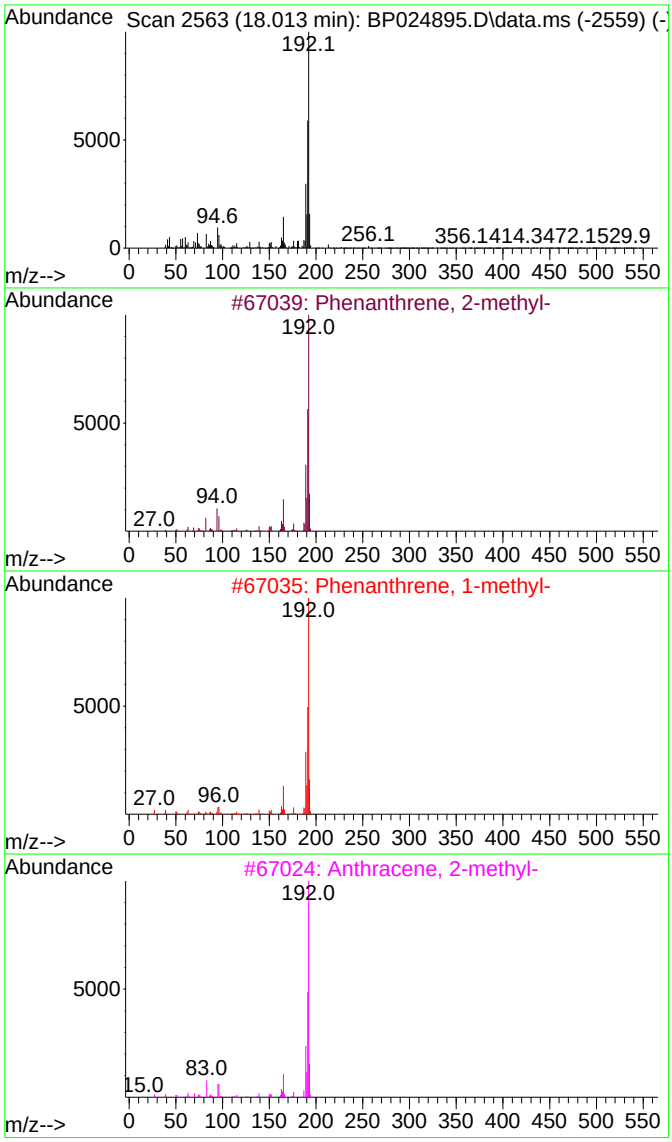
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

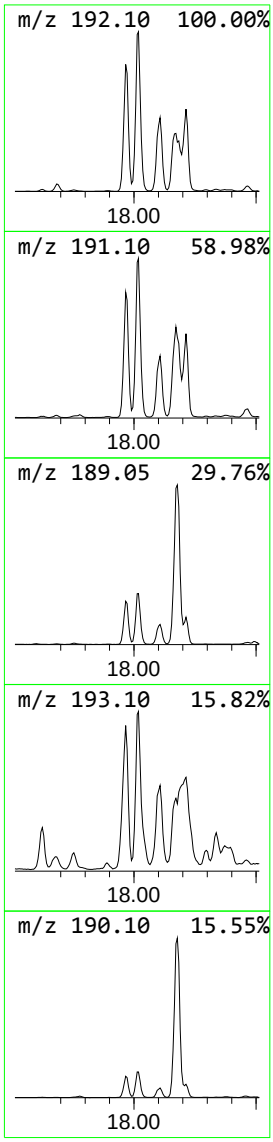
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	34.03 ng	5433460	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

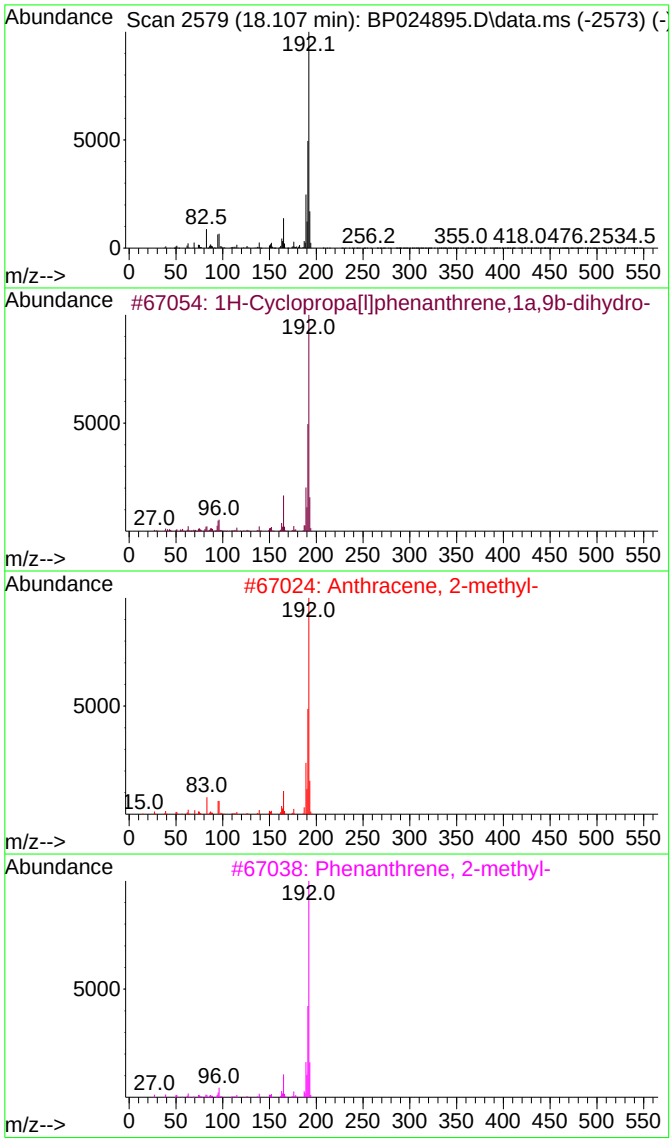
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

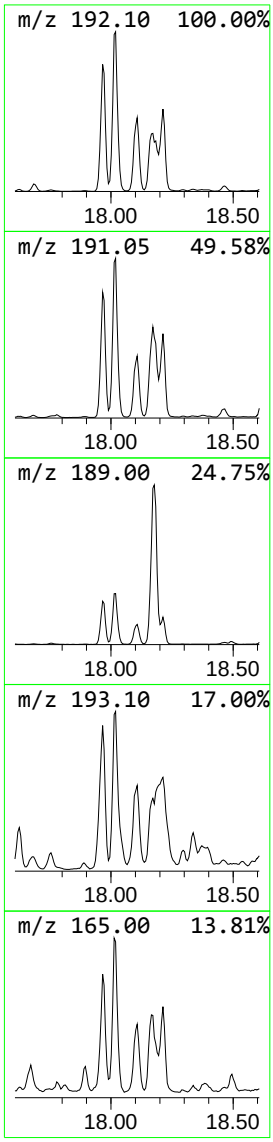
****

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.107	12.78 ng	2040170	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On    : 10 Jun 2025  15:46
Operator  : RC/JU
Sample    : Q2177-02
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

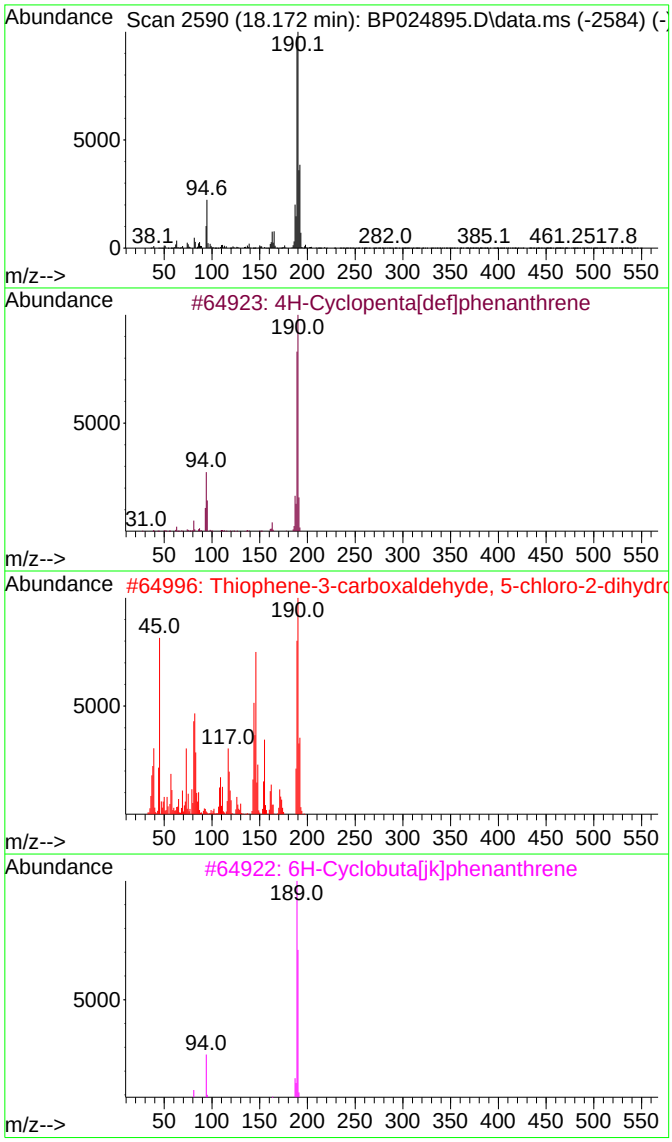
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

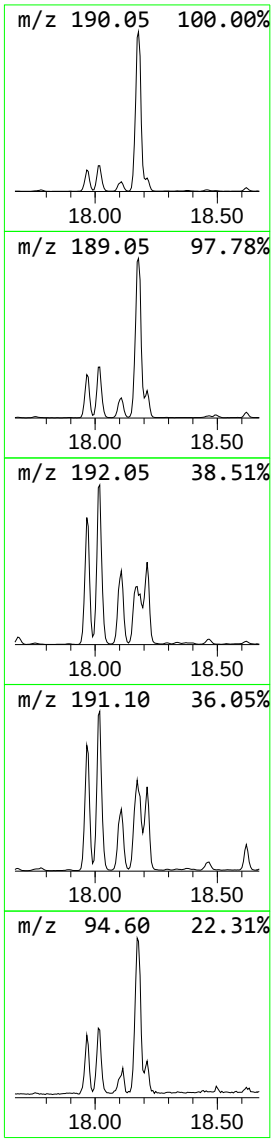
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	43.91 ng	7012350	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

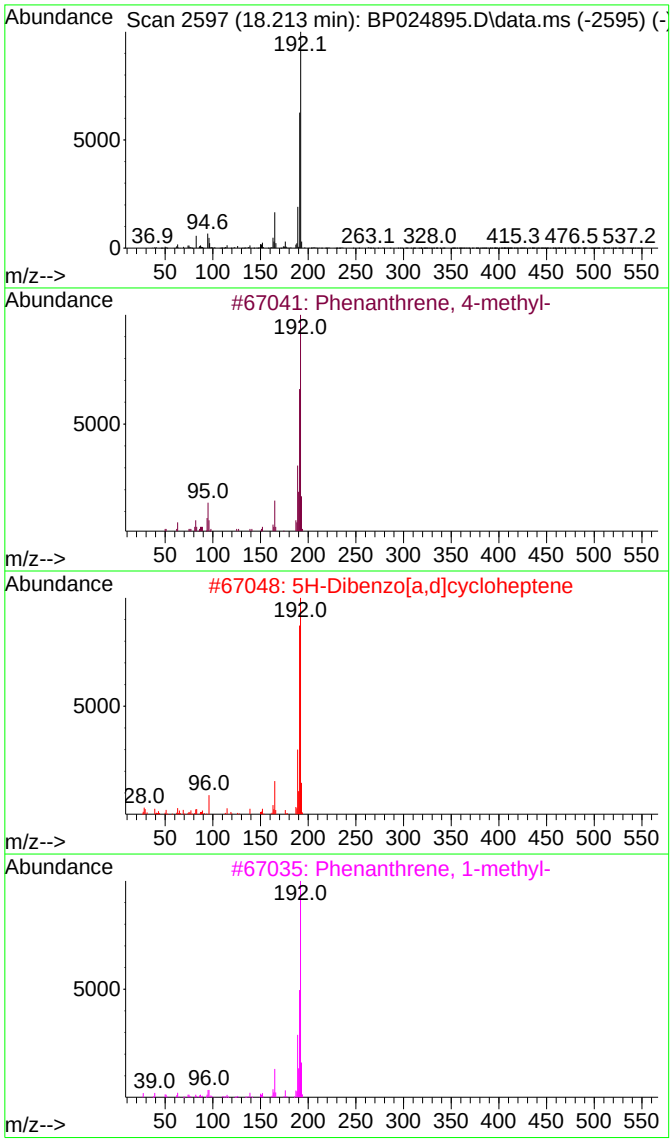
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

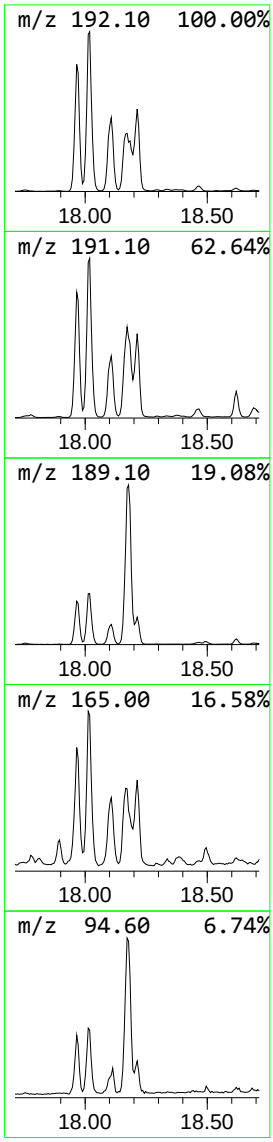
****

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.213	10.78 ng	1720790	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

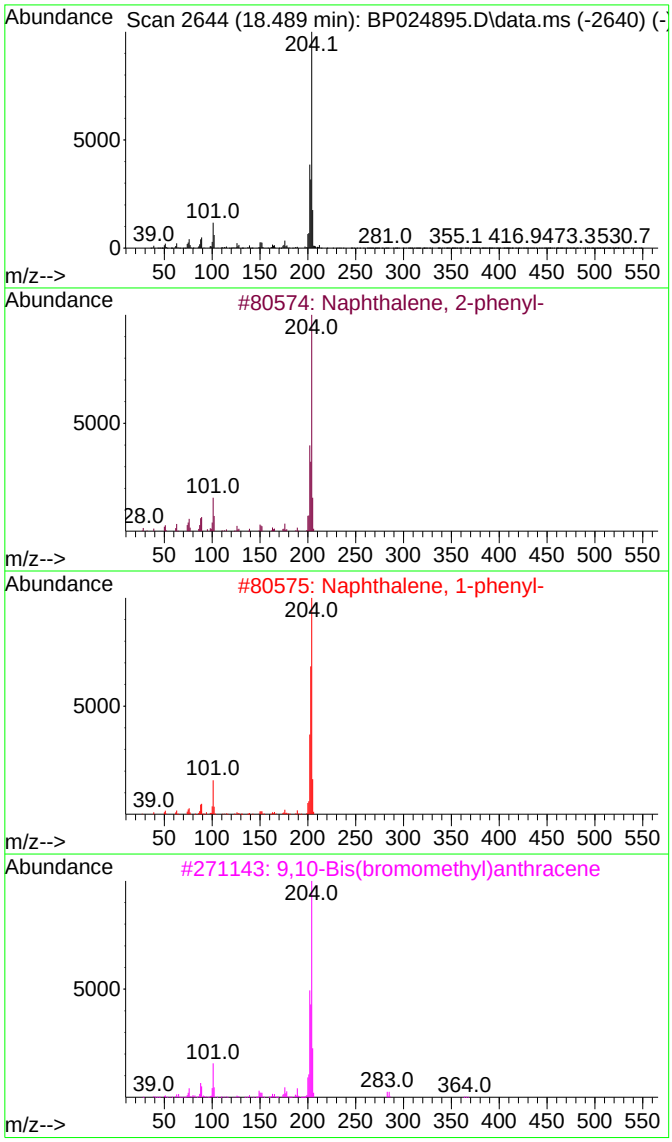
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

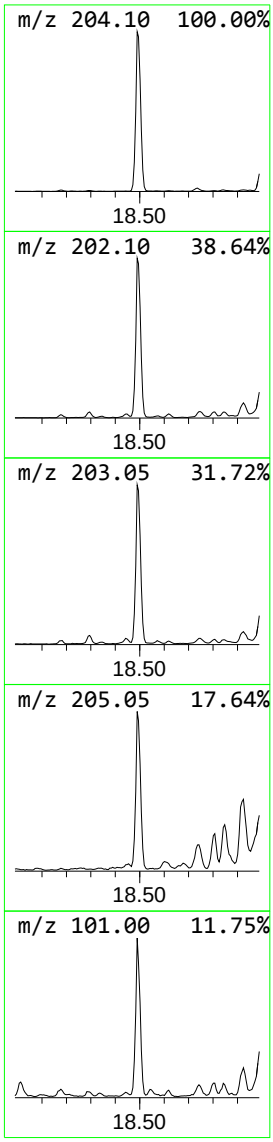
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.489	18.95 ng	3025890	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

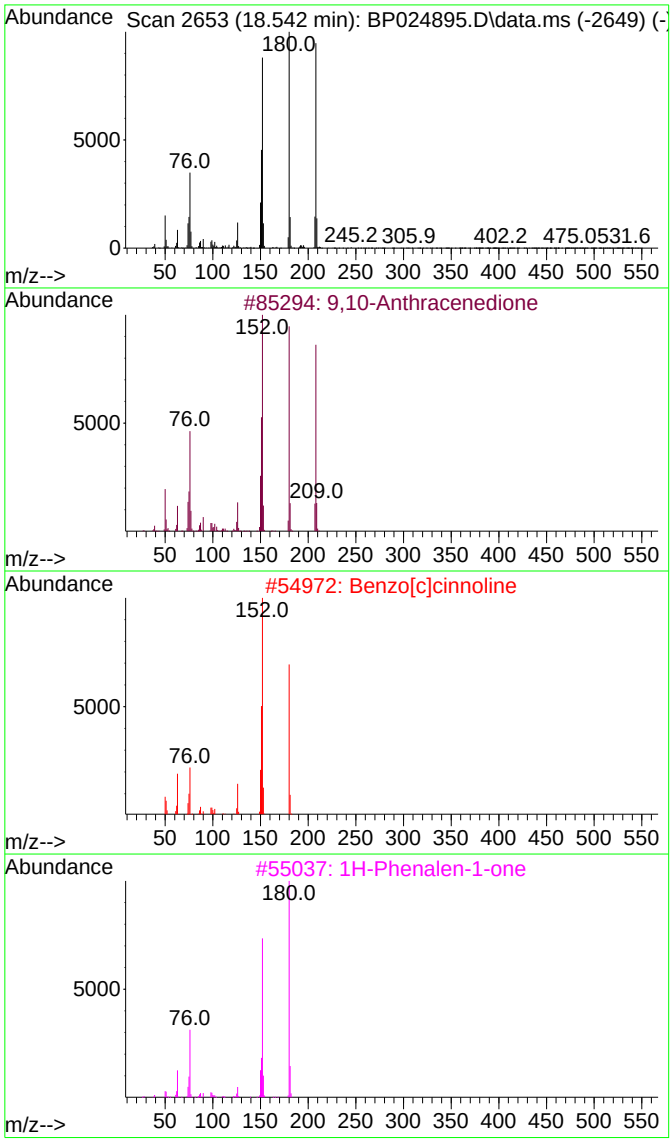
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

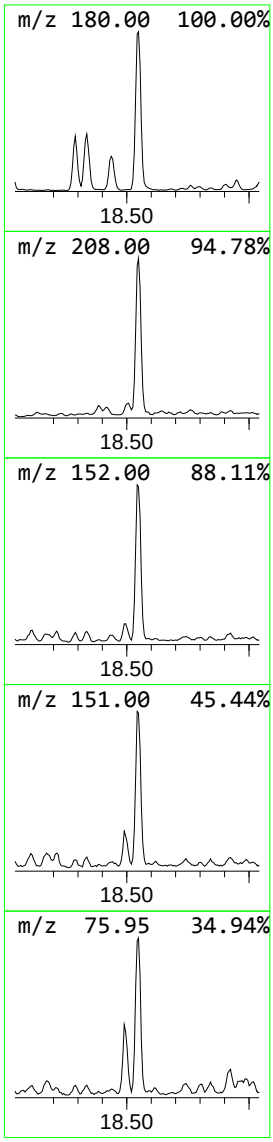
****

Peak Number 15 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.542	10.52 ng	1680540	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

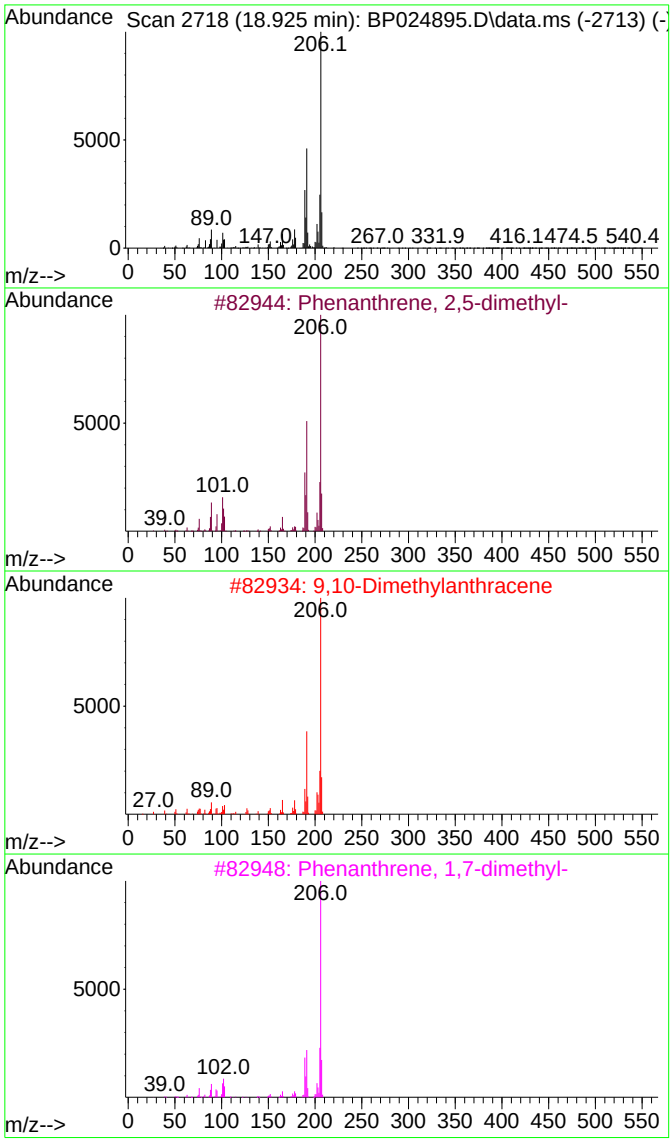
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

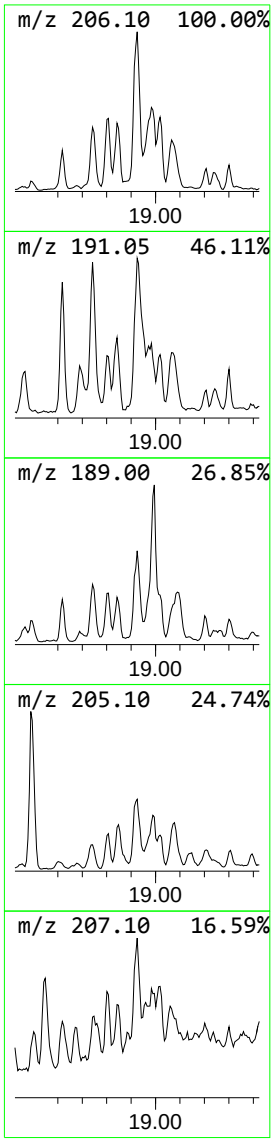
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.925	8.84 ng	1411820	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

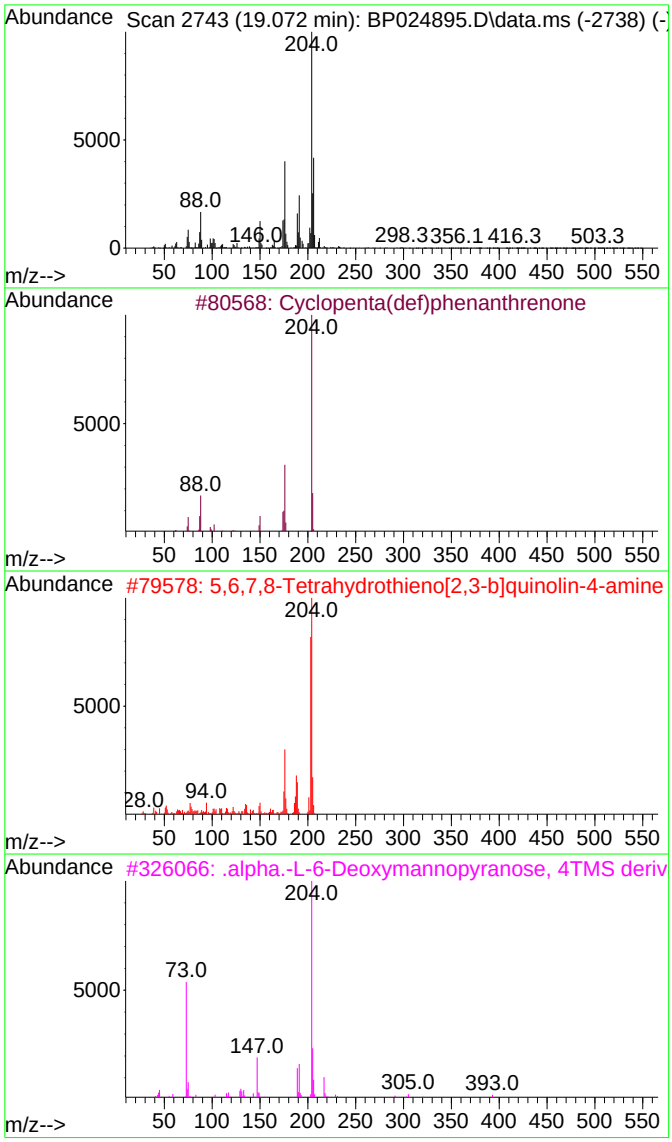
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

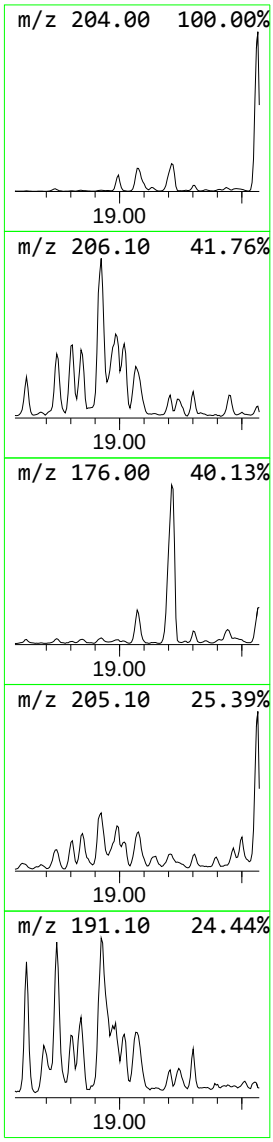
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.072	9.39 ng	1500260	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	47
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

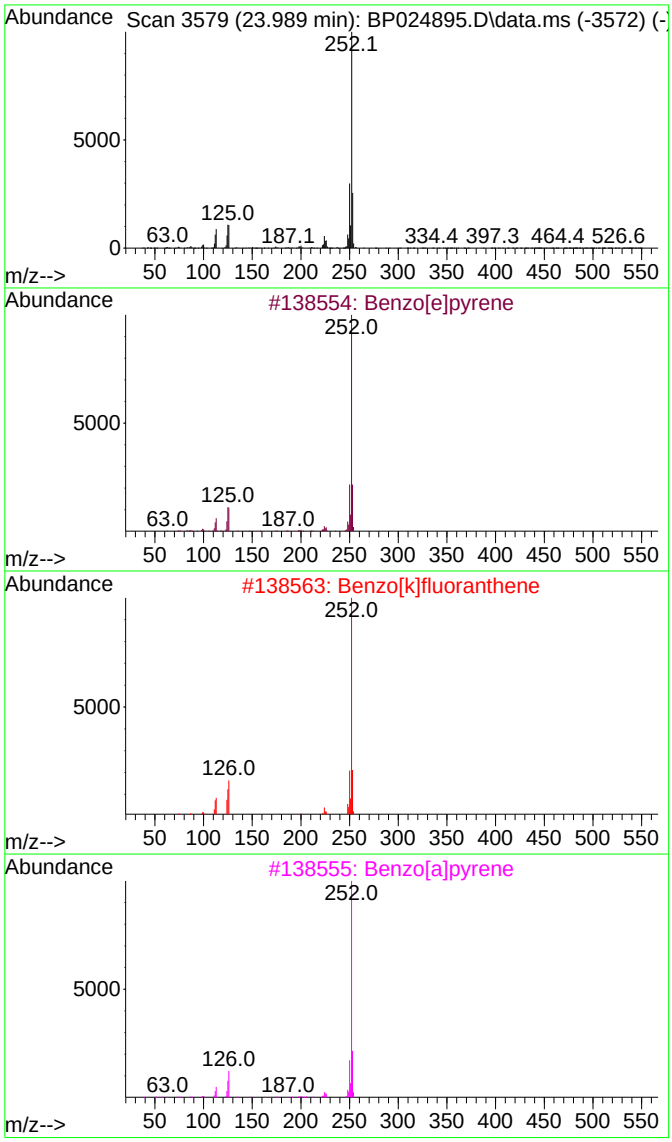
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

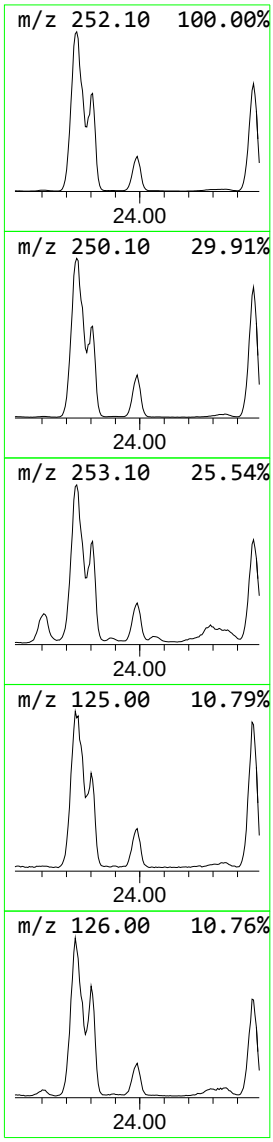
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.989	19.34 ng	3340090	Perylene-d12	24.760

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

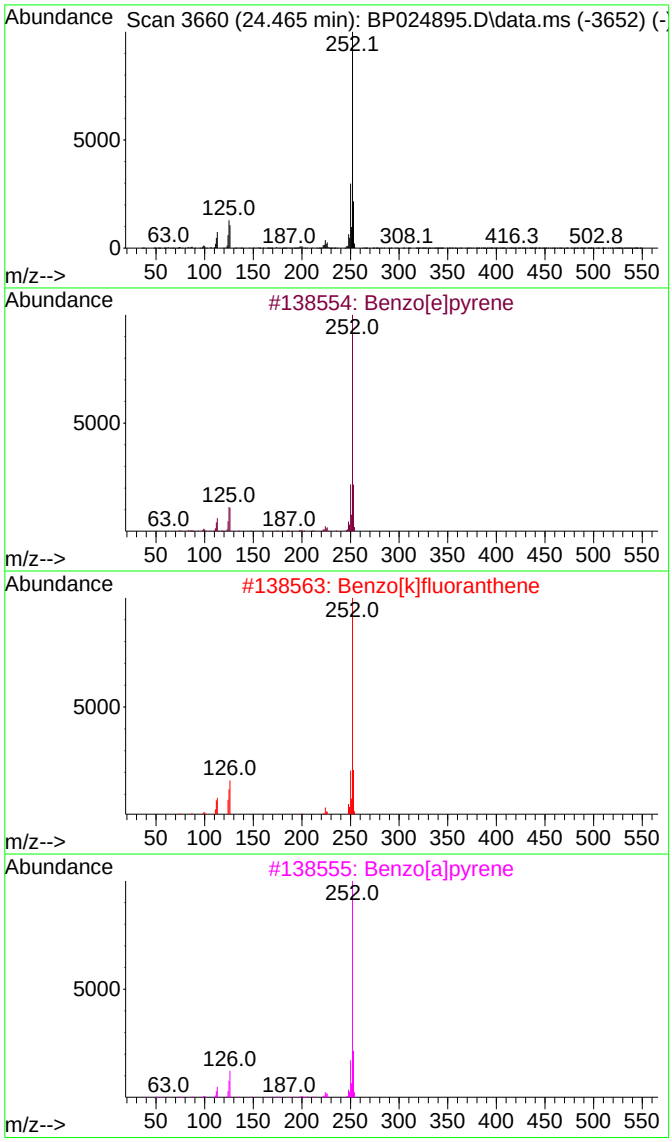
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

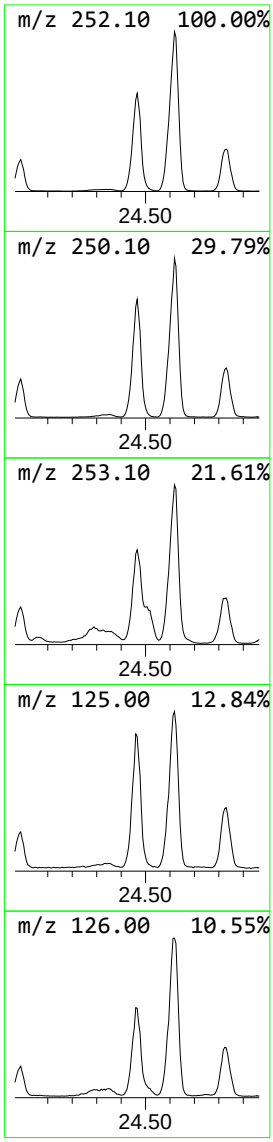
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.465	74.53 ng	12871300	Perylene-d12	24.760

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

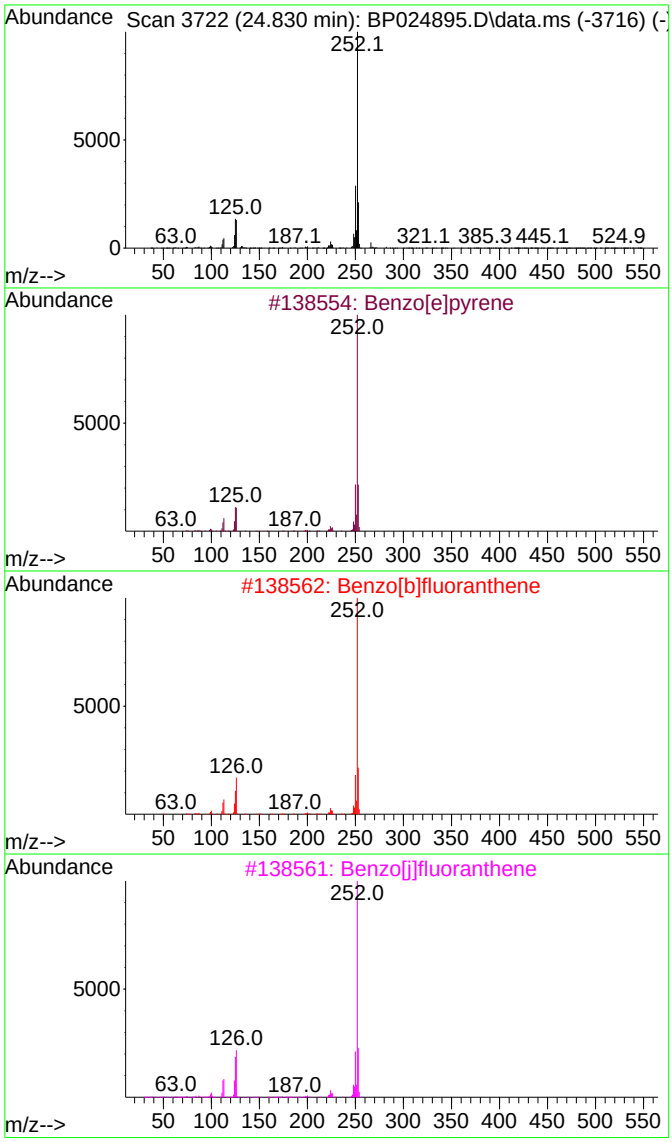
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

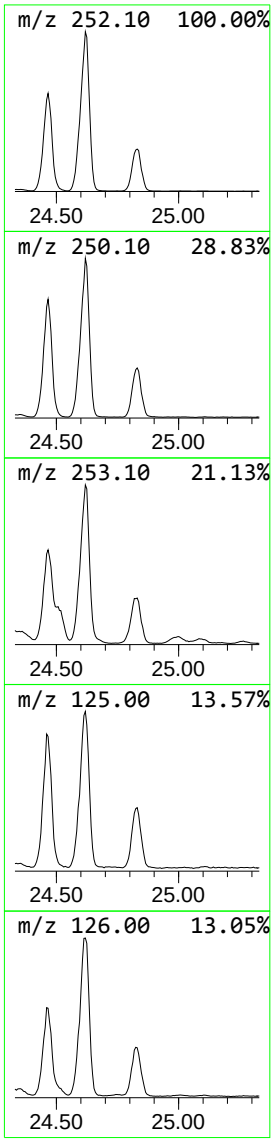
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.830	35.54 ng	6137460	Perylene-d12	24.760

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Perylene	252	C20H12	000198-55-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.772	6.4	ng	482252	1	7.607	1513180	20.0
Tridecane	11.807	11.3	ng	1568240	2	10.378	2781540	20.0
Benzophenone	15.642	15.9	ng	2438830	3	14.260	3065670	20.0
9H-Fluorene, 2-...	16.354	9.6	ng	1538440	4	17.072	3193750	20.0
9H-Fluoren-9-one	16.719	6.3	ng	1006050	4	17.072	3193750	20.0
Dibenzothiophene	16.878	16.6	ng	2658370	4	17.072	3193750	20.0
Acridine	17.272	6.9	ng	1095870	4	17.072	3193750	20.0
Dibenzo[a,e]cyc...	17.601	7.1	ng	1139990	4	17.072	3193750	20.0
Phenanthrene, 2...	17.966	20.5	ng	3271280	4	17.072	3193750	20.0
Phenanthrene, 1...	18.013	34.0	ng	5433460	4	17.072	3193750	20.0
1H-Cyclopropa[l...	18.107	12.8	ng	2040170	4	17.072	3193750	20.0
4H-Cyclopenta[d...	18.172	43.9	ng	7012350	4	17.072	3193750	20.0
Phenanthrene, 4...	18.213	10.8	ng	1720790	4	17.072	3193750	20.0
Naphthalene, 2-...	18.489	18.9	ng	3025890	4	17.072	3193750	20.0
9,10-Anthracene...	18.542	10.5	ng	1680540	4	17.072	3193750	20.0
Phenanthrene, 2...	18.925	8.8	ng	1411820	4	17.072	3193750	20.0
Cyclopenta(def)...	19.072	9.4	ng	1500260	4	17.072	3193750	20.0
Benzo[e]pyrene	23.989	19.3	ng	3340090	6	24.760	3453800	20.0
Perylene	24.465	74.5	ng	12871300	6	24.760	3453800	20.0
Benzo[j]fluoran...	24.830	35.5	ng	6137460	6	24.760	3453800	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024917.D
Acq On : 11 Jun 2025 18:27
Operator : RC/JU
Sample : Q2177-02DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 01:57:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.613	152	219933	20.000	ng		0.00
21) Naphthalene-d8	10.384	136	879842	20.000	ng		0.00
39) Acenaphthene-d10	14.254	164	533152	20.000	ng		0.00
64) Phenanthrene-d10	17.060	188	1070454	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1300156	20.000	ng		0.00
86) Perylene-d12	24.754	264	1571242	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.243	112	285761	21.688	ng		0.00
7) Phenol-d6	6.825	99	361831	20.755	ng		0.01
23) Nitrobenzene-d5	8.766	82	220955	12.203	ng		0.00
42) 2,4,6-Tribromophenol	15.784	330	164843	22.363	ng		0.00
45) 2-Fluorobiphenyl	12.866	172	499456	12.620	ng		0.00
79) Terphenyl-d14	19.777	244	843470	11.627	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	10.431	128	152893	3.391	ng		98
52) Acenaphthene	14.319	154	238656	8.388	ng		99
55) Dibenzofuran	14.666	168	215094	4.710	ng		98
58) Fluorene	15.325	166	232055	6.290	ng		99
71) Phenanthrene	17.101	178	3511051	59.354	ng		99
72) Anthracene	17.195	178	920713	15.368	ng		99
73) Carbazole	17.483	167	321499	5.790	ng		99
75) Fluoranthene	19.195	202	4135705	60.320	ng		98
78) Pyrene	19.572	202	3691405	45.446	ng		100
81) Benzo(a)anthracene	21.471	228	1706833	20.526	ng		99
83) Chrysene	21.536	228	1437484	18.244	ng		97
87) Indeno(1,2,3-cd)pyrene	28.442	276	1029739	8.982	ng		95
88) Benzo(b)fluoranthene	23.724	252	1907061	21.208	ng		98
89) Benzo(k)fluoranthene	23.783	252	673277m	7.356	ng		
90) Benzo(a)pyrene	24.601	252	1587050	18.072	ng		98
91) Dibenzo(a,h)anthracene	28.518	278	229499	2.459	ng	#	90
92) Benzo(g,h,i)perylene	29.600	276	1000654	10.808	ng		98

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

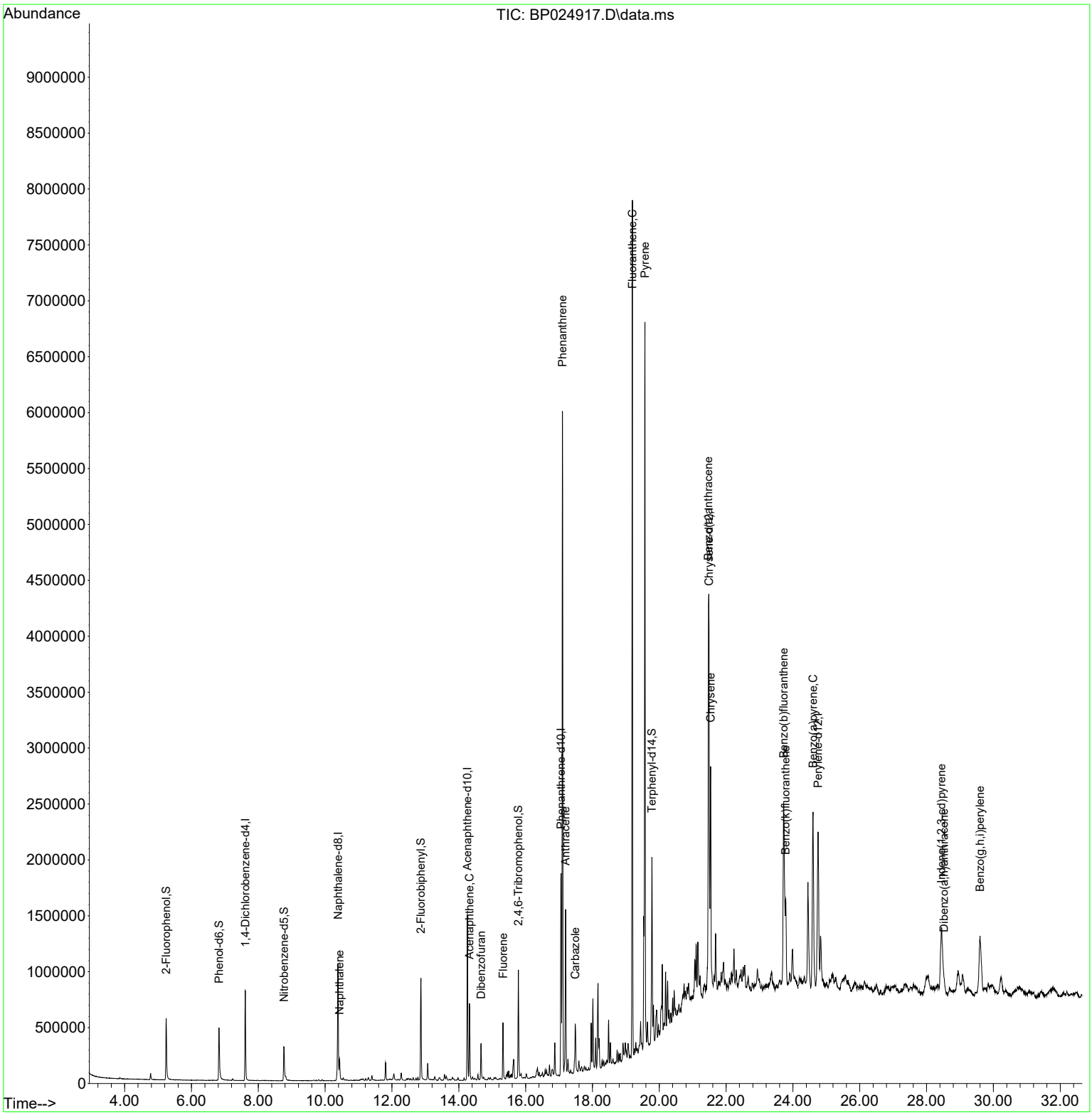
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024917.D
Acq On : 11 Jun 2025 18:27
Operator : RC/JU
Sample : Q2177-02DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

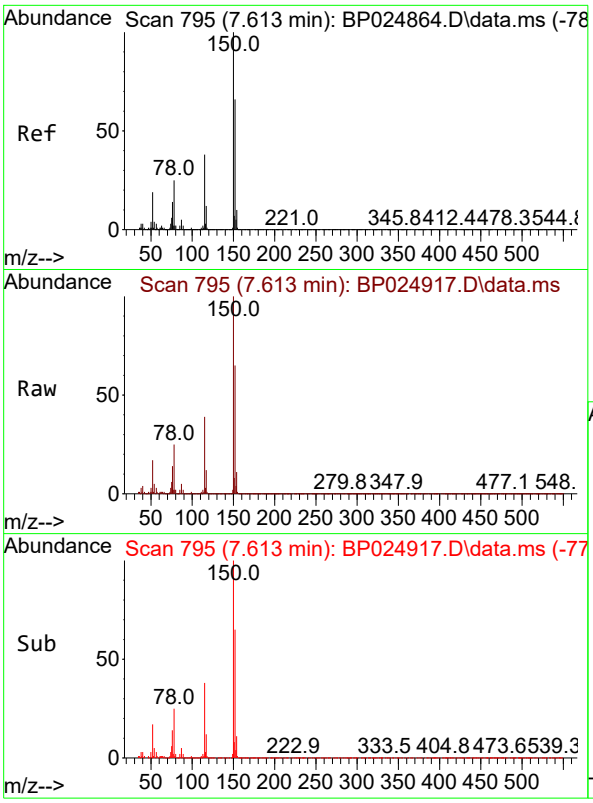
Quant Time: Jun 12 01:57:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

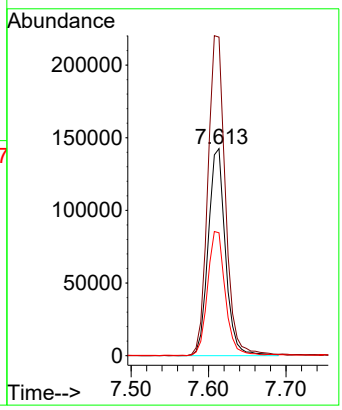




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

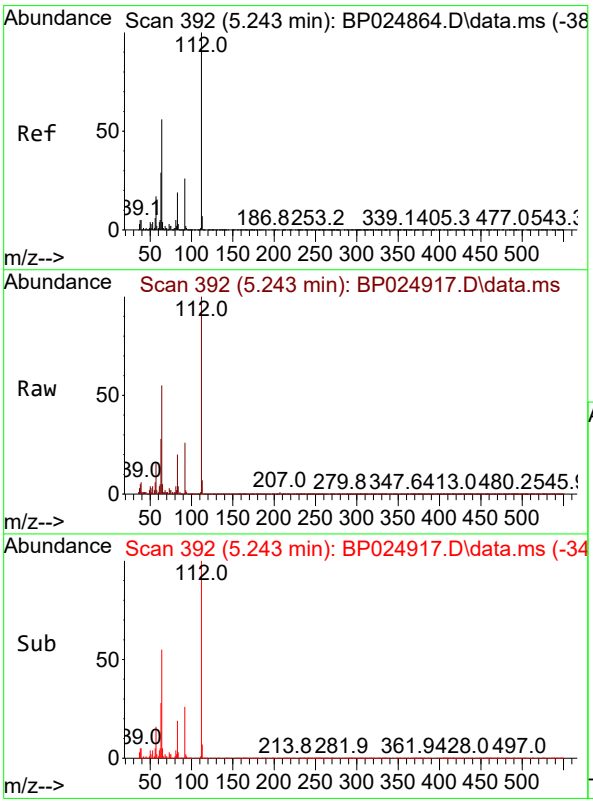
Tgt Ion:152 Resp: 21993

Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.1	183.1
115	59.4	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

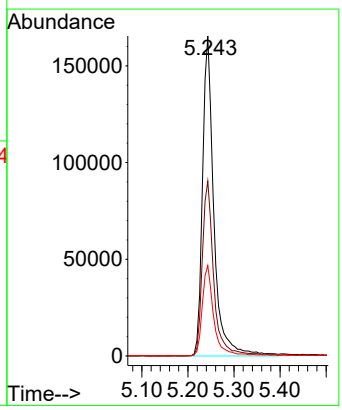
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

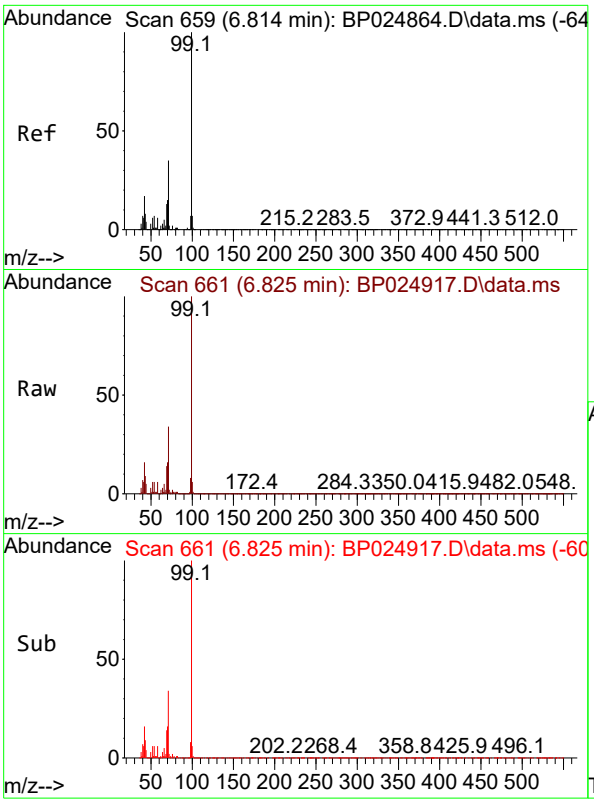


#5
2-Fluorophenol
Concen: 21.688 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:112 Resp: 285761

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.7	67.1
63	28.3	23.5	35.3

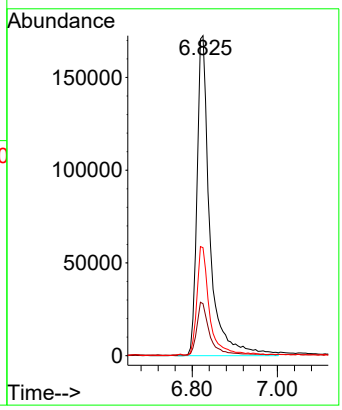




#7
Phenol-d6
Concen: 20.755 ng
RT: 6.825 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

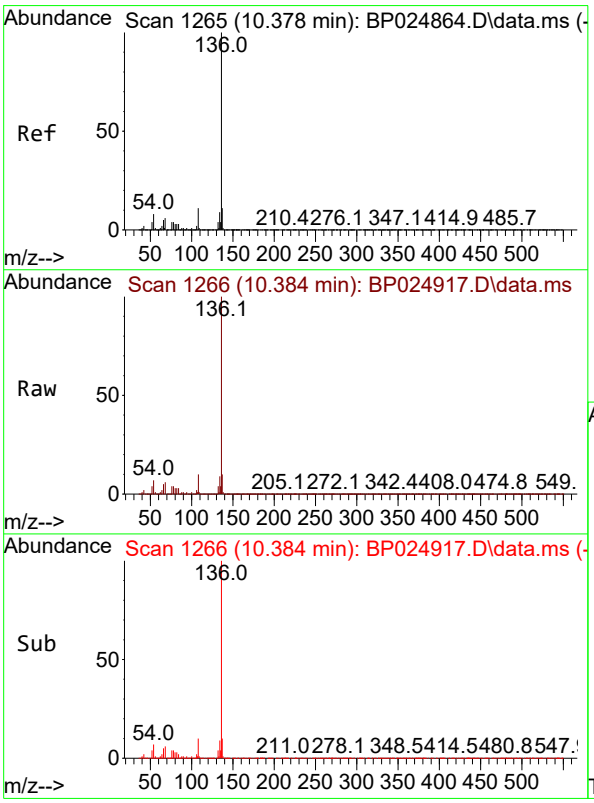
Tgt Ion: 99 Resp: 36183

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	33.7	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

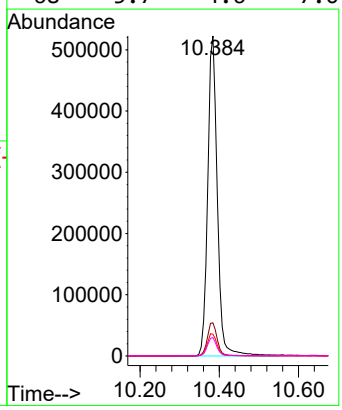
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

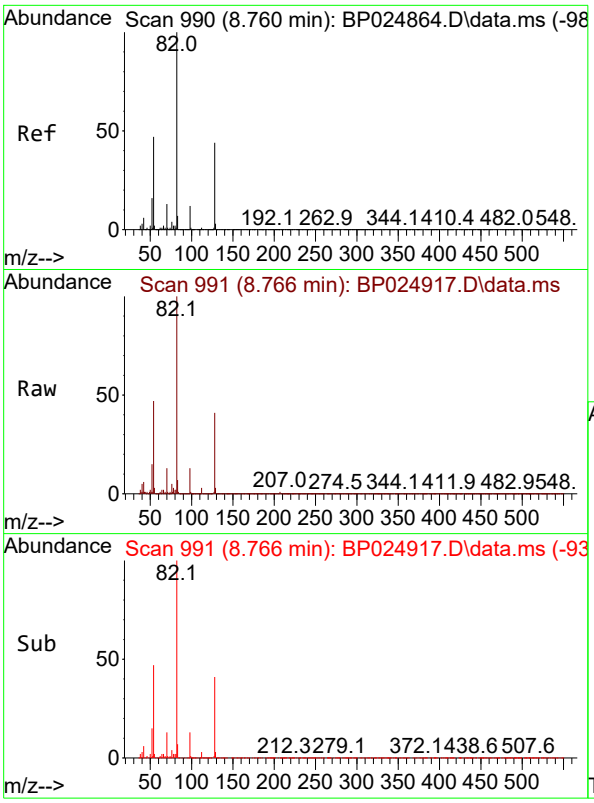


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:136 Resp: 879842

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.8	6.1	9.1
68	5.7	4.6	7.0

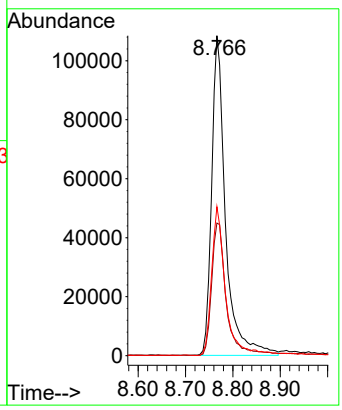




#23
Nitrobenzene-d5
Concen: 12.203 ng
RT: 8.766 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

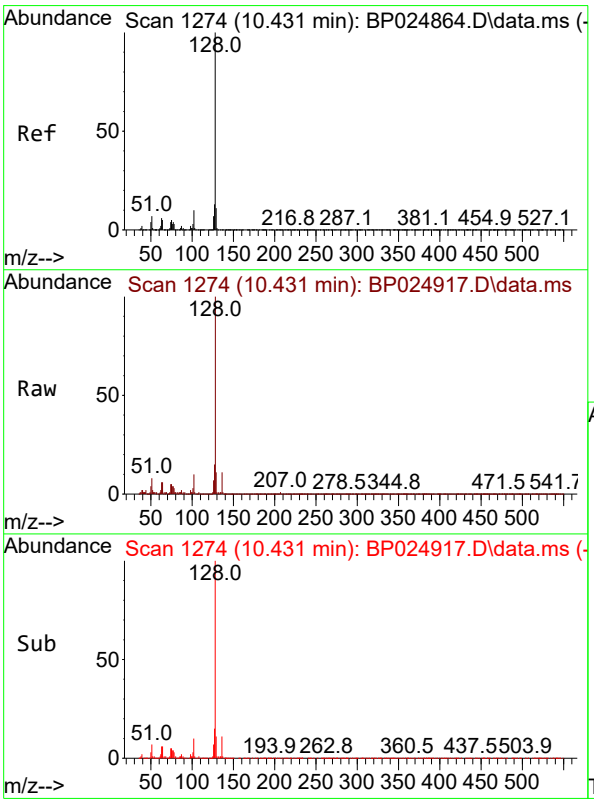
Tgt Ion: 82 Resp: 22095

Ion	Ratio	Lower	Upper
82	100		
128	41.5	35.3	52.9
54	46.5	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

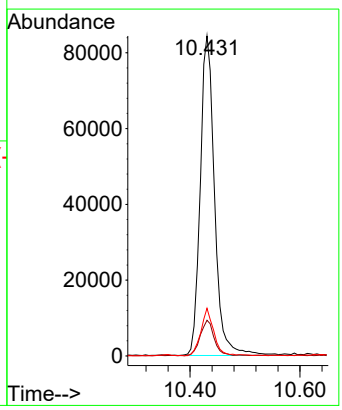
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

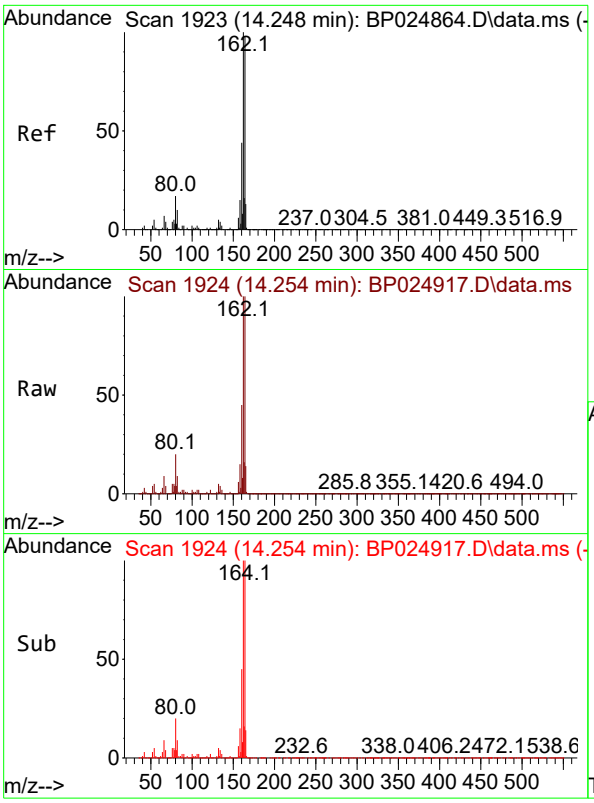


#31
Naphthalene
Concen: 3.391 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:128 Resp: 152893

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	14.9	10.7	16.1

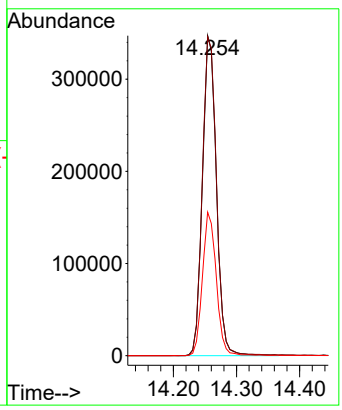




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

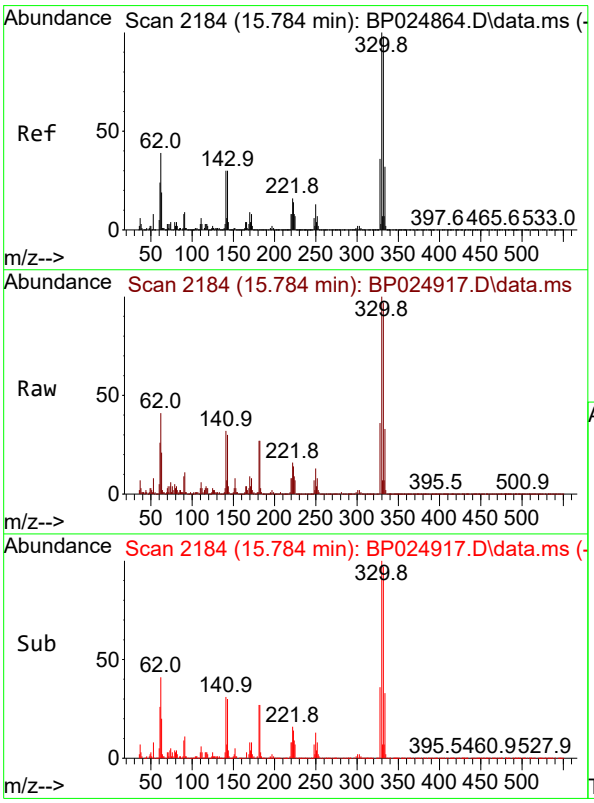
Tgt Ion:164 Resp: 53315

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.6	122.4
160	44.9	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

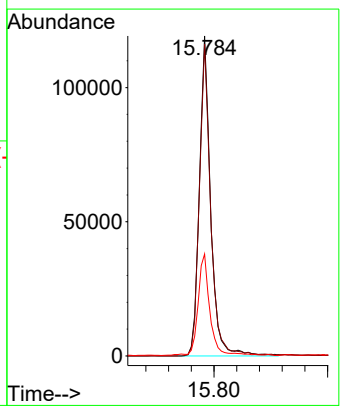
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

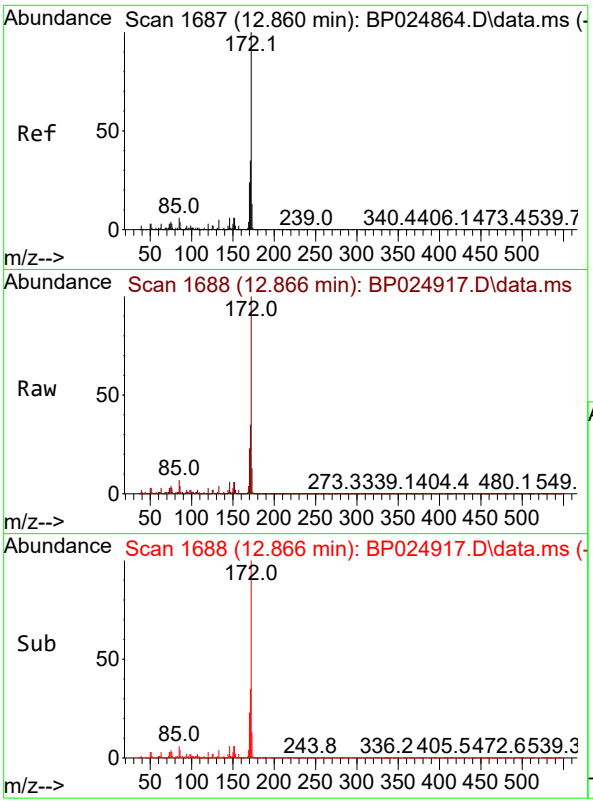


#42
2,4,6-Tribromophenol
Concen: 22.363 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:330 Resp: 164843

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	32.9	26.4	39.6

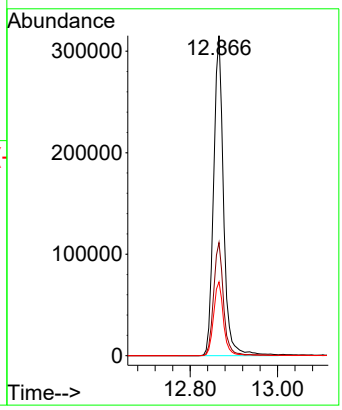




#45
2-Fluorobiphenyl
Concen: 12.620 ng
RT: 12.866 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:172 Resp: 49945

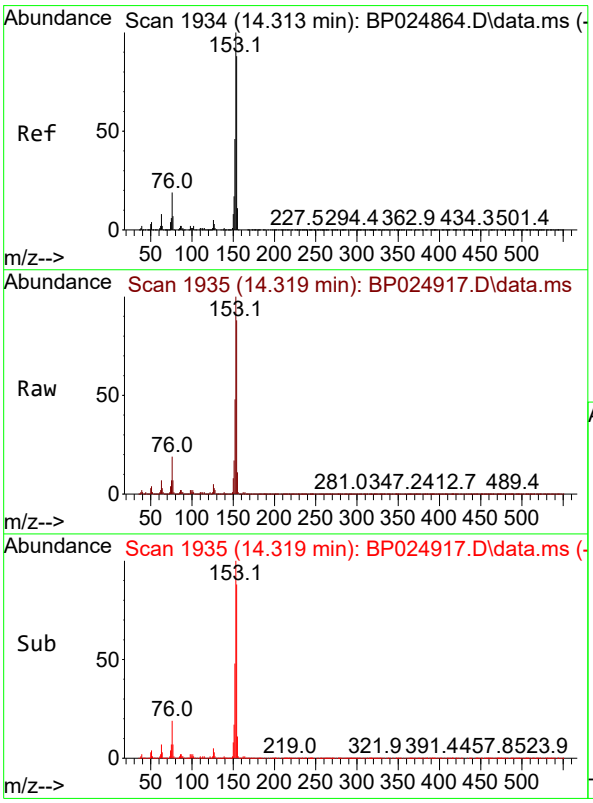
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

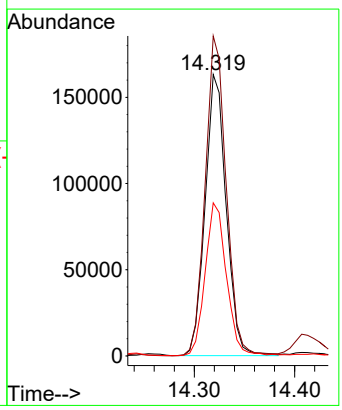
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

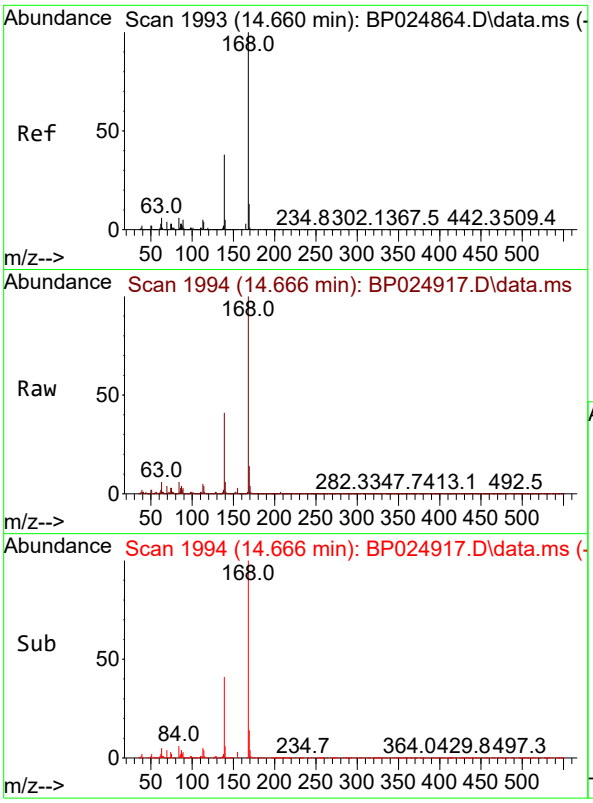


#52
Acenaphthene
Concen: 8.388 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:154 Resp: 238656

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	54.4	42.1	63.1

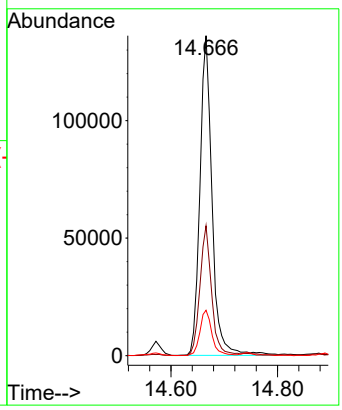




#55
Dibenzofuran
Concen: 4.710 ng
RT: 14.666 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

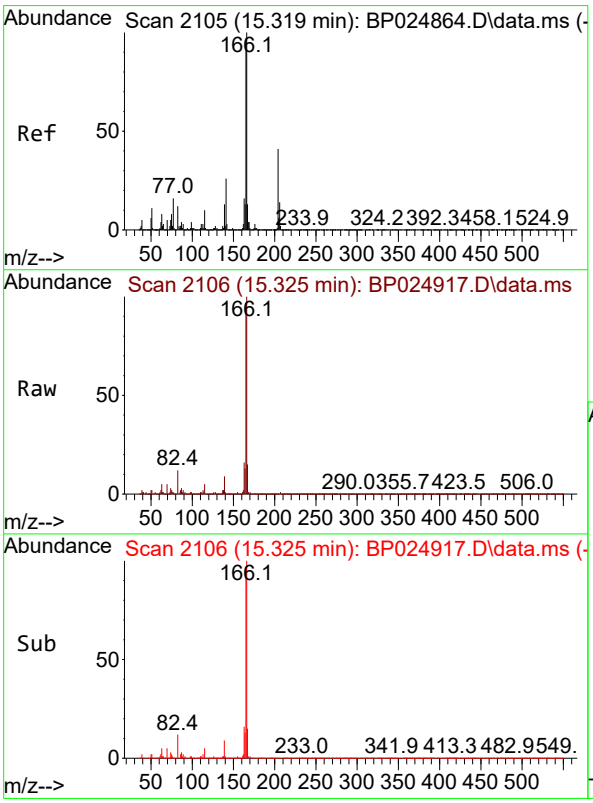
Tgt Ion:168 Resp: 21509

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.6	47.4
169	14.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

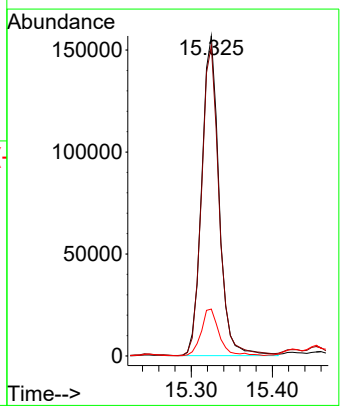
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

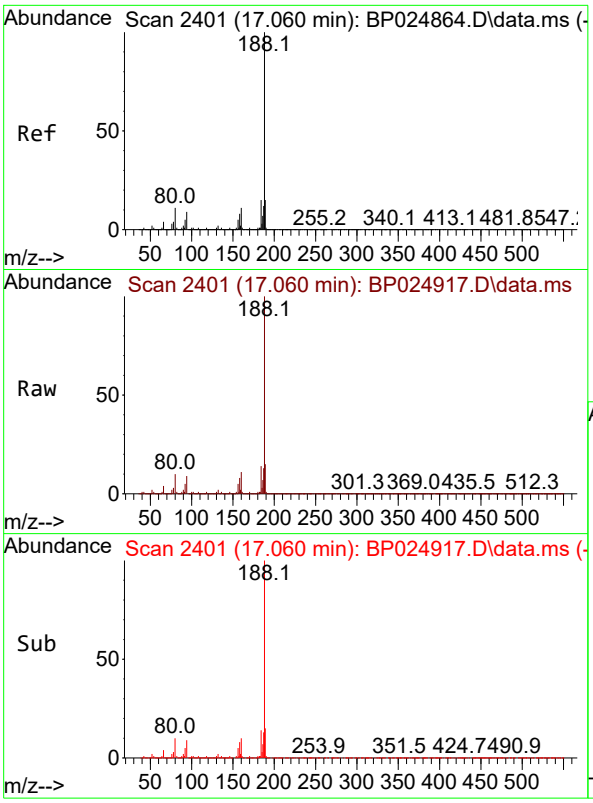


#58
Fluorene
Concen: 6.290 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:166 Resp: 232055

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.7	116.5
167	14.7	10.6	16.0

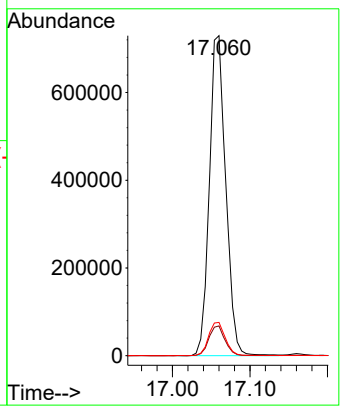




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:188 Resp: 107045

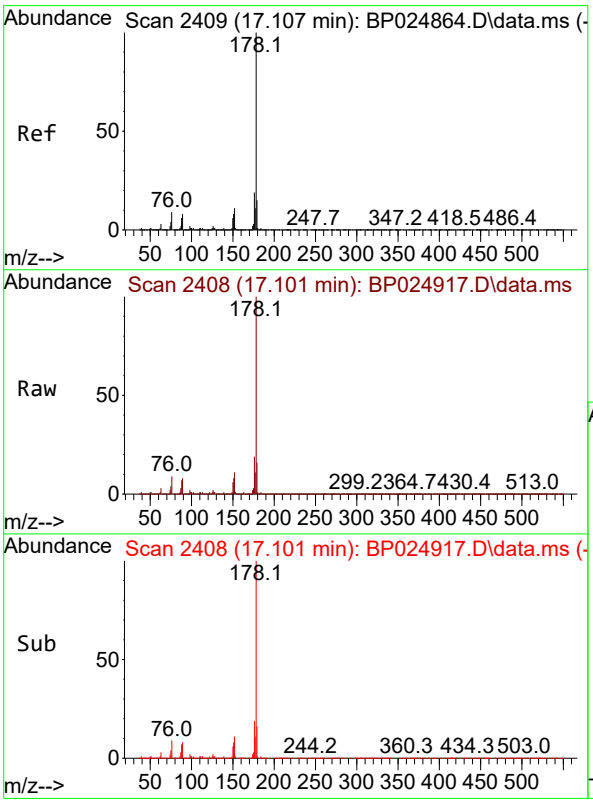
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations APPROVED

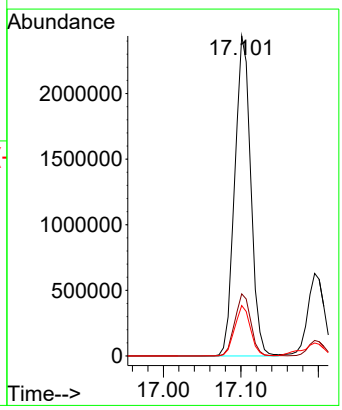
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

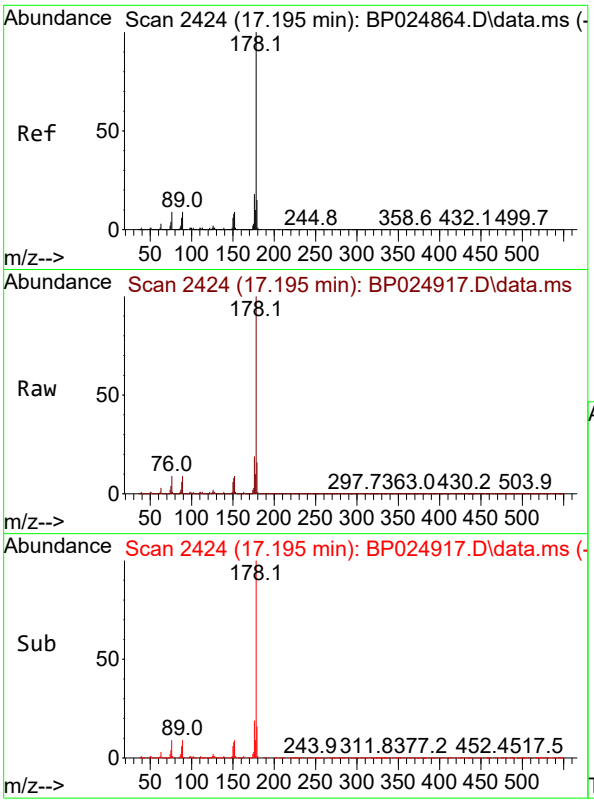


#71
Phenanthrene
Concen: 59.354 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:178 Resp: 3511051

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.1	18.1

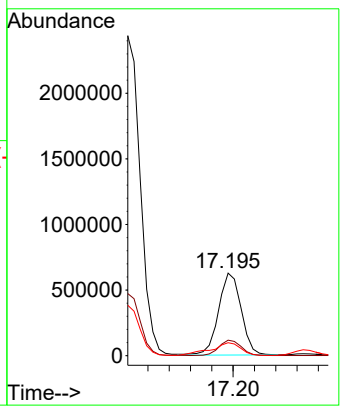




#72
Anthracene
Concen: 15.368 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:178 Resp: 92071

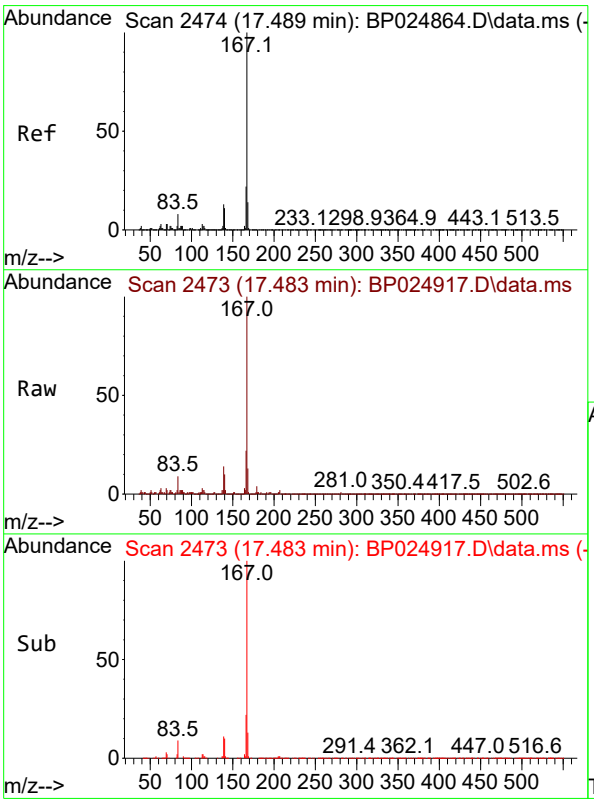
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.7	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

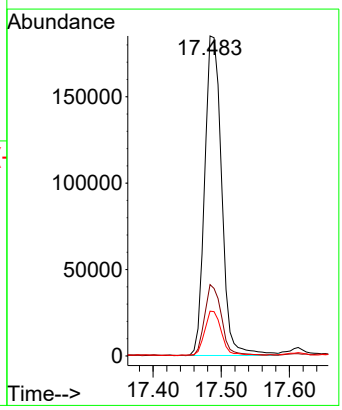
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

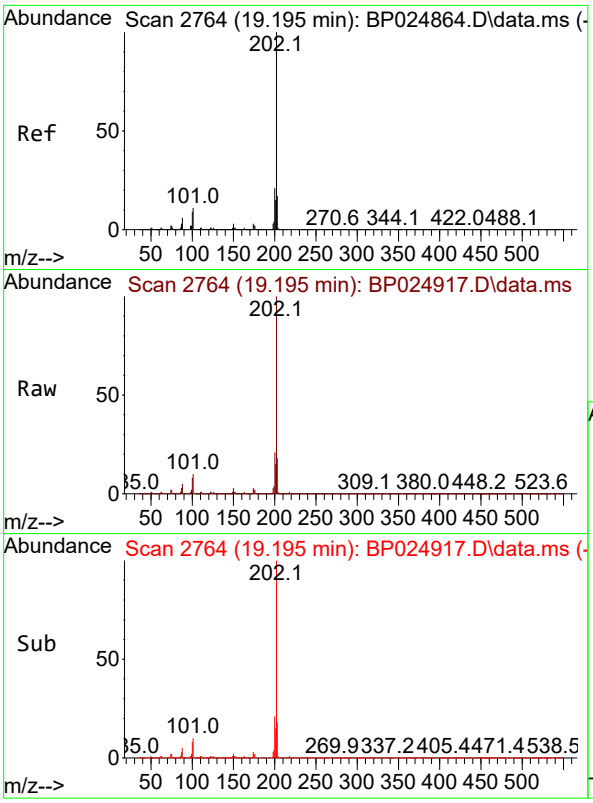


#73
Carbazole
Concen: 5.790 ng
RT: 17.483 min Scan# 2473
Delta R.T. -0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:167 Resp: 321499

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.3	25.9
139	14.0	10.8	16.2

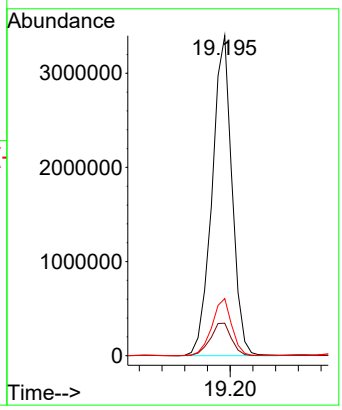




#75
Fluoranthene
Concen: 60.320 ng
RT: 19.195 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:202 Resp: 413570

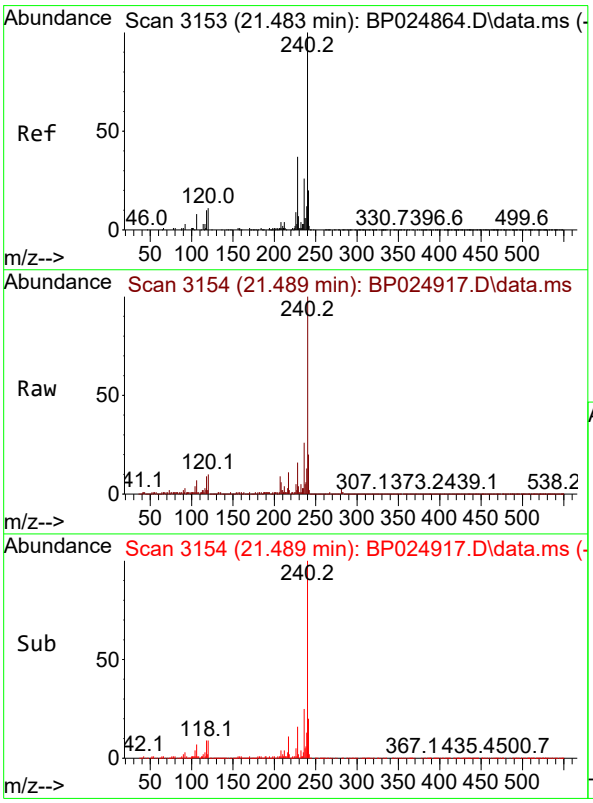
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.9	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

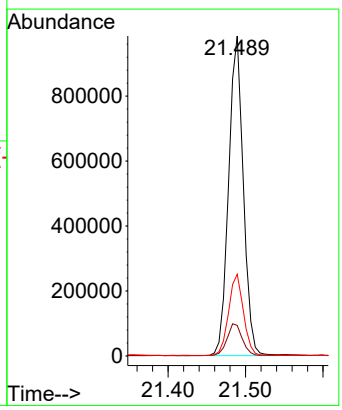
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

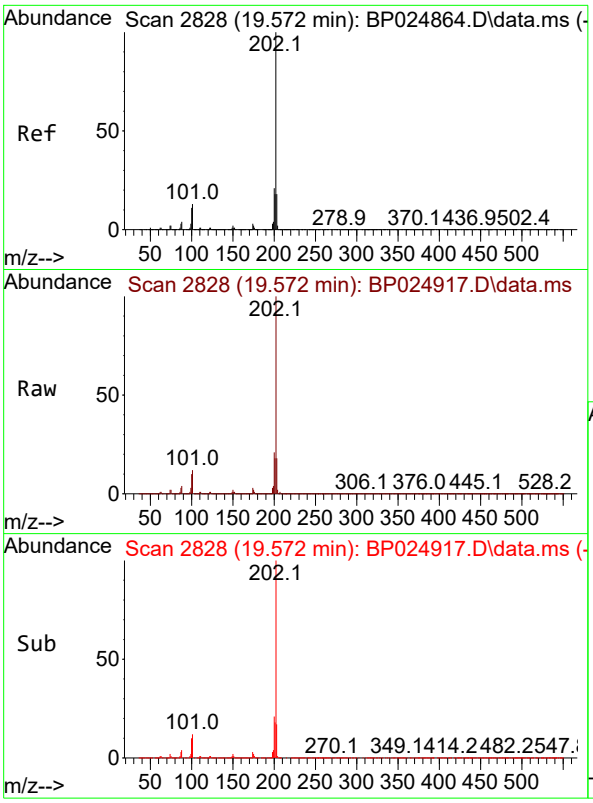


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:240 Resp: 1300156

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.9	13.3
236	25.6	20.9	31.3

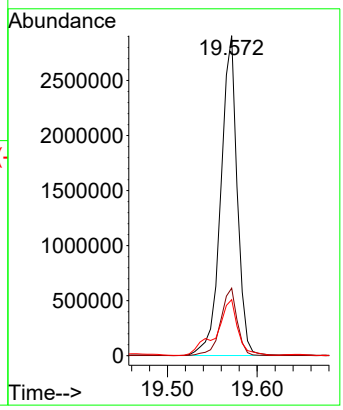




#78
Pyrene
Concen: 45.446 ng
RT: 19.572 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:202 Resp: 369140

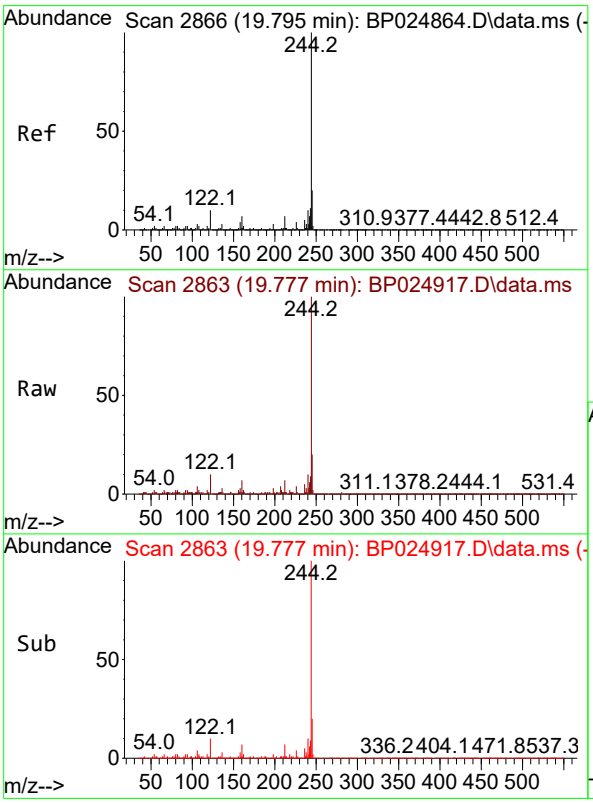
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.5	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

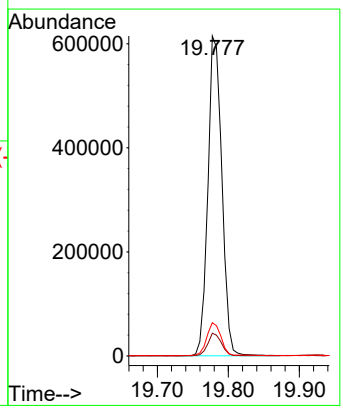
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

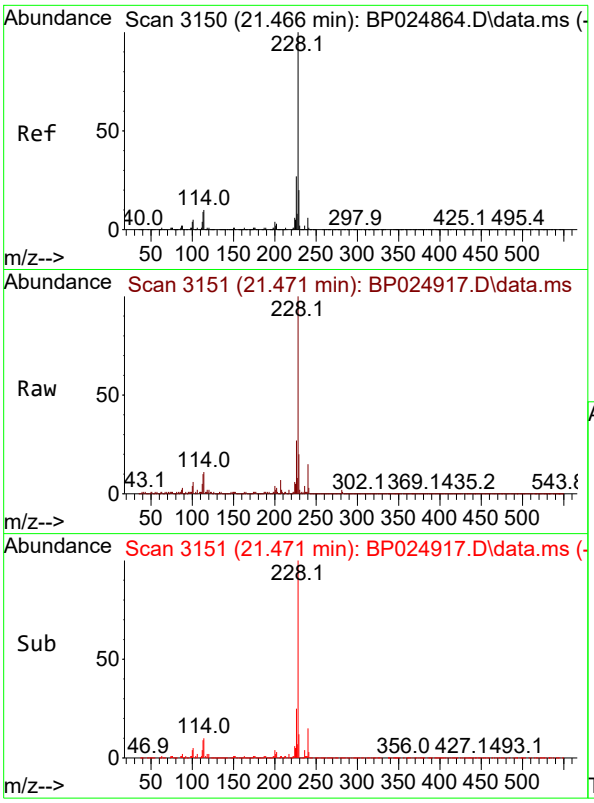


#79
Terphenyl-d14
Concen: 11.627 ng
RT: 19.777 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:244 Resp: 843470

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.4	7.7	11.5

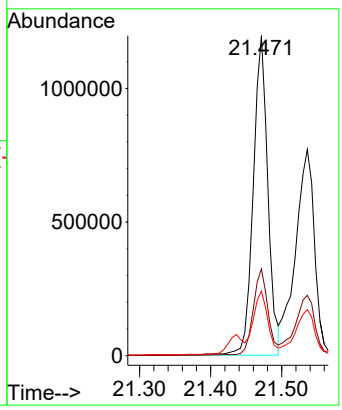




#81
Benzo(a)anthracene
Concen: 20.526 ng
RT: 21.471 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:228 Resp: 170683

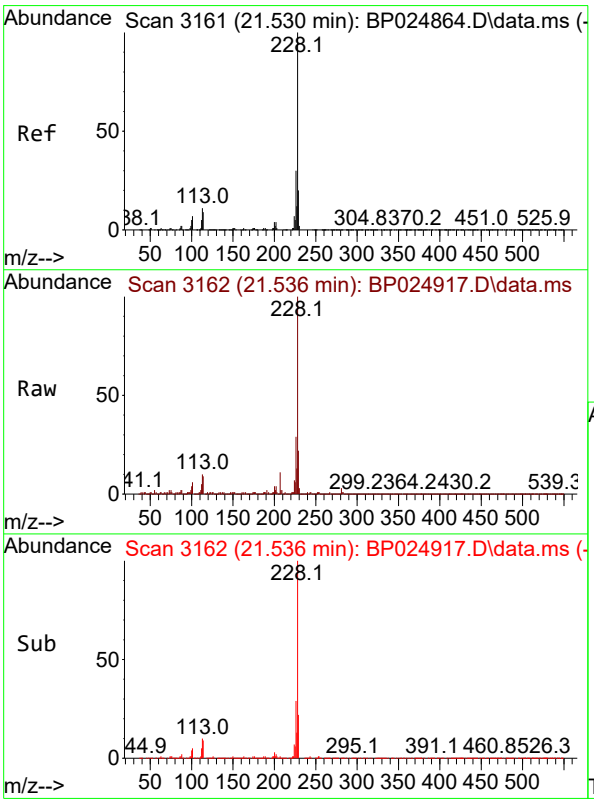
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

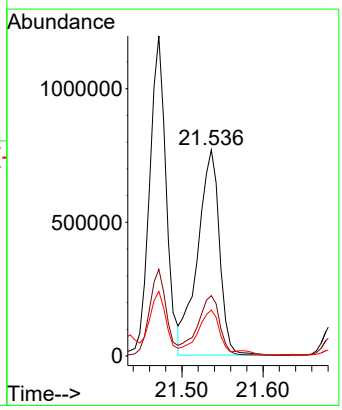
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

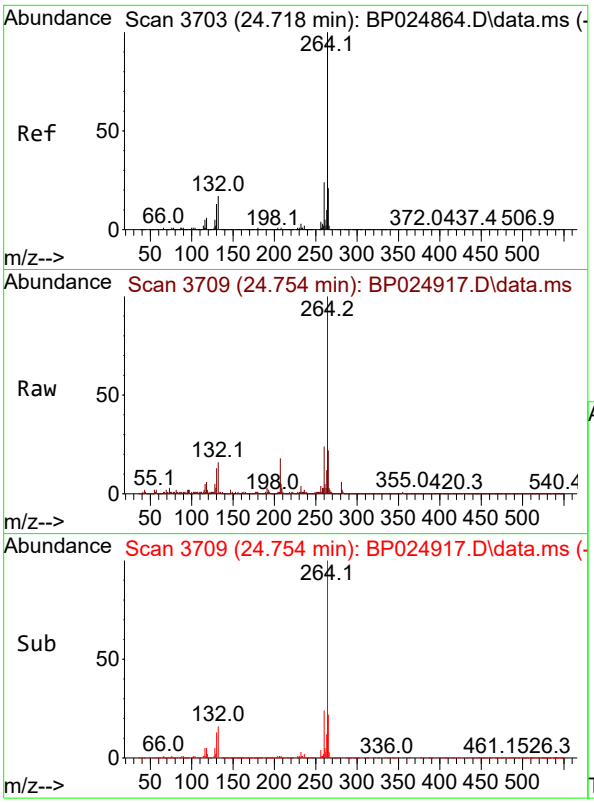


#83
Chrysene
Concen: 18.244 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:228 Resp: 1437484

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	22.3	15.6	23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.754 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

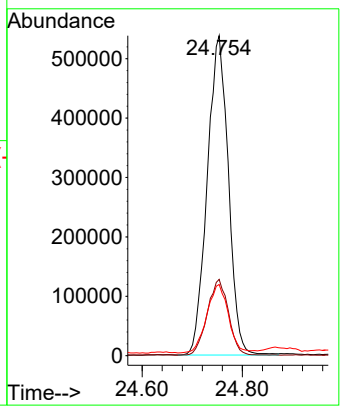
Tgt Ion:264 Resp: 157124

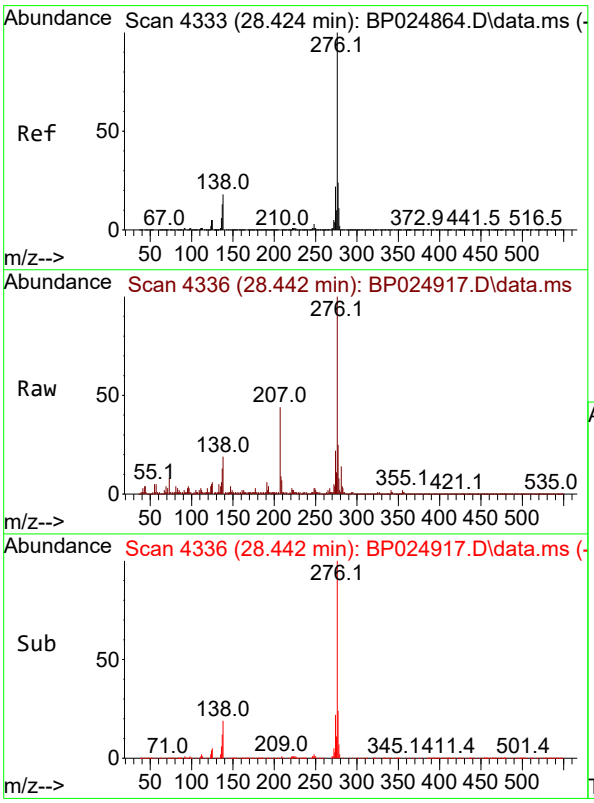
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.2	17.4	26.0

Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

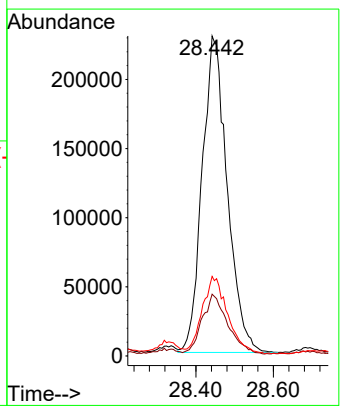


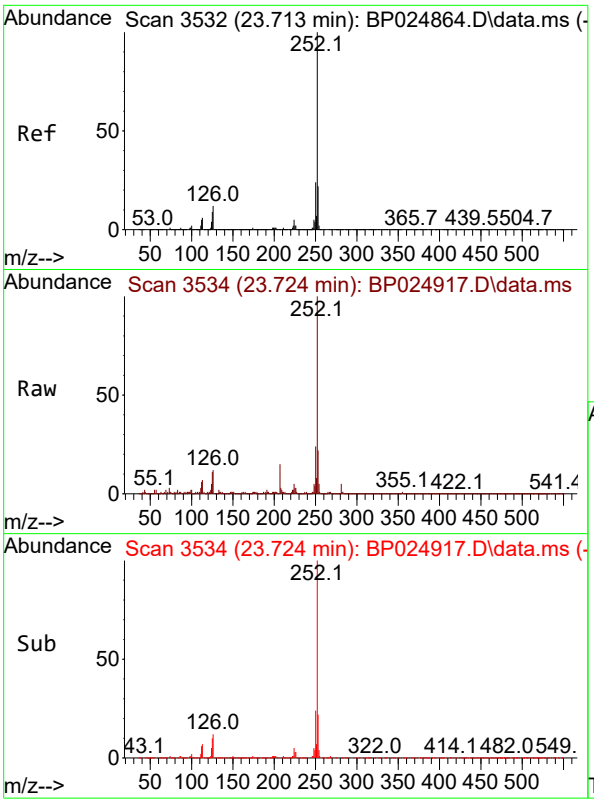


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.982 ng
RT: 28.442 min Scan# 4336
Delta R.T. 0.018 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:276 Resp: 1029739

Ion	Ratio	Lower	Upper
276	100		
138	19.2	18.6	27.8
277	24.4	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 23.724 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

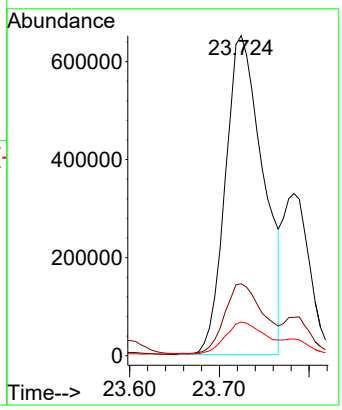
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

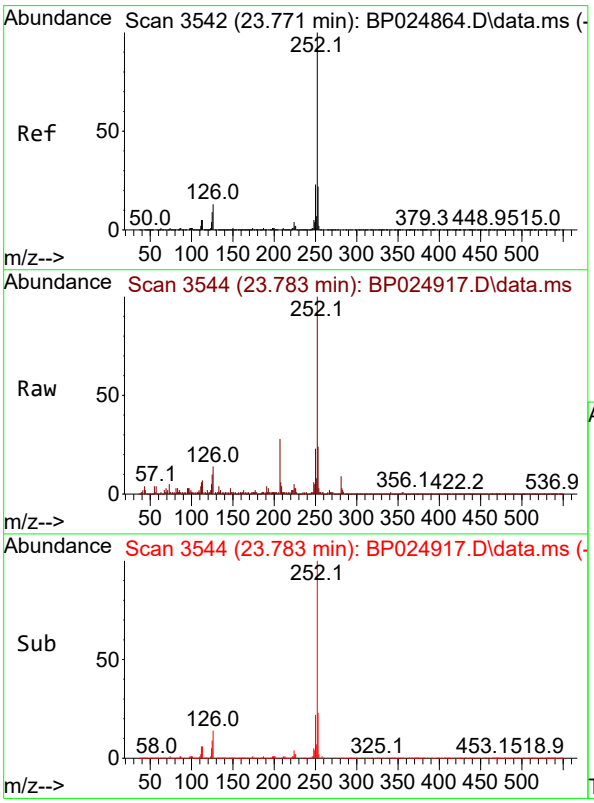
Tgt Ion:252 Resp: 190706

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.5	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

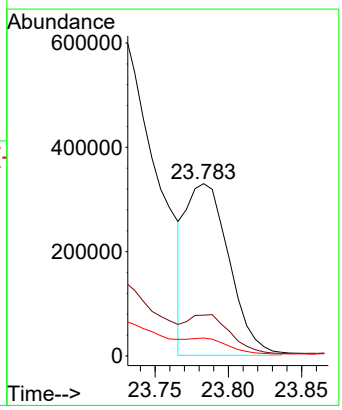


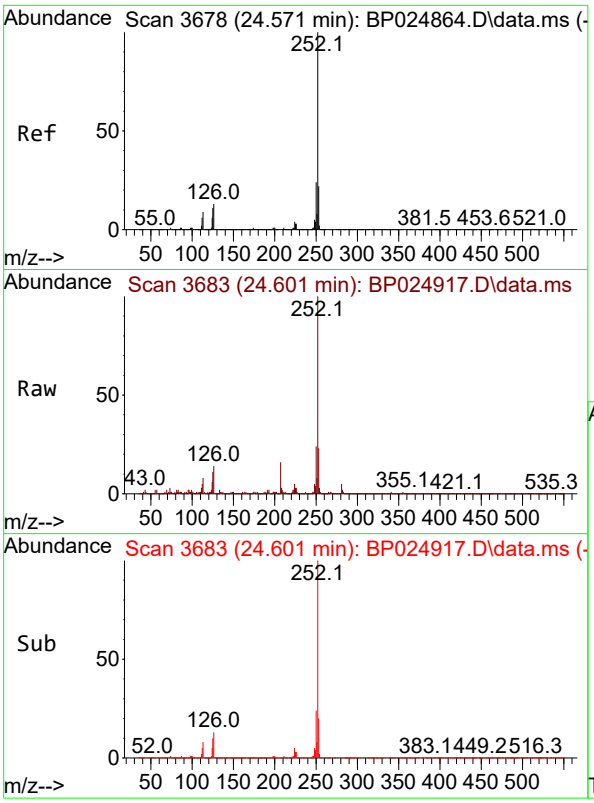


#89
Benzo(k)fluoranthene
Concen: 7.356 ng m
RT: 23.783 min Scan# 3544
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:252 Resp: 673277

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.4	7.4	11.0





#90
Benzo(a)pyrene
Concen: 18.072 ng
RT: 24.601 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

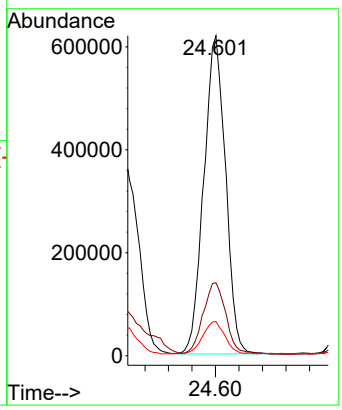
Tgt Ion:252 Resp: 158705

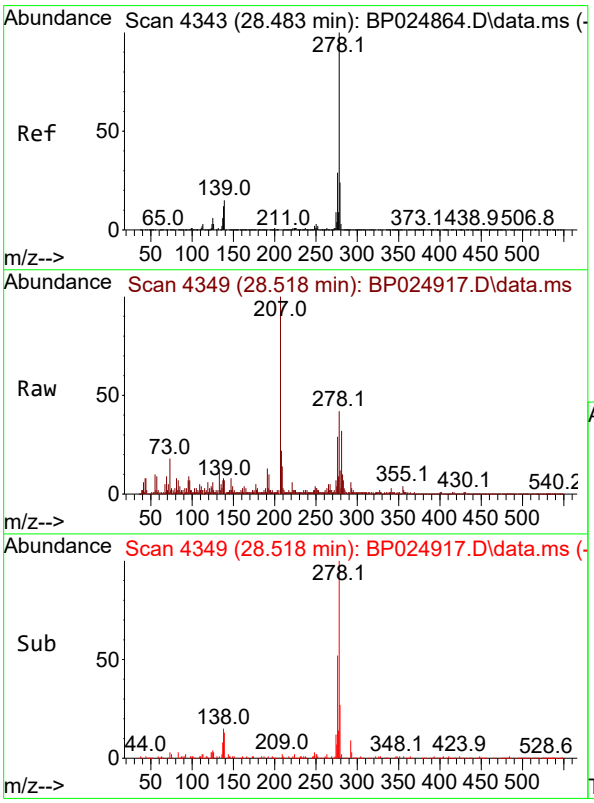
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.7	8.8	13.2

Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

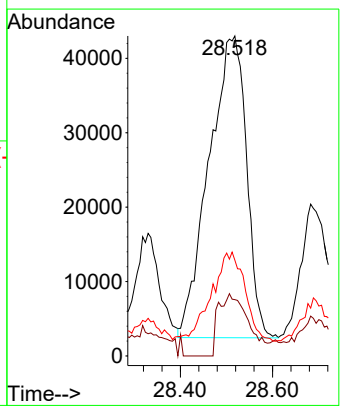


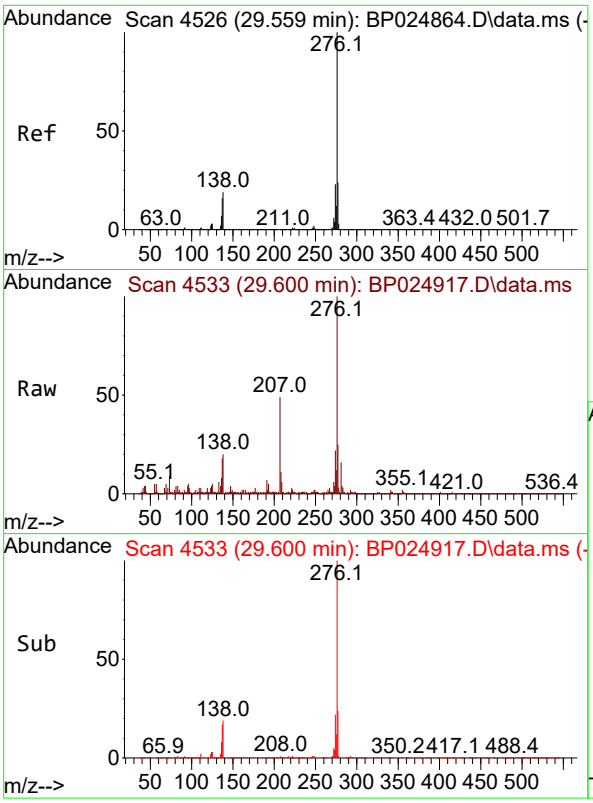


#91
Dibenzo(a,h)anthracene
Concen: 2.459 ng
RT: 28.518 min Scan# 4349
Delta R.T. 0.035 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:278 Resp: 229499

Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.0	18.0
279	29.9	19.1	28.7#

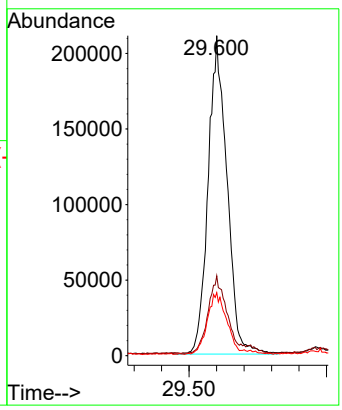




#92
Benzo(g,h,i)perylene
Concen: 10.808 ng
RT: 29.600 min Scan# 4
Delta R.T. 0.041 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:276 Resp: 100065

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	19.7	15.4	23.2



Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Time: Jun 06 22:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

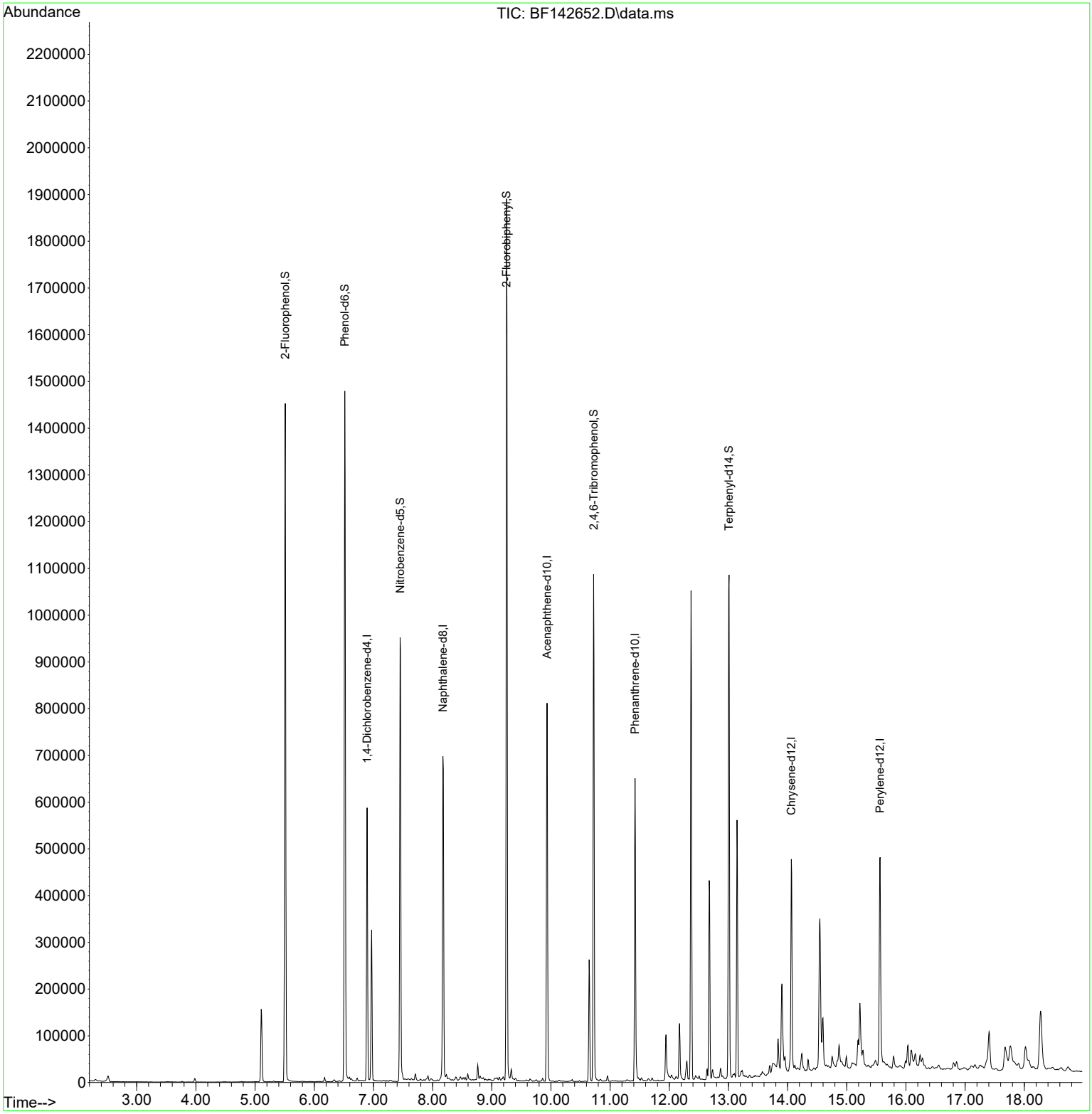
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	464348	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	242206	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	341702	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233121	20.000	ng	-0.01
86) Perylene-d12	15.562	264	281873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	567965	75.275	ng	0.00
7) Phenol-d6	6.516	99	709724	78.141	ng	-0.02
23) Nitrobenzene-d5	7.451	82	418235	49.114	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	192758	71.706	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	851469	47.173	ng	-0.02
79) Terphenyl-d14	13.010	244	546241	32.020	ng	0.00
Target Compounds						Qvalue

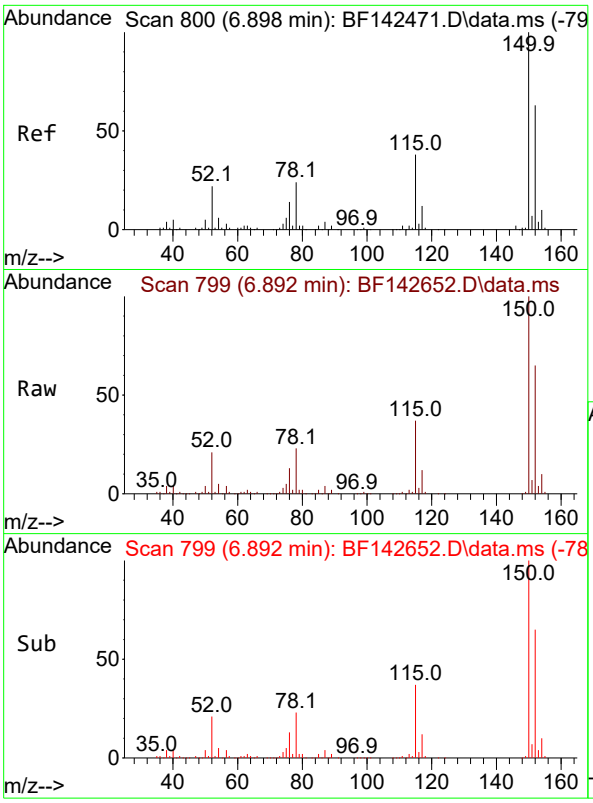
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Time: Jun 06 22:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



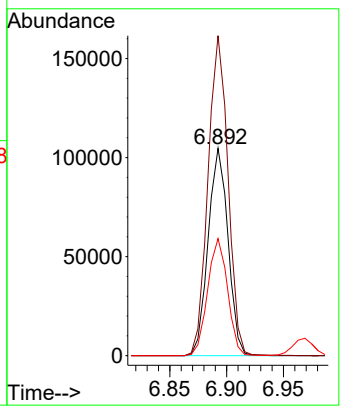


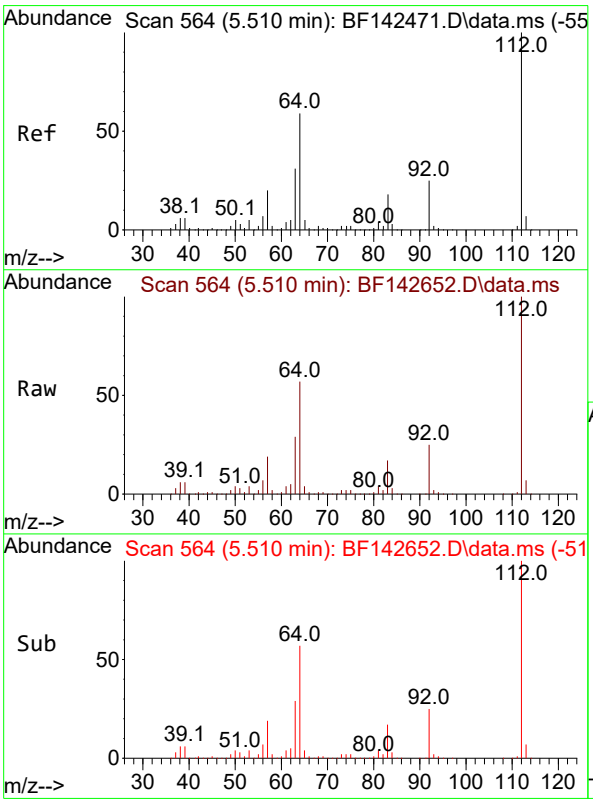
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:152 Resp: 127118

Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.2	192.4
115	56.5	48.3	72.5

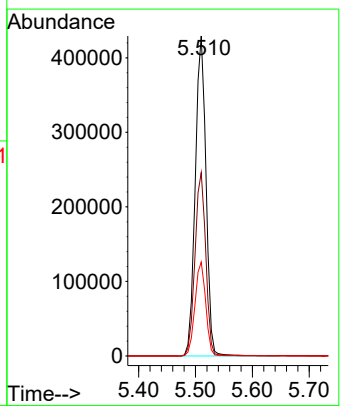


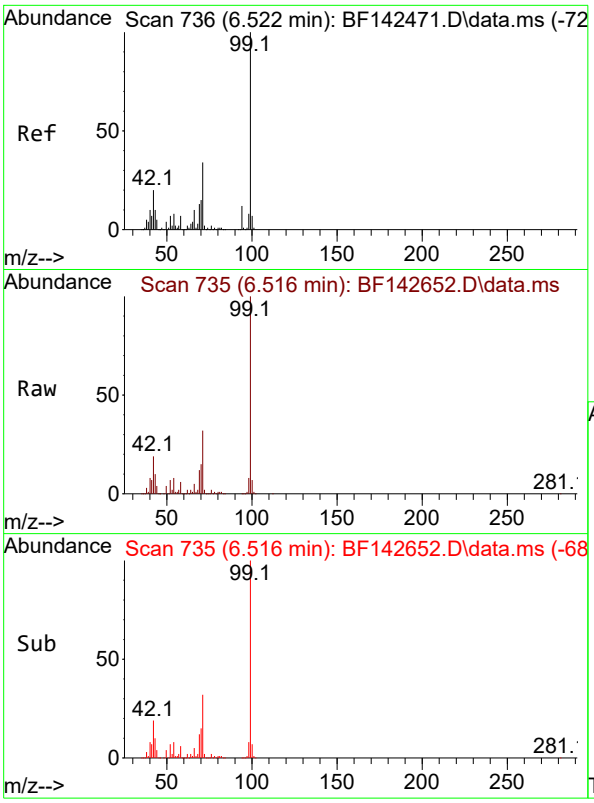


#5
2-Fluorophenol
Concen: 75.275 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:112 Resp: 567965

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.5	71.3
63	29.4	24.9	37.3



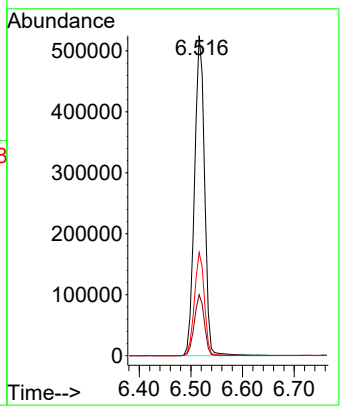


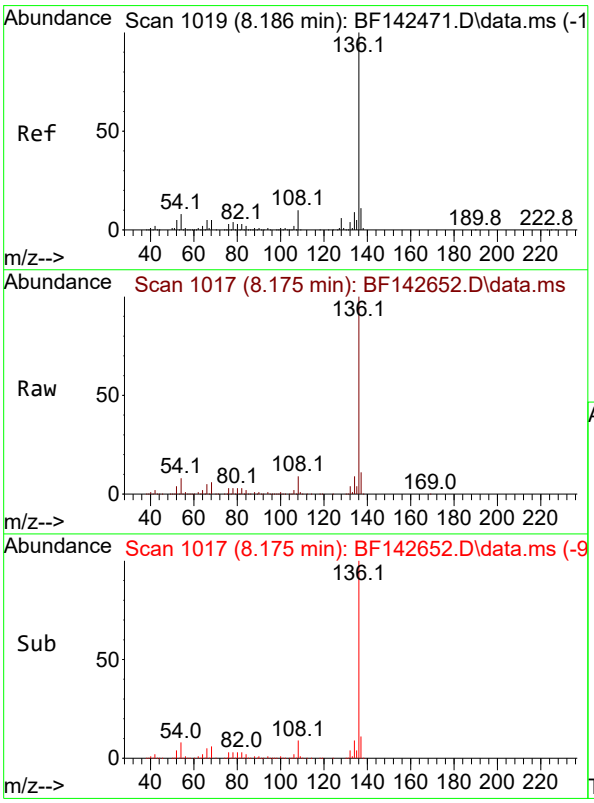
#7
Phenol-d6
Concen: 78.141 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion: 99 Resp: 709724

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.2	24.2
71	32.2	27.3	40.9

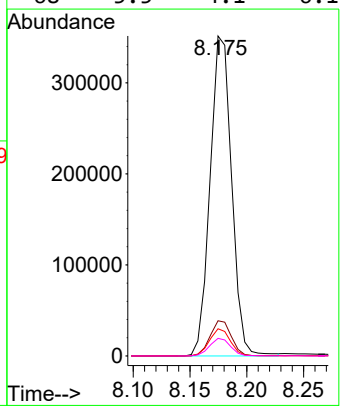


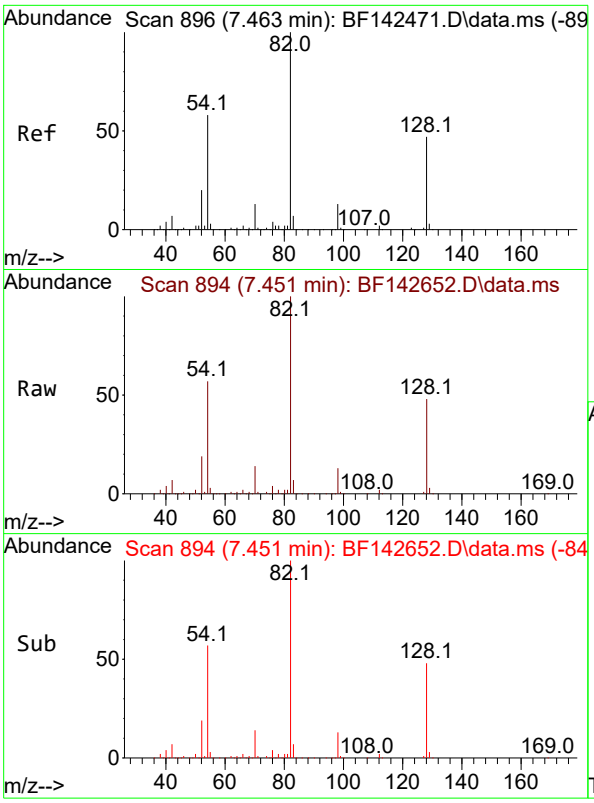


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:136 Resp: 464348

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.5	4.1	6.1



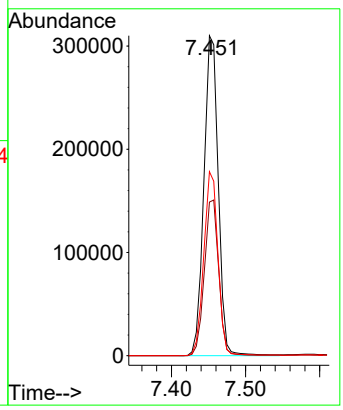


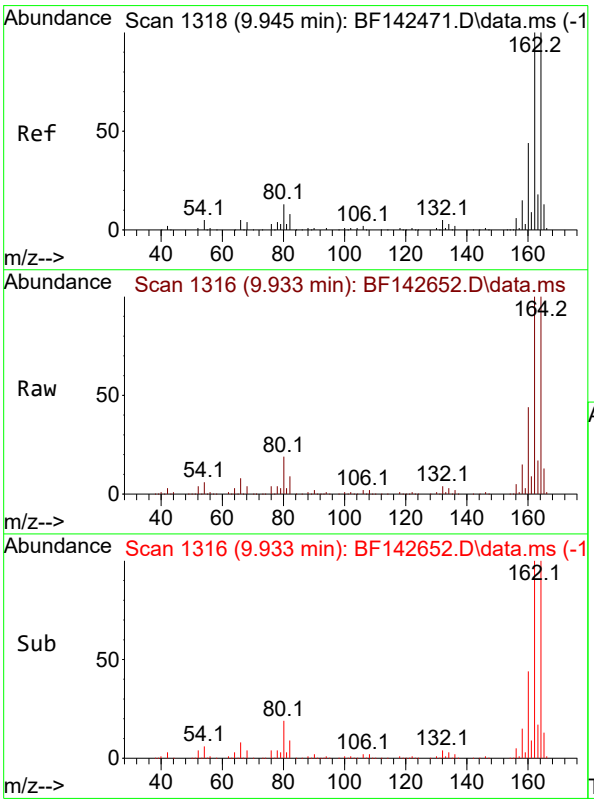
#23
Nitrobenzene-d5
Concen: 49.114 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion: 82 Resp: 418235

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.2
54	57.5	46.6	70.0

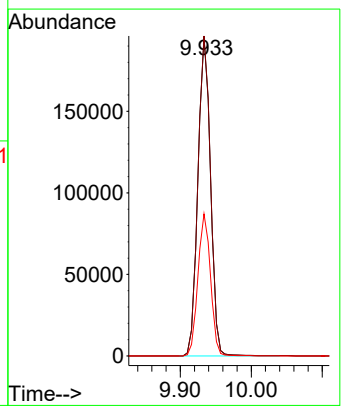


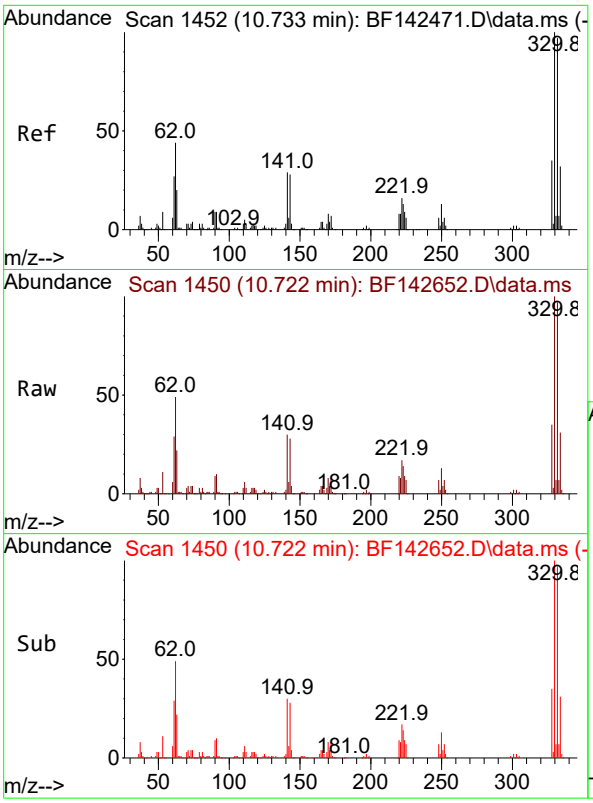


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:164 Resp: 242206

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.6	35.6	53.4



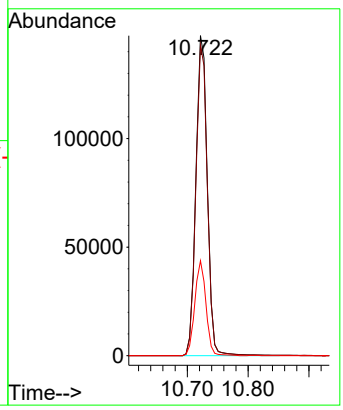


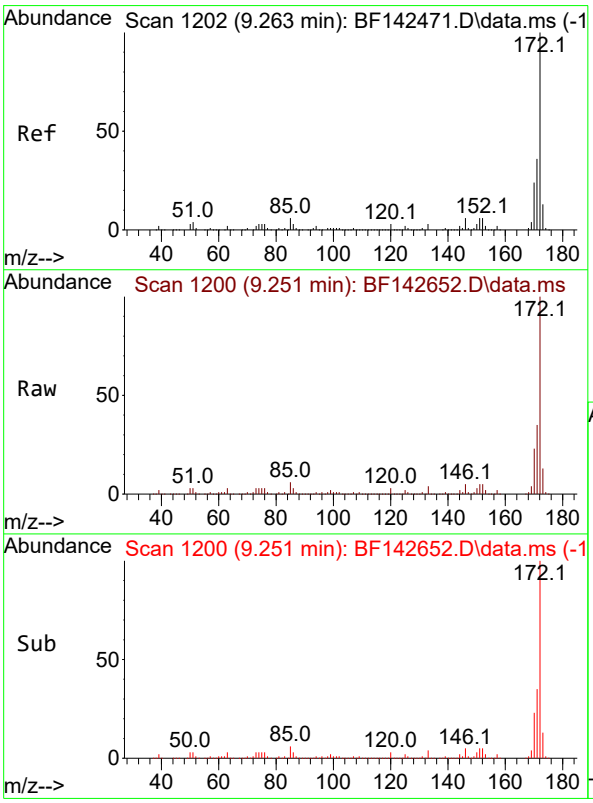
#42
2,4,6-Tribromophenol
Concen: 71.706 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:330 Resp: 192758

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.6	116.4
141	28.8	24.6	36.8

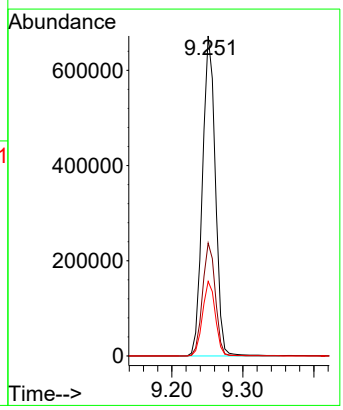


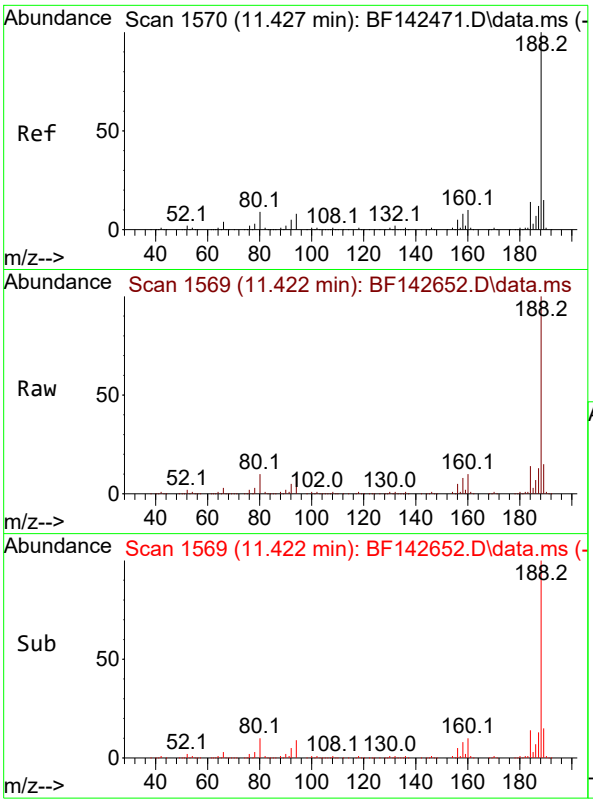


#45
2-Fluorobiphenyl
Concen: 47.173 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:172 Resp: 851469

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.3	18.9	28.3



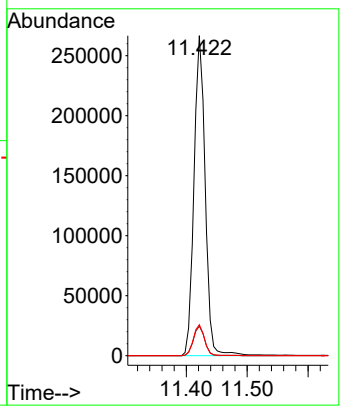


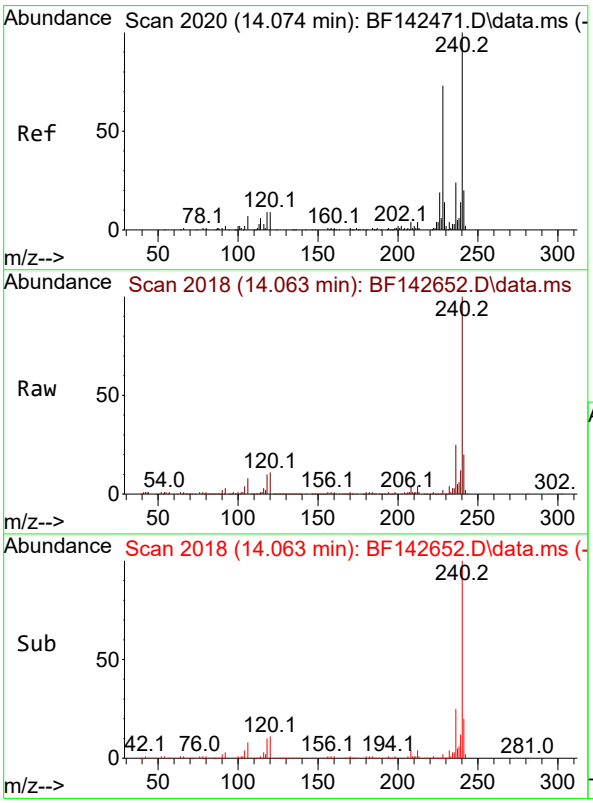
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:188 Resp: 341702

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.6	10.0
80	9.7	7.4	11.0

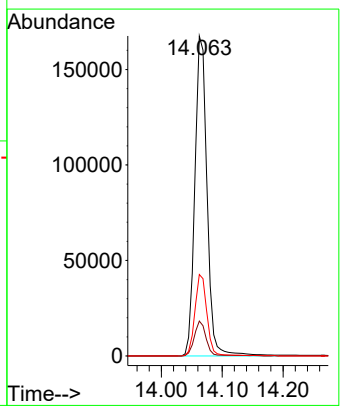


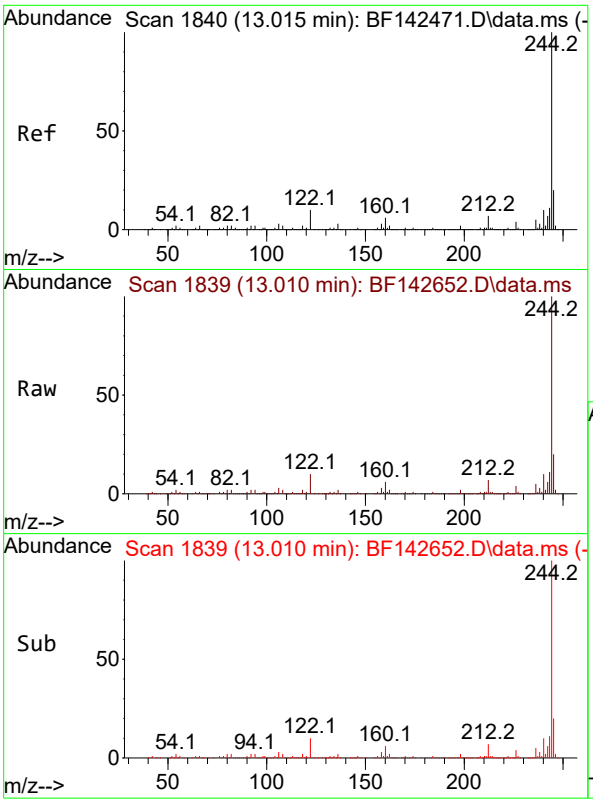


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:240 Resp: 233121

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	25.5	19.6	29.4



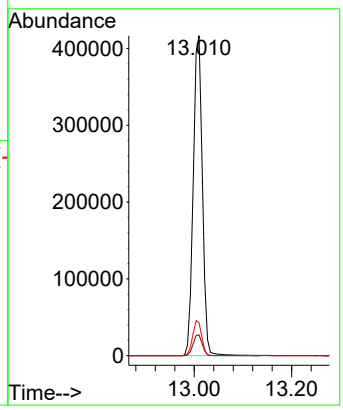


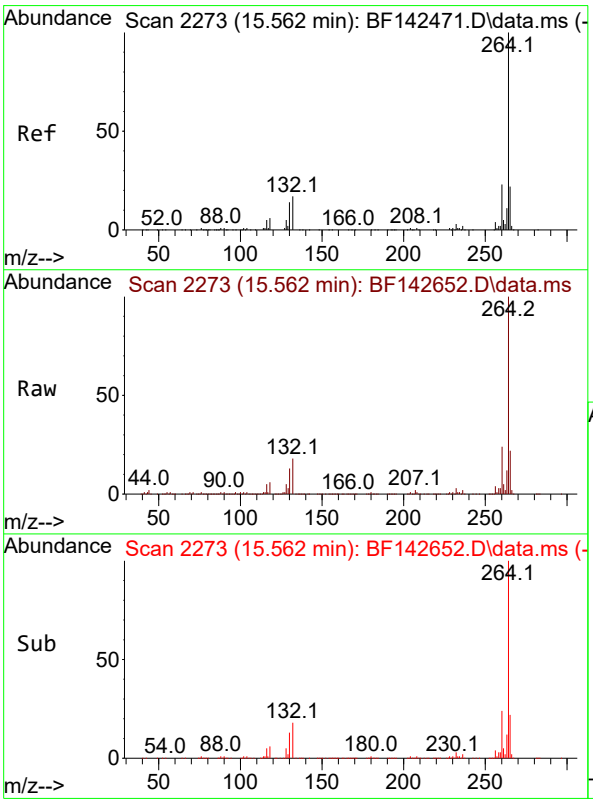
#79
Terphenyl-d14
Concen: 32.020 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:244 Resp: 546241

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.3	8.2	12.2

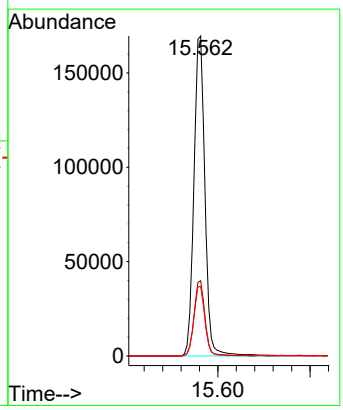




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:264 Resp: 281873

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.7	17.7	26.5



Sample Results: **BF142652.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-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_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142652.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.516	46	55	64	rVB2	11970	27127	1.15%	0.121%
2	5.104	484	495	506	rBV	155212	225793	9.55%	1.009%
3	5.510	558	564	569	rBV	1451376	1908627	80.73%	8.527%
4	6.516	729	735	745	rBV	1475421	1997053	84.47%	8.922%
5	6.892	794	799	804	rBV	583883	712185	30.12%	3.182%
6	6.969	806	812	817	rVB	321378	397406	16.81%	1.776%
7	7.451	888	894	905	rBV	949590	1291747	54.63%	5.771%
8	8.175	1005	1017	1024	rBV	693439	939176	39.72%	4.196%
9	8.763	1112	1117	1121	rBV	31837	39932	1.69%	0.178%
10	9.251	1195	1200	1209	rBV	1884905	2364331	100.00%	10.563%
11	9.328	1209	1213	1219	rVB	21121	28246	1.19%	0.126%
12	9.933	1311	1316	1329	rVB	808971	1002964	42.42%	4.481%
13	10.645	1432	1437	1445	rBV	260533	320857	13.57%	1.434%
14	10.722	1445	1450	1461	rBV	1083998	1385821	58.61%	6.192%
15	11.422	1564	1569	1577	rBV	647965	840440	35.55%	3.755%
16	11.945	1652	1658	1666	rBV	97357	163227	6.90%	0.729%
17	12.174	1692	1697	1708	rVB	120372	167319	7.08%	0.748%
18	12.298	1711	1718	1722	rBV2	39572	67788	2.87%	0.303%
19	12.369	1725	1730	1735	rVV	1044997	1292354	54.66%	5.774%
20	12.639	1771	1776	1778	rBV	21455	26457	1.12%	0.118%
21	12.674	1778	1782	1787	rVV	424890	544074	23.01%	2.431%
22	12.733	1787	1792	1802	rVV2	18530	34092	1.44%	0.152%
23	12.868	1810	1815	1818	rBV	19316	26764	1.13%	0.120%
24	13.010	1833	1839	1847	rVB	1074751	1416258	59.90%	6.328%
25	13.145	1857	1862	1867	rBV	549856	680169	28.77%	3.039%
26	13.233	1870	1877	1881	rVB2	11839	25670	1.09%	0.115%
27	13.751	1959	1965	1967	rBV4	19520	38814	1.64%	0.173%
28	13.839	1975	1980	1986	rVB	62782	89310	3.78%	0.399%
29	13.904	1986	1991	1997	rBV	180871	312479	13.22%	1.396%
30	14.063	2010	2018	2025	rBV	452699	651181	27.54%	2.909%
31	14.239	2042	2048	2058	rVB4	36282	76781	3.25%	0.343%
32	14.345	2063	2066	2076	rVB2	23182	32674	1.38%	0.146%
33	14.545	2093	2100	2105	rBV3	316705	623758	26.38%	2.787%
34	14.598	2105	2109	2116	rVB2	102583	169452	7.17%	0.757%
35	14.751	2131	2135	2146	rBV3	23478	50012	2.12%	0.223%
36	14.868	2147	2155	2161	rBV2	43818	92851	3.93%	0.415%

Sample Results: **BF142652.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-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_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.992	2172	2176	2184	rVB	24588	35875	1.52%	0.160%
38	15.192	2205	2210	2212	rBV	52651	86813	3.67%	0.388%
39	15.221	2212	2215	2221	rVB	115287	182739	7.73%	0.816%
40	15.562	2266	2273	2281	rBV	445083	748294	31.65%	3.343%
41	15.792	2307	2312	2319	rBV	24987	49399	2.09%	0.221%
42	16.033	2348	2353	2358	rVV	45714	76140	3.22%	0.340%
43	16.092	2358	2363	2369	rVV2	32785	75154	3.18%	0.336%
44	16.156	2371	2374	2380	rVB3	24332	38762	1.64%	0.173%
45	16.239	2384	2388	2392	rBV3	21884	36911	1.56%	0.165%
46	16.856	2490	2493	2502	rVB8	16816	30377	1.28%	0.136%
47	17.403	2580	2586	2597	rVB2	79745	192328	8.13%	0.859%
48	17.674	2626	2632	2641	rBV6	45048	141854	6.00%	0.634%
49	17.762	2642	2647	2658	rVB7	36843	109288	4.62%	0.488%
50	18.021	2684	2691	2699	rBV4	43179	127702	5.40%	0.571%
51	18.274	2725	2734	2751	rVB2	124260	387620	16.39%	1.732%

Sum of corrected areas: 22382445

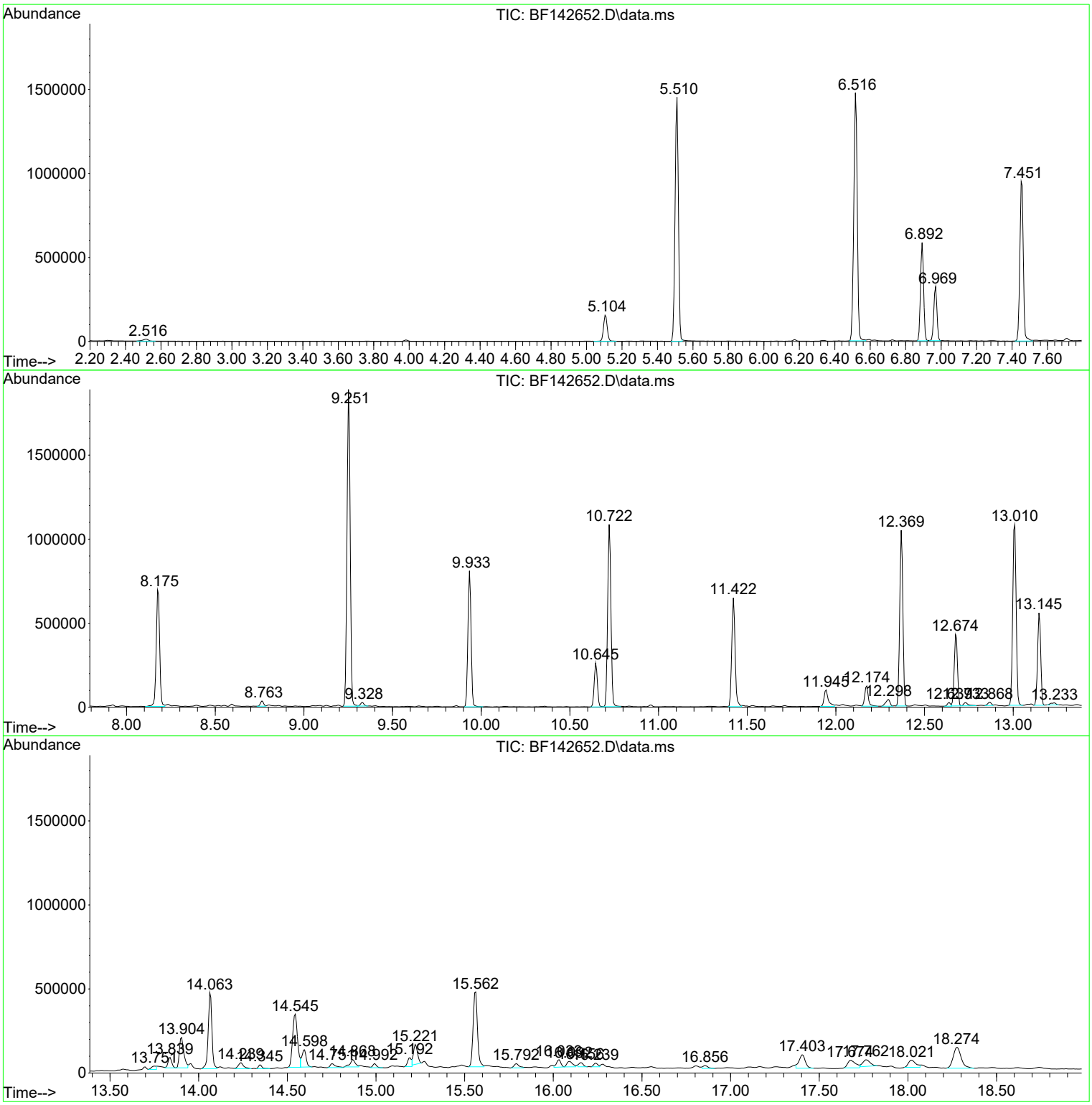
Sample Results: **BF142652.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

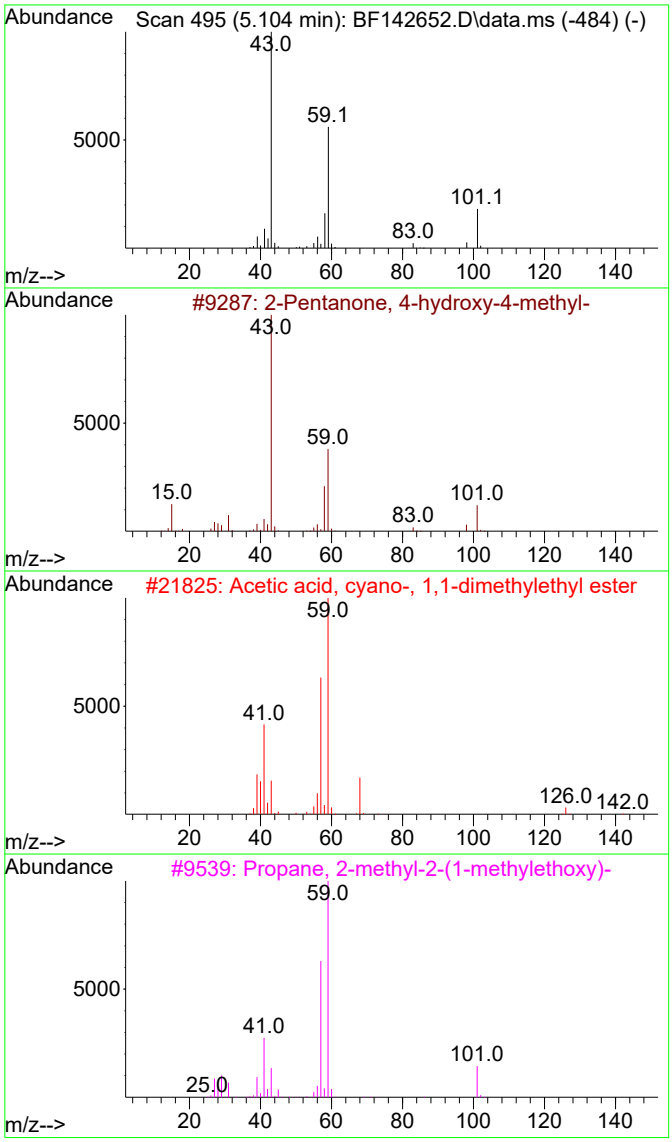
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

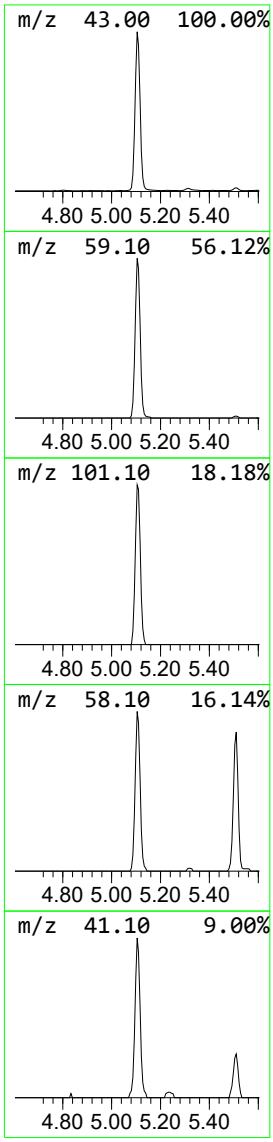
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	6.34 ng	225793	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

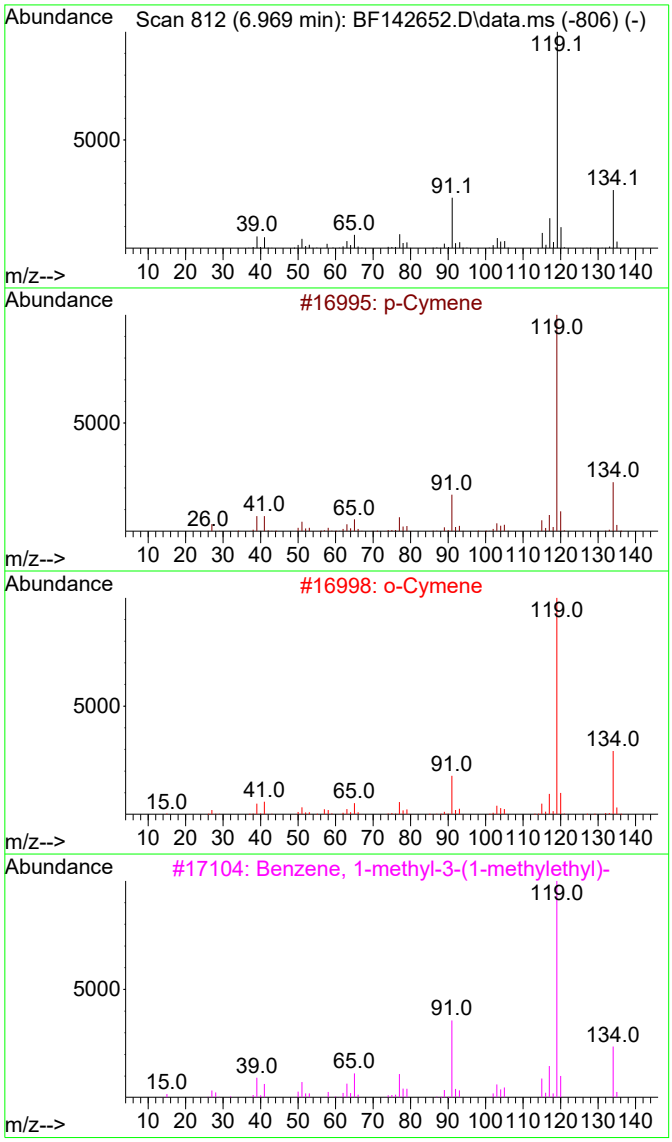
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

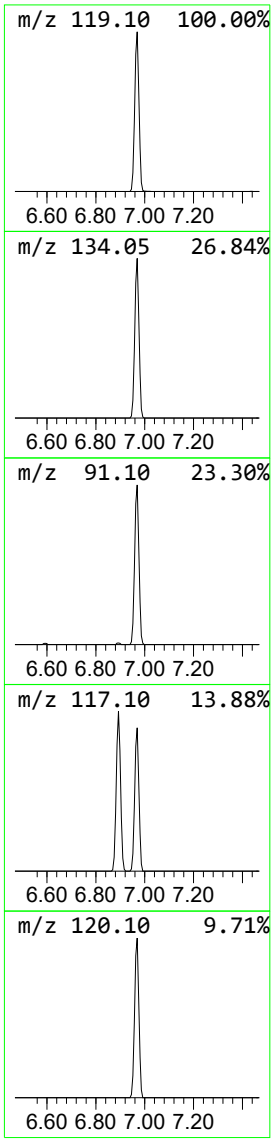
****

Peak Number 2 p-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.969	11.16 ng	397406	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

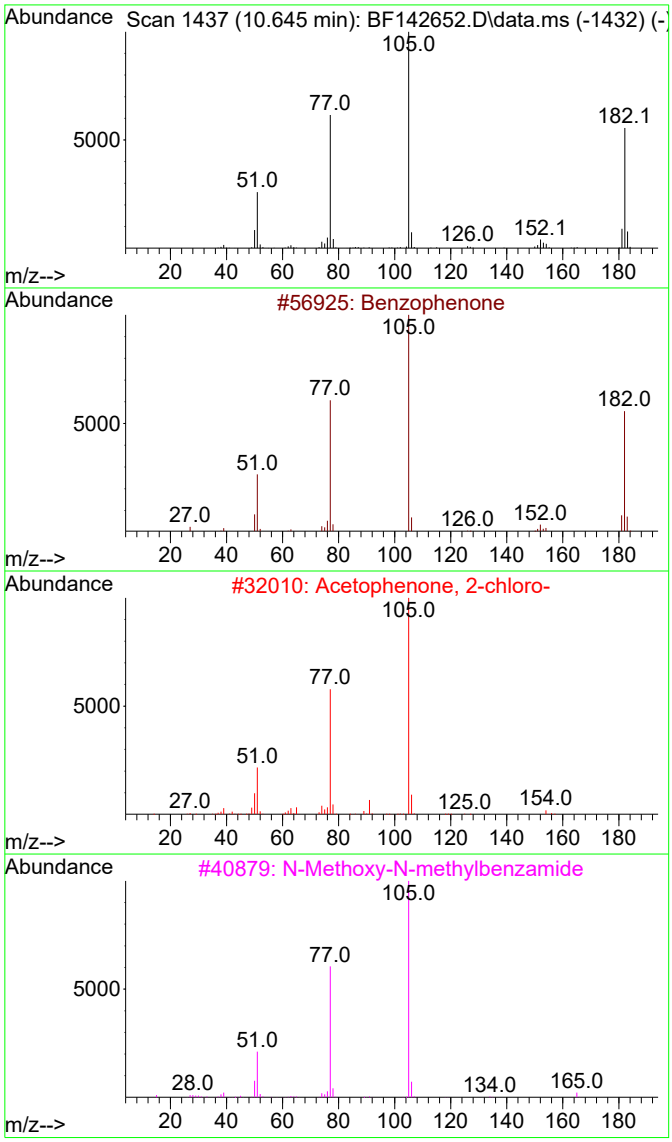
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

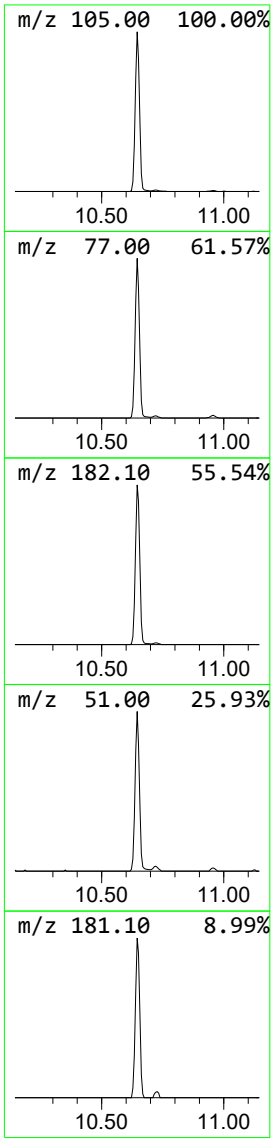
****

Peak Number 3 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	6.40 ng	320857	Acenaphthene-d10	9.933

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	47
4	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

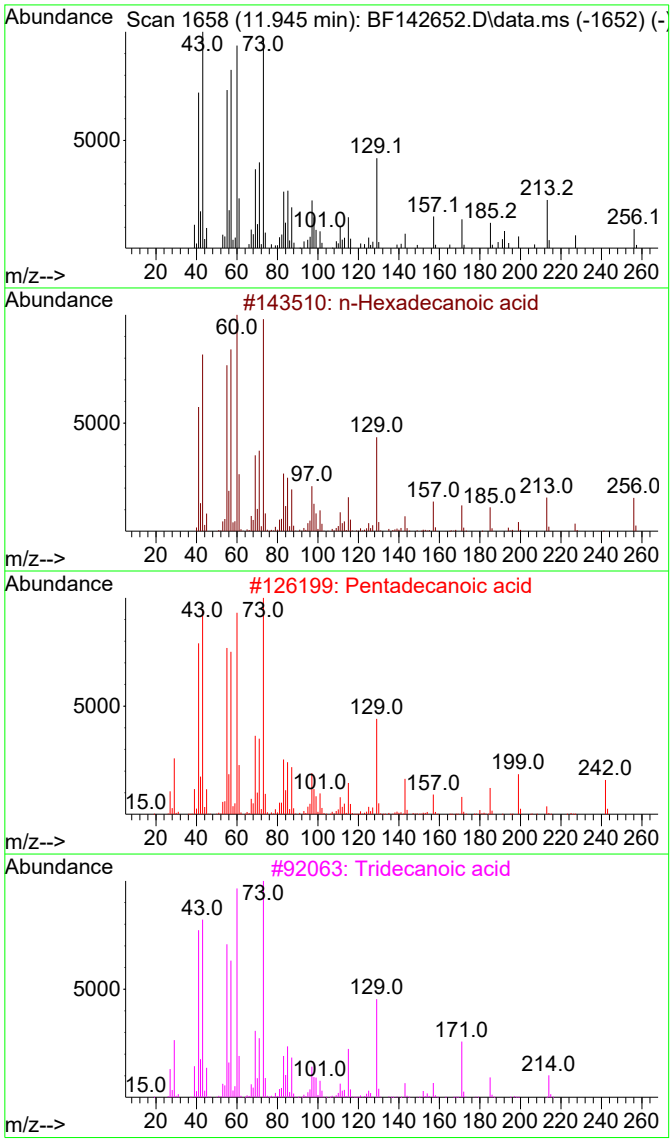
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

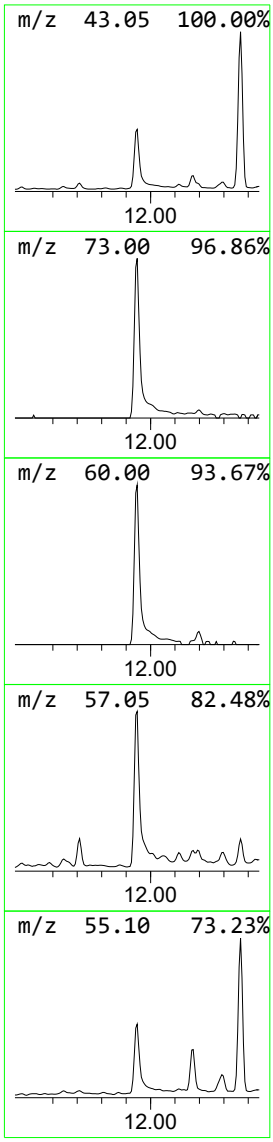
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.88 ng	163227	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

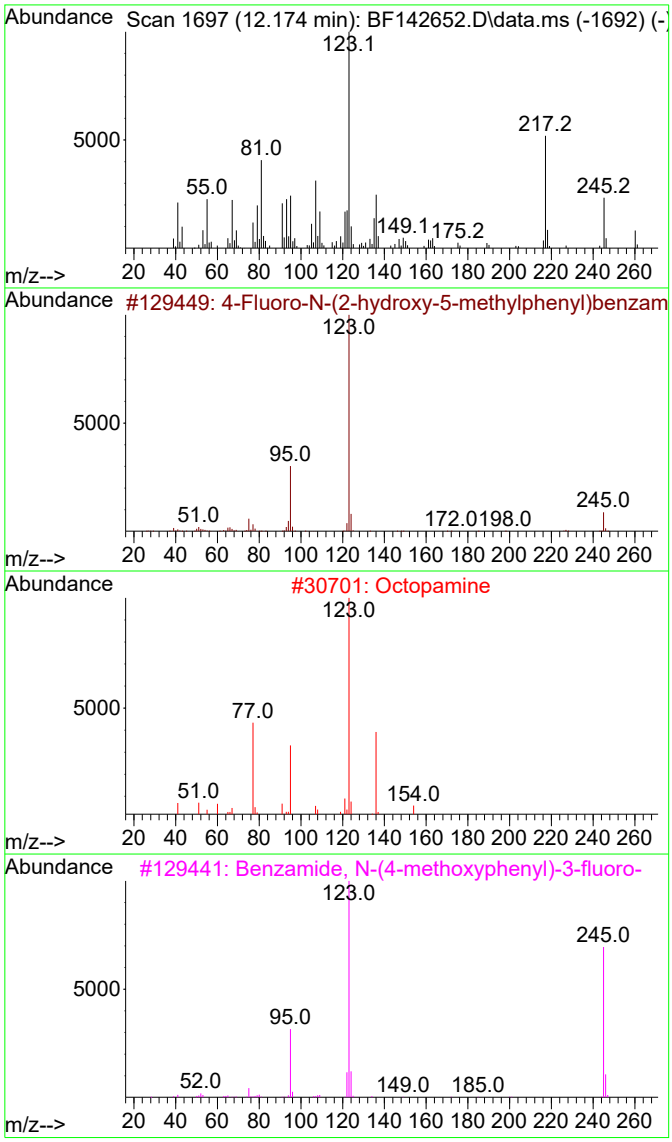
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

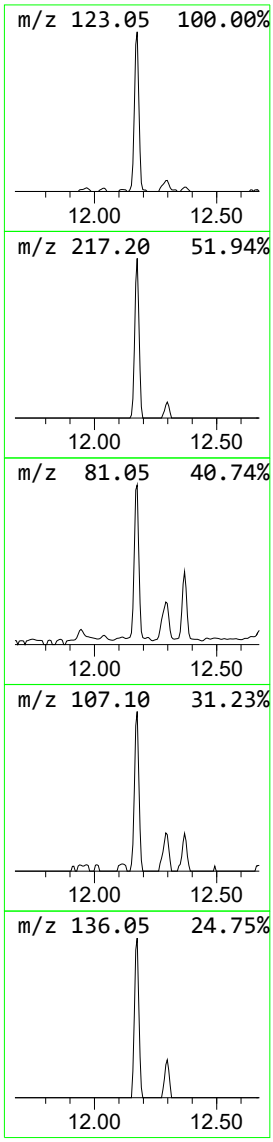
****

Peak Number 5 unknown12.174 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	3.98 ng	167319	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Fluoro-N-(2-hydroxy-5-methylph...	245	C14H12FNO2	402588-02-7	46
2	Octopamine	153	C8H11NO2	000104-14-3	43
3	Benzamide, N-(4-methoxyphenyl)-3...	245	C14H12FNO2	1000307-16-6	43
4	S-Bioallethrin	302	C19H26O3	028434-00-6	43
5	Cyclopropanecarboxylic acid, 2,2...	330	C21H30O3	004466-14-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

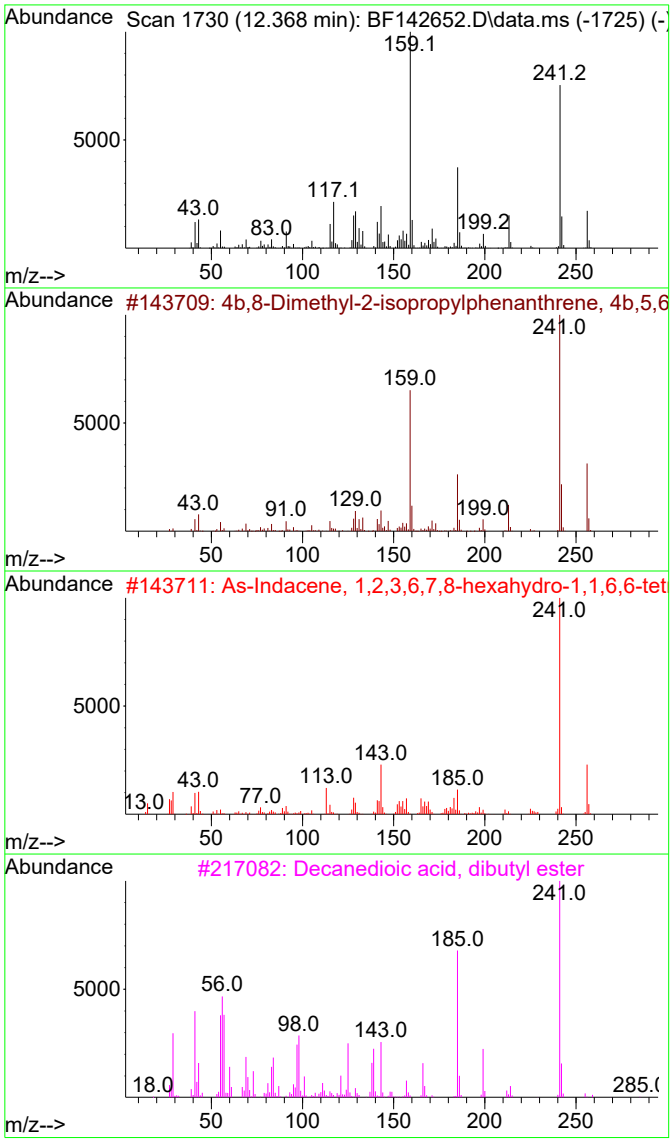
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

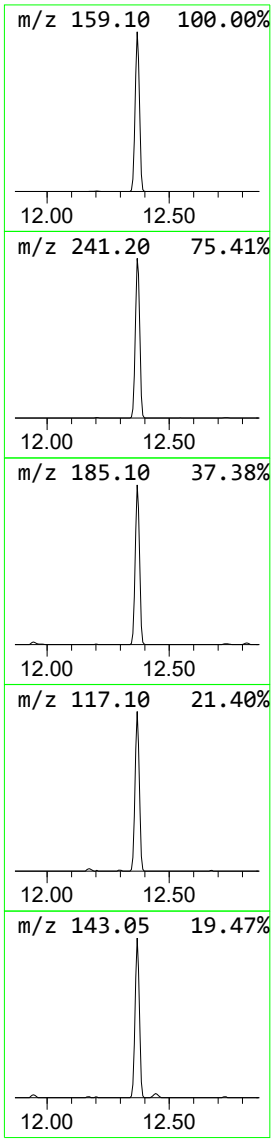
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	30.75 ng	1292350	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	38
3	Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	38
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1010212-95-2	35
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

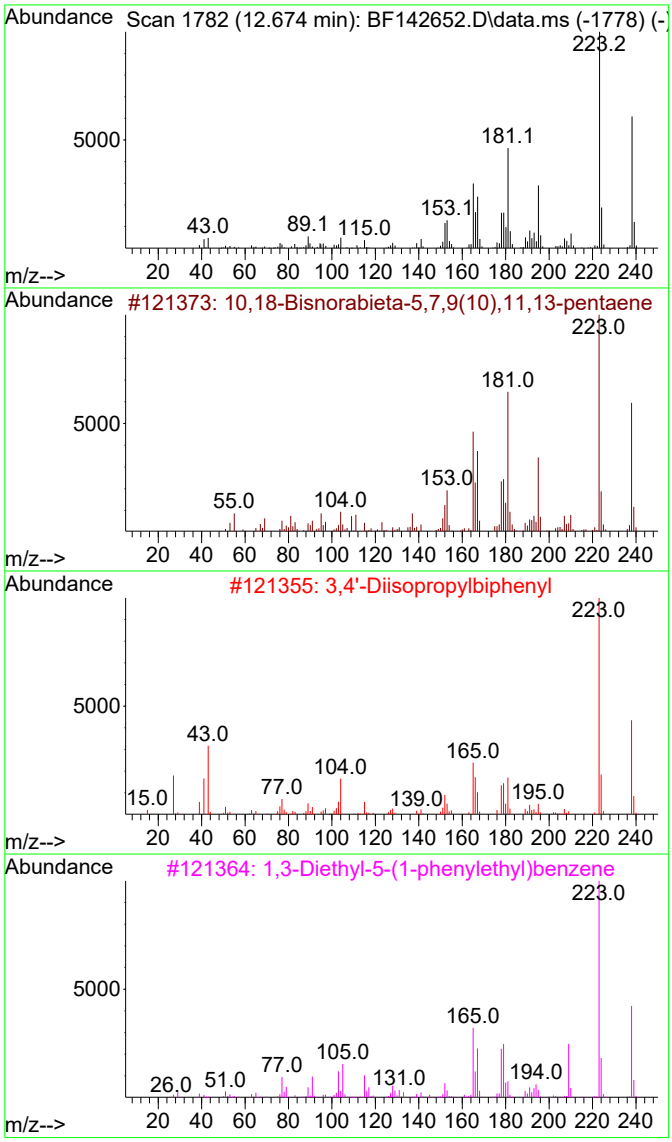
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

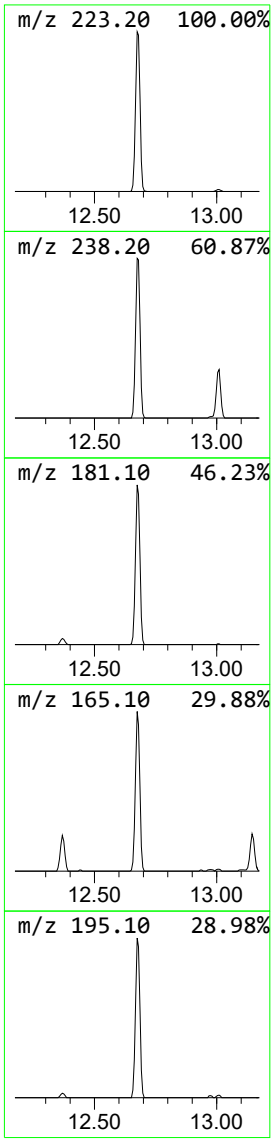
****

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.674	12.95 ng	544074	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	86
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	76
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	64
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

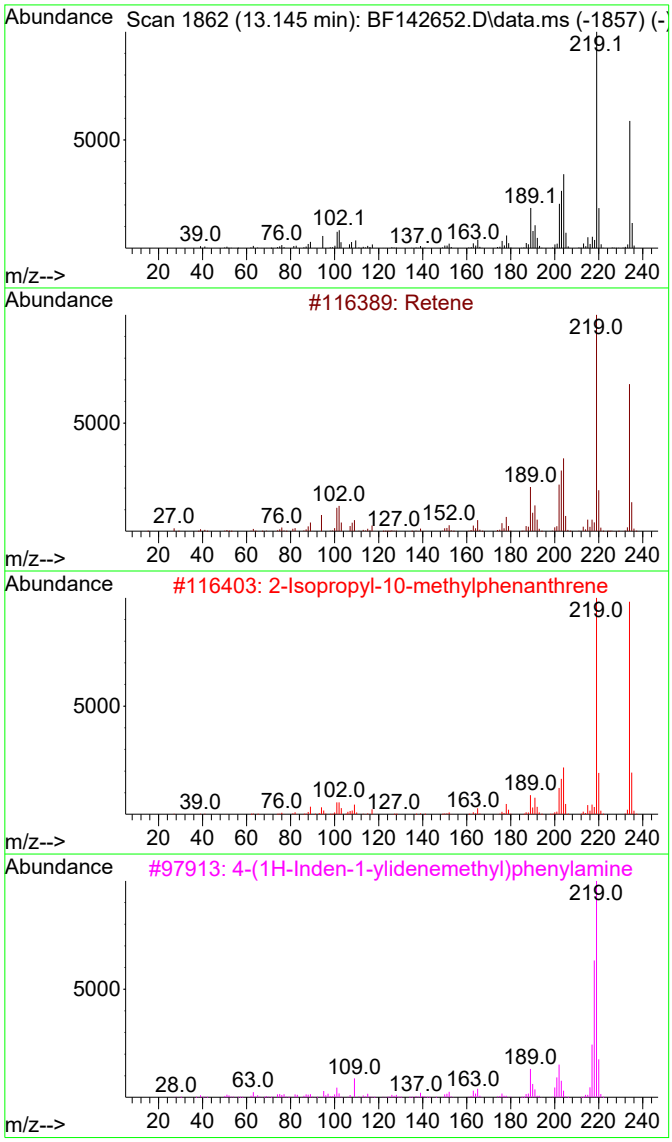
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

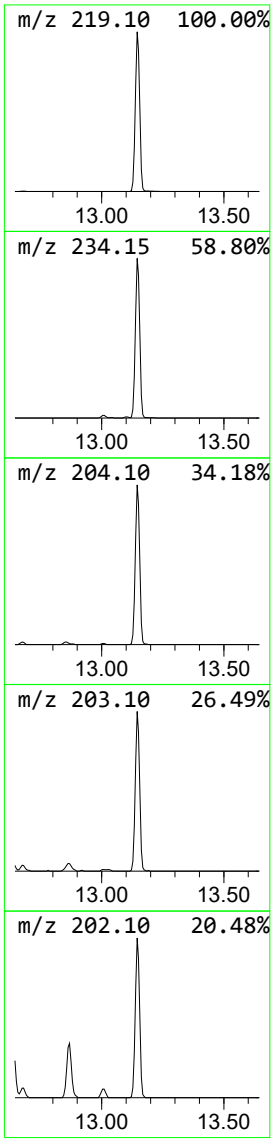
****

Peak Number 8 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	20.89 ng	680169	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	4-(1H-Inden-1-ylidenemethyl)phen...	219	C16H13N	000487-61-6	55
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52
5	1-Ethanone, 1-(4-amino-7-chloro-...	234	C12H11ClN2O	1010350-06-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

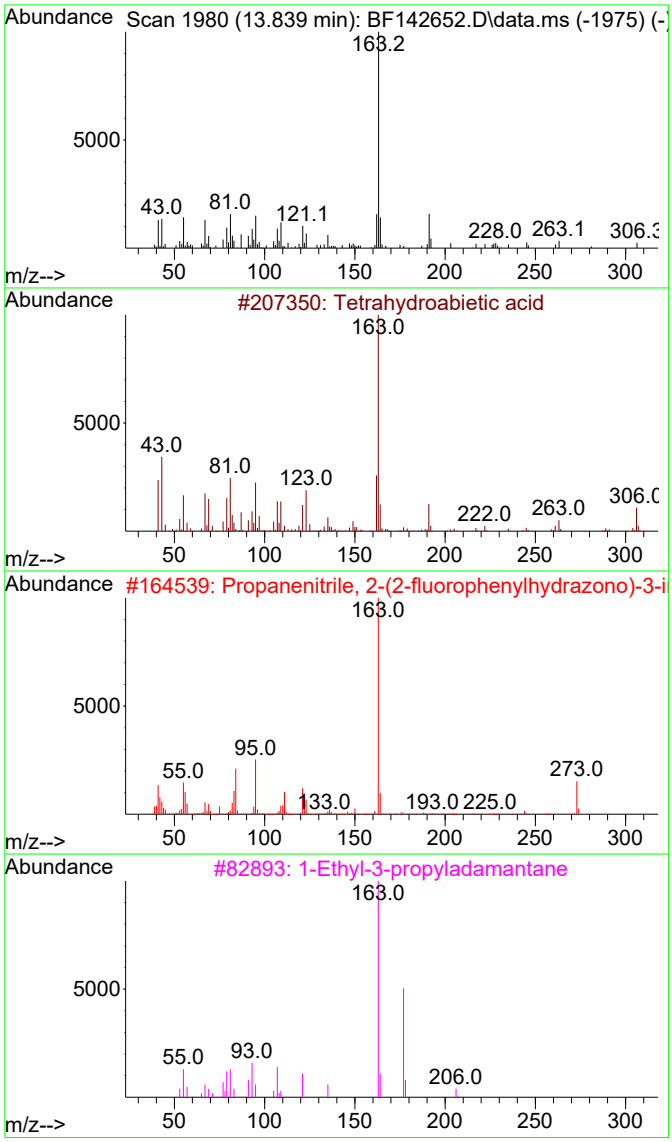
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

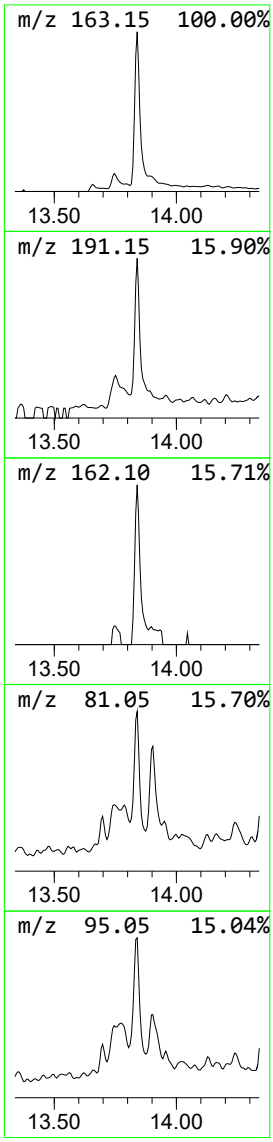
****

Peak Number 9 Tetrahydroabietic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	2.74 ng	89310	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydroabietic acid	306	C20H34O2	1000251-96-9	86
2	Propanenitrile, 2-(2-fluoropheny...	273	C14H16FN5	311323-02-1	53
3	1-Ethyl-3-propyladamantane	206	C15H26	019385-94-5	50
4	Phenol, 2,4-bis(1-methylethyl)-	178	C12H18O	002934-05-6	50
5	8-Fluoro-4-hydroxyquinoline	163	C9H6FNO	063010-71-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

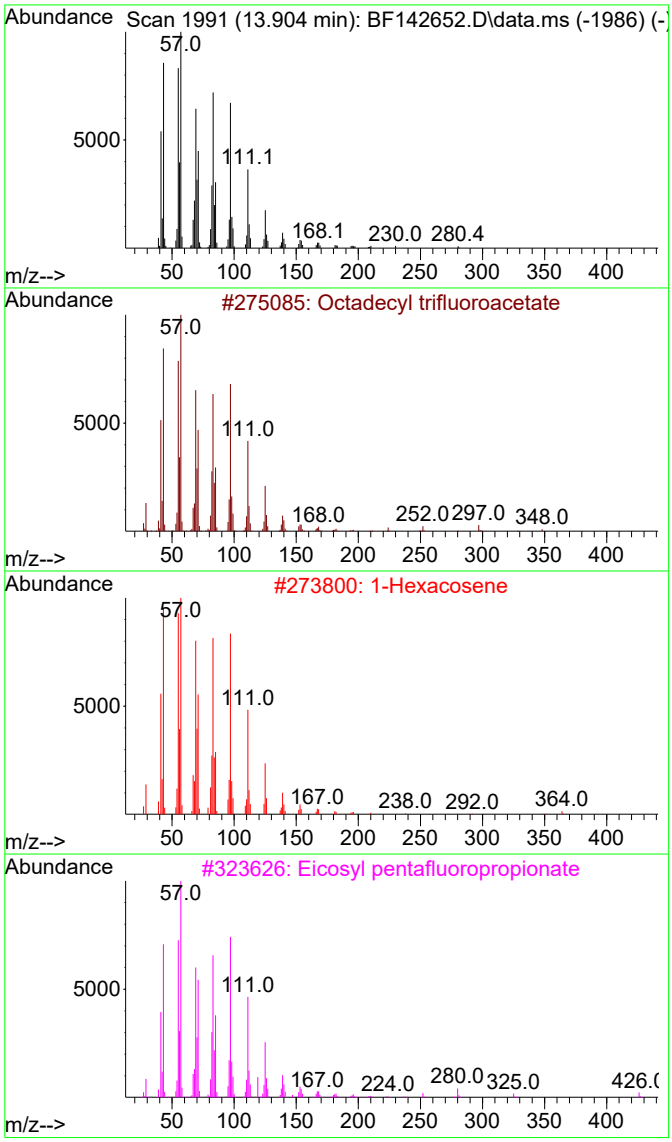
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

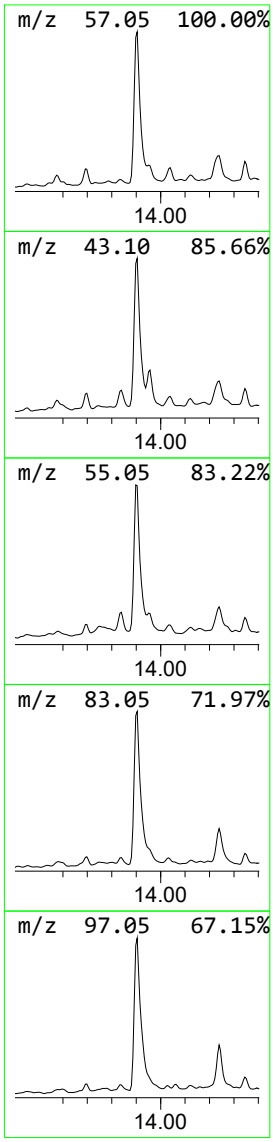
****

Peak Number 10 Octadecyl trifluoroacetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	9.60 ng	312479	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	95
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

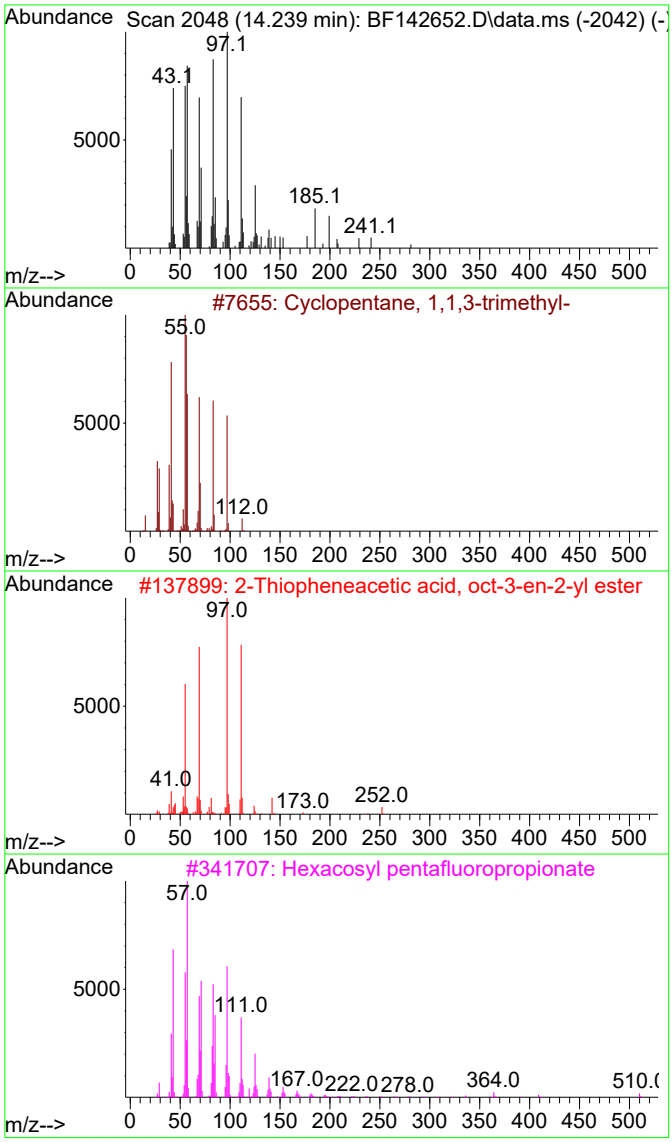
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

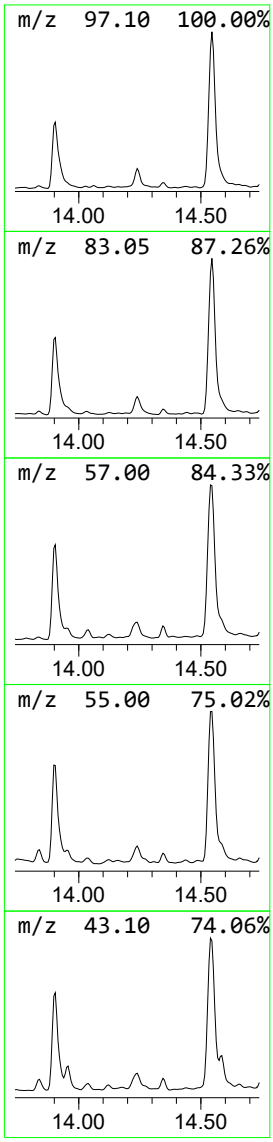
****

Peak Number 11 unknown14.239 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.239	2.36 ng	76781	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
2	2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	38
3	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	25
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	25
5	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

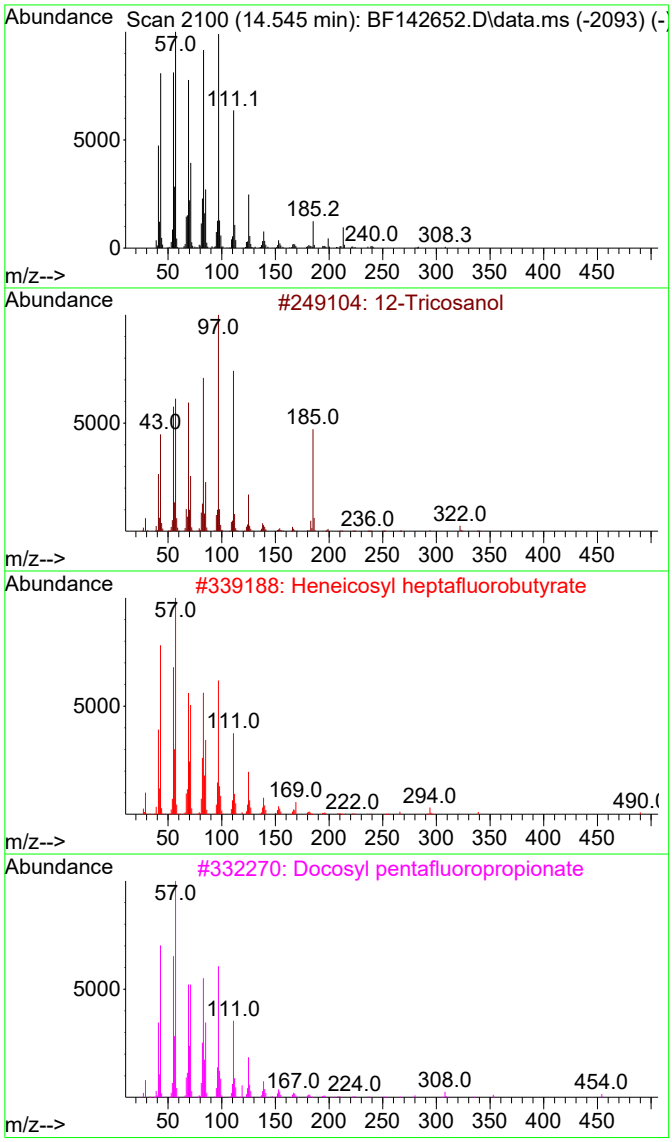
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

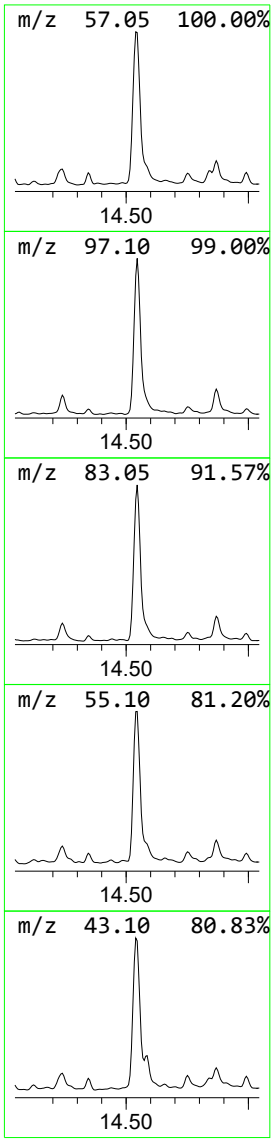
****

Peak Number 12 12-Tricosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.545	19.16 ng	623758	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Tricosanol	340	C23H48O	024897-74-3	58
2	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	46
3	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	46
4	Octacosanol	410	C28H58O	000557-61-9	46
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

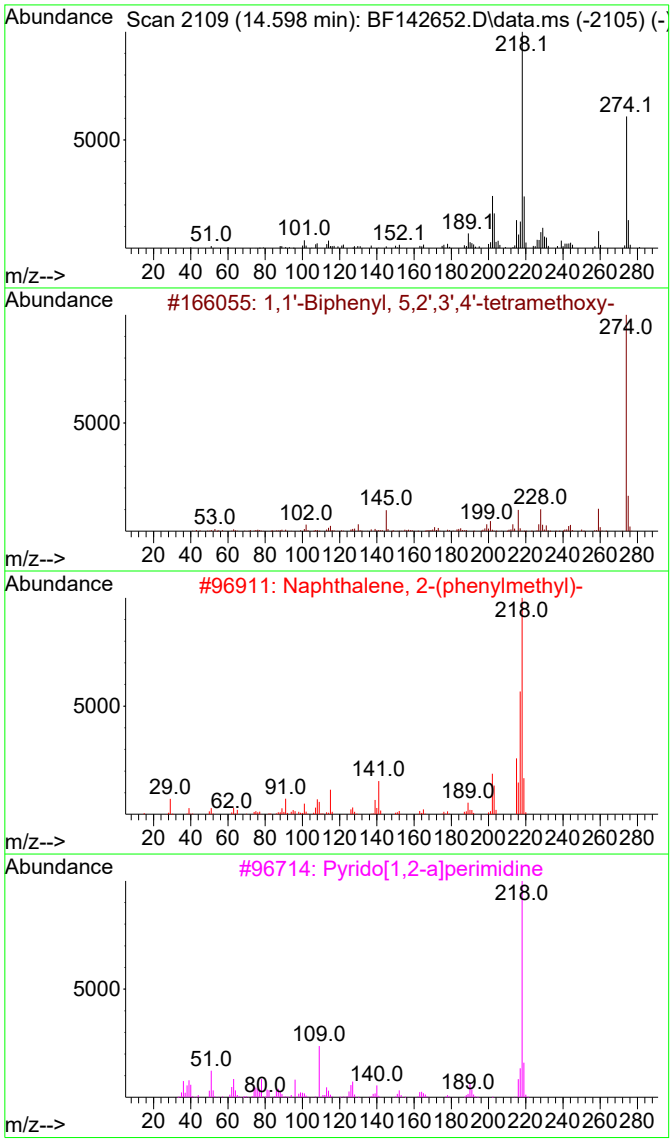
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

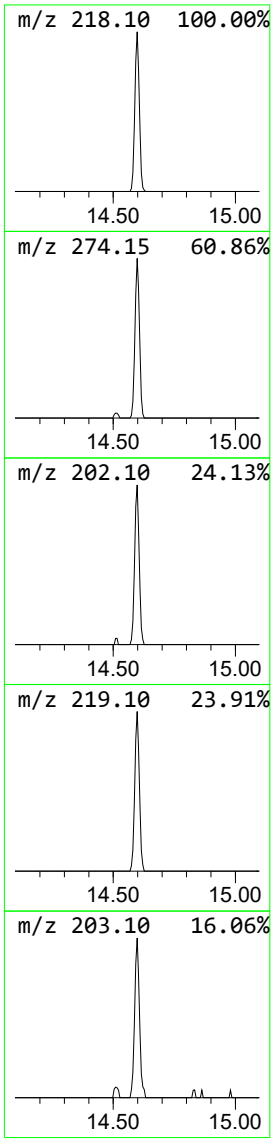
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 5,2',3',4'-t... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.598	5.20 ng	169452	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 5,2',3',4'-tetram...	274	C16H18O4	119101-30-3	53
2	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	49
3	Pyrido[1,2-a]perimidine	218	C15H10N2	000200-42-0	43
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	43
5	1-Hydroxypyrene	218	C16H10O	005315-79-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

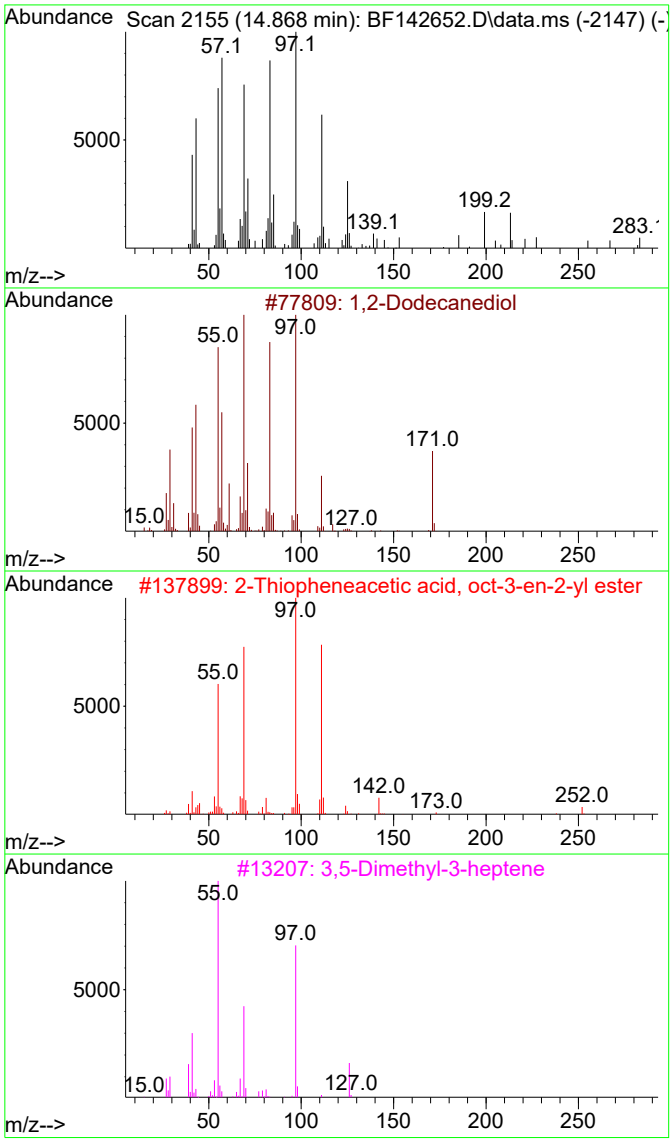
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

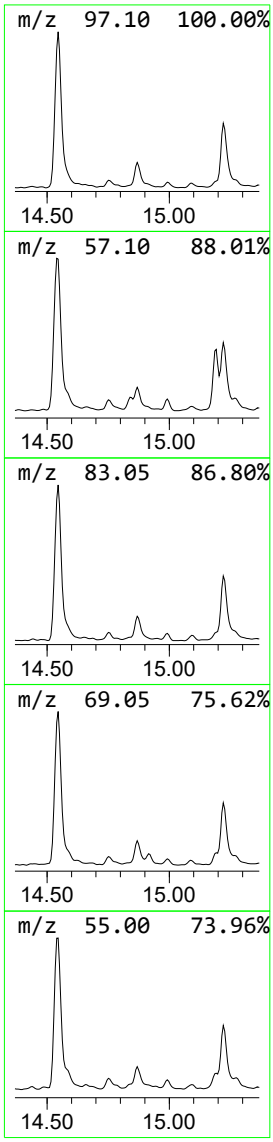
****

Peak Number 14 1,2-Dodecanediol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	2.48 ng	92851	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dodecanediol	202	C12H26O2	001119-87-5	64
2	2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	49
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	38
4	Heptacosyl acetate	438	C29H58O2	1000351-78-2	30
5	Octacosyl acetate	452	C30H60O2	018206-97-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

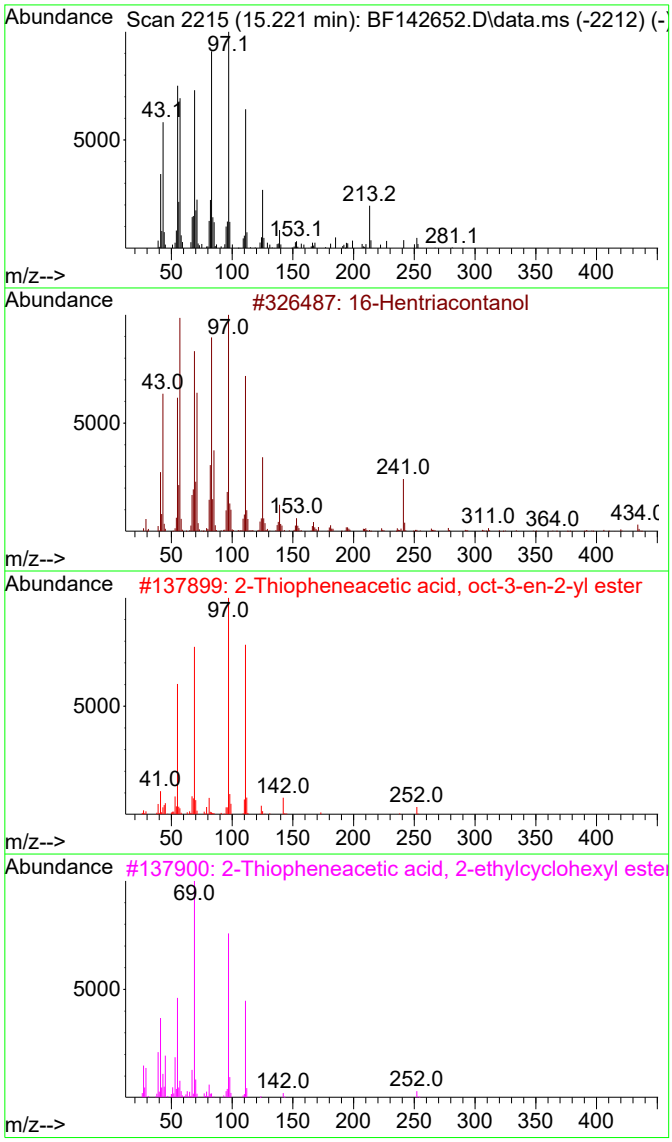
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

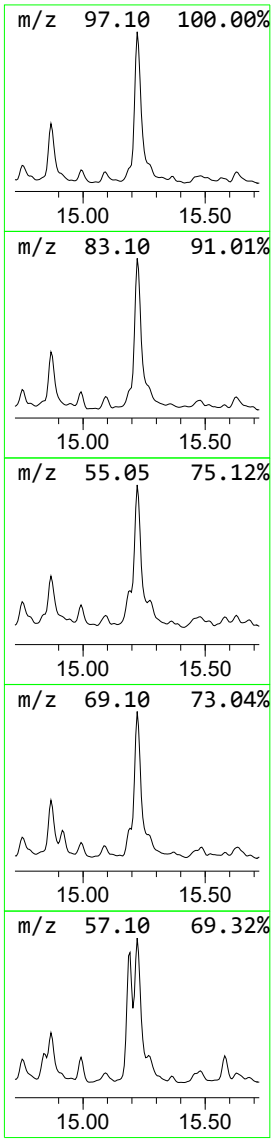
****

Peak Number 15 16-Hentriacontanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	4.88 ng	182739	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Hentriacontanol	452	C31H64O	001070-54-8	68
2	2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	50
3	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	43
4	Triallylsilane	152	C9H16Si	001116-62-7	38
5	Cyclohexanecarboxylic acid, 3-tr...	310	C20H38O2	1000280-59-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

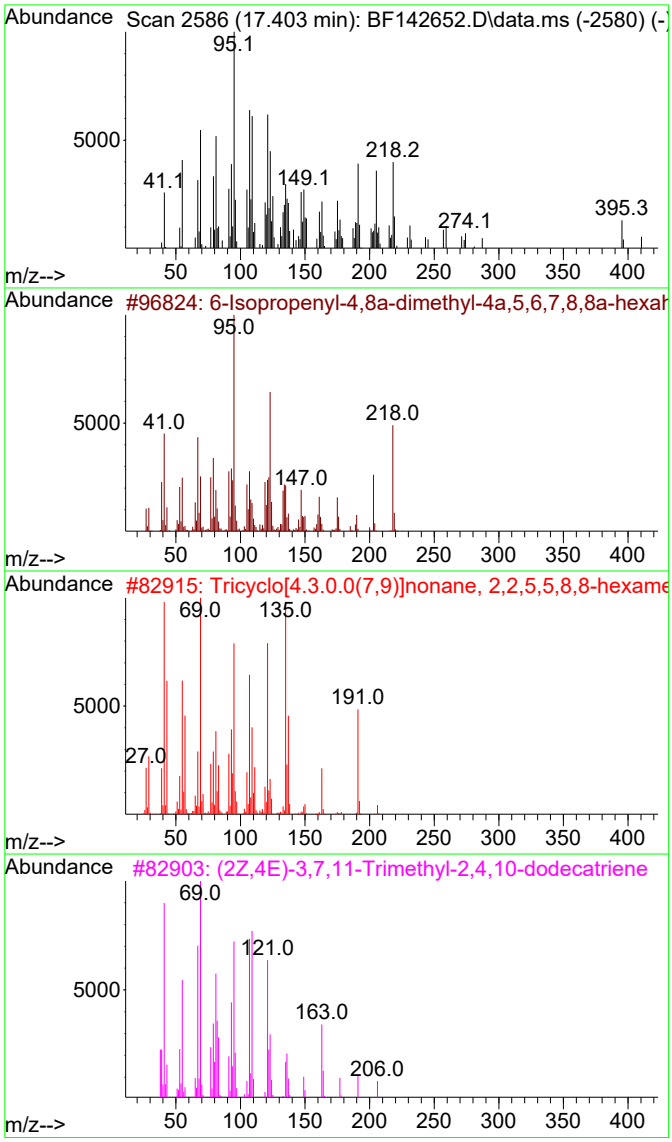
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

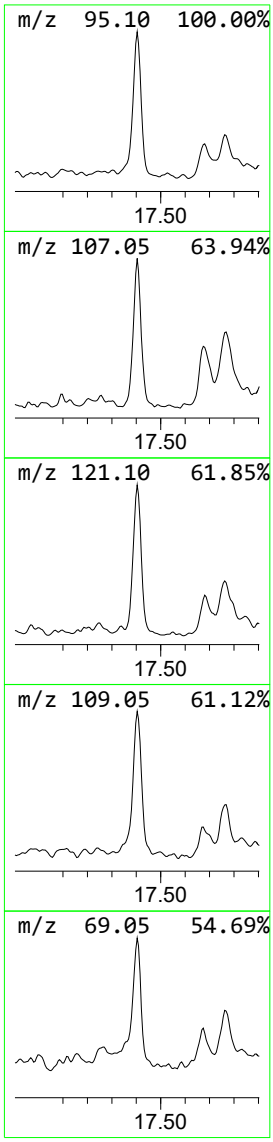
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 6-Isopropenyl-4,8a-dimethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.404	5.14 ng	192328	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	70
2	Tricyclo[4.3.0.0(7,9)]nonane, 2,...	206	C15H26	054832-82-5	43
3	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	38
4	6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	27
5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

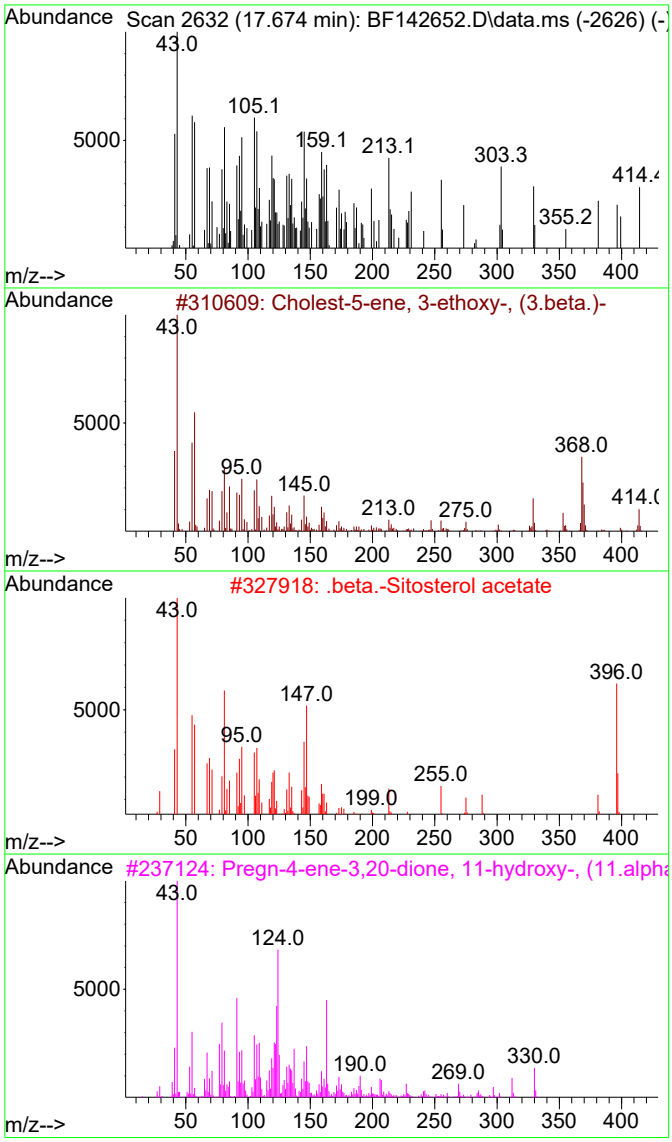
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

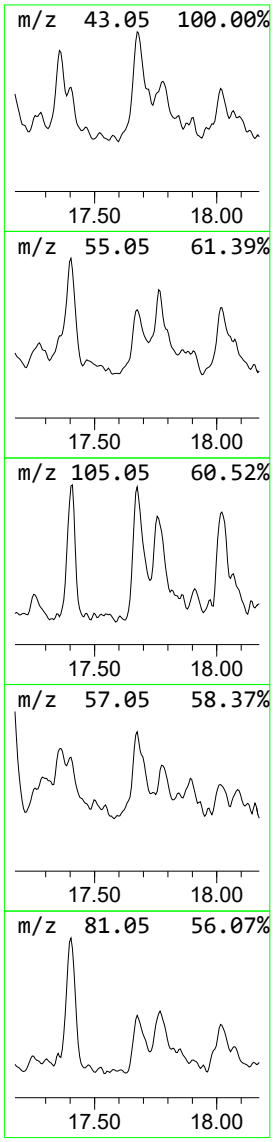
****

Peak Number 17 unknown17.674 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.674	3.79 ng	141854	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	25
2	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	12
3	Pregn-4-ene-3,20-dione, 11-hydro...	330	C21H30O3	000080-75-1	10
4	Norflurazon	303	C12H9ClF3N3O	027314-13-2	10
5	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

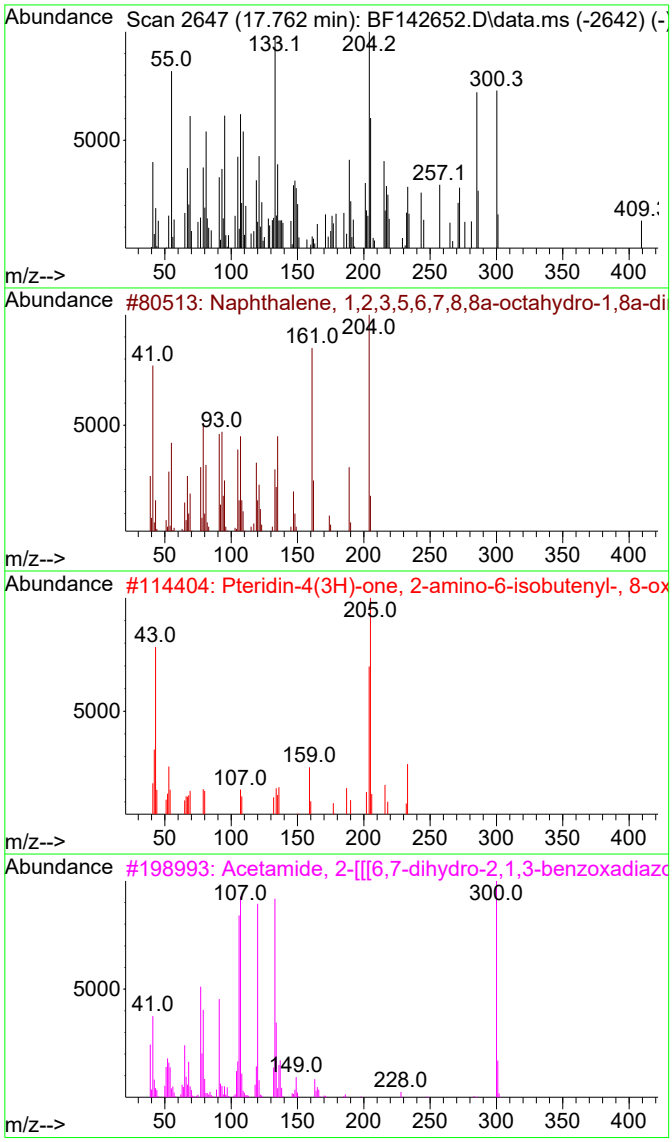
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

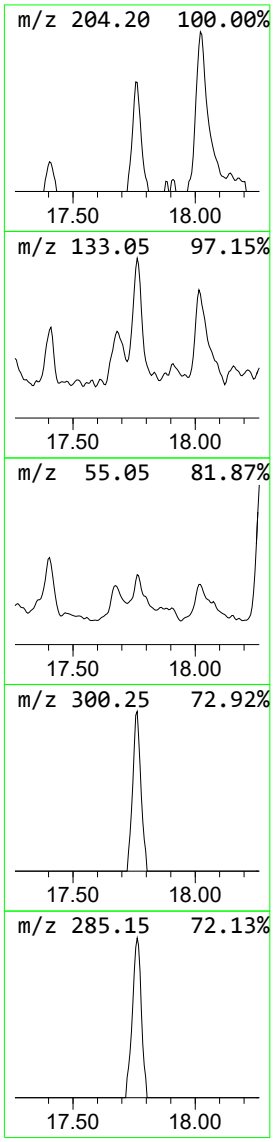
****

Peak Number 18 unknown17.762 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.762	2.92 ng	109288	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	25
2	Pteridin-4(3H)-one, 2-amino-6-is...	233	C10H11N5O2	019994-57-1	25
3	Acetamide, 2-[[[6,7-dihydro-2,1,...	300	C15H16N4O3	1000319-88-7	15
4	3-epi-Cedrenal	218	C15H22O	1000465-27-6	15
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

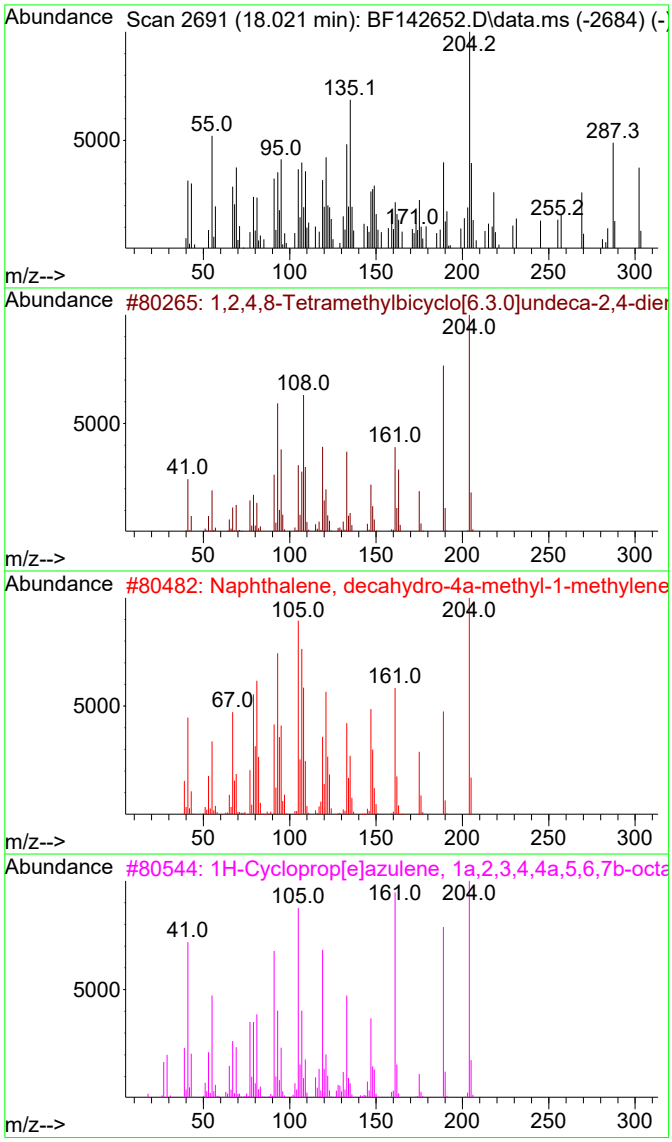
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

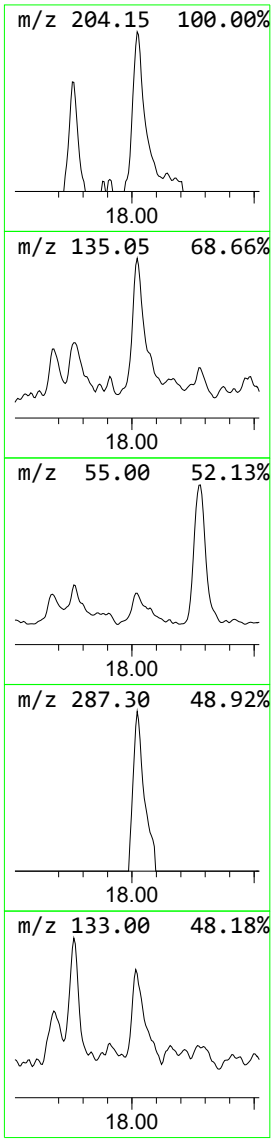
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.021	3.41 ng	127702	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	43
3	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	41
4	1-(4-Amino-2-methylphenyl)-2-pip...	204	C12H16N2O	443999-53-9	35
5	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

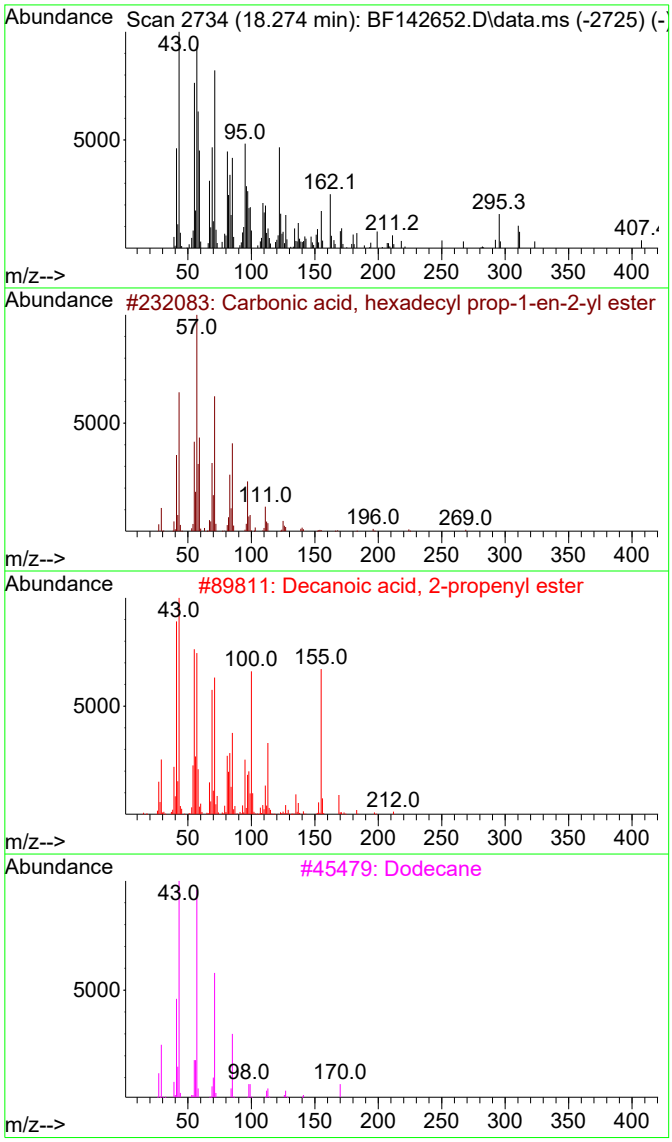
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

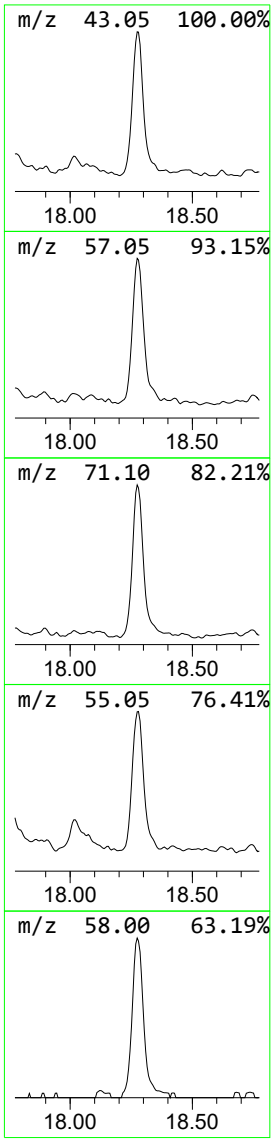
****

Peak Number 20 unknown18.274 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.274	10.36 ng	387620	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	49
2	Decanoic acid, 2-propenyl ester	212	C13H24O2	057856-81-2	45
3	Dodecane	170	C12H26	000112-40-3	42
4	Heneicosane	296	C21H44	000629-94-7	42
5	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	6.3	ng	225793	1	6.892	712185	20.0
p-Cymene	6.969	11.2	ng	397406	1	6.892	712185	20.0
Benzophenone	10.645	6.4	ng	320857	3	9.933	1002960	20.0
n-Hexadecanoic ...	11.945	3.9	ng	163227	4	11.422	840440	20.0
unknown12.174	12.174	4.0	ng	167319	4	11.422	840440	20.0
4b,8-Dimethyl-2...	12.368	30.8	ng	1292350	4	11.422	840440	20.0
10,18-Bisnorabi...	12.674	12.9	ng	544074	4	11.422	840440	20.0
Retene	13.145	20.9	ng	680169	5	14.063	651181	20.0
Tetrahydroabiet...	13.839	2.7	ng	89310	5	14.063	651181	20.0
Octadecyl trifl...	13.904	9.6	ng	312479	5	14.063	651181	20.0
unknown14.239	14.239	2.4	ng	76781	5	14.063	651181	20.0
12-Tricosanol	14.545	19.2	ng	623758	5	14.063	651181	20.0
1,1'-Biphenyl, ...	14.598	5.2	ng	169452	5	14.063	651181	20.0
1,2-Dodecanediol	14.868	2.5	ng	92851	6	15.562	748294	20.0
16-Hentriacontanol	15.221	4.9	ng	182739	6	15.562	748294	20.0
6-Isopropenyl-4...	17.404	5.1	ng	192328	6	15.562	748294	20.0
unknown17.674	17.674	3.8	ng	141854	6	15.562	748294	20.0
unknown17.762	17.762	2.9	ng	109288	6	15.562	748294	20.0
1,2,4,8-Tetrame...	18.021	3.4	ng	127702	6	15.562	748294	20.0
unknown18.274	18.274	10.4	ng	387620	6	15.562	748294	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 02:04:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	258806	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1052781	20.000	ng		0.00
39) Acenaphthene-d10	14.248	164	660296	20.000	ng		0.00
64) Phenanthrene-d10	17.054	188	1279796	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1406584	20.000	ng		0.00
86) Perylene-d12	24.766	264	1730554	20.000	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	1661528	107.162	ng		0.00
7) Phenol-d6	6.814	99	2195717	107.033	ng		0.00
23) Nitrobenzene-d5	8.761	82	1311010	60.512	ng		0.00
42) 2,4,6-Tribromophenol	15.778	330	1028434	112.656	ng		0.00
45) 2-Fluorobiphenyl	12.860	172	2824048	57.616	ng		0.00
79) Terphenyl-d14	19.783	244	4388776	55.921	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	17.101	178	412561	5.833	ng		99
75) Fluoranthene	19.189	202	521508	6.362	ng		98
78) Pyrene	19.566	202	507574	5.776	ng		98
81) Benzo(a)anthracene	21.466	228	212605	2.363	ng		95
83) Chrysene	21.536	228	208166m	2.442	ng		
88) Benzo(b)fluoranthene	23.724	252	251939	2.544	ng	#	83
90) Benzo(a)pyrene	24.601	252	216412	2.237	ng	#	87

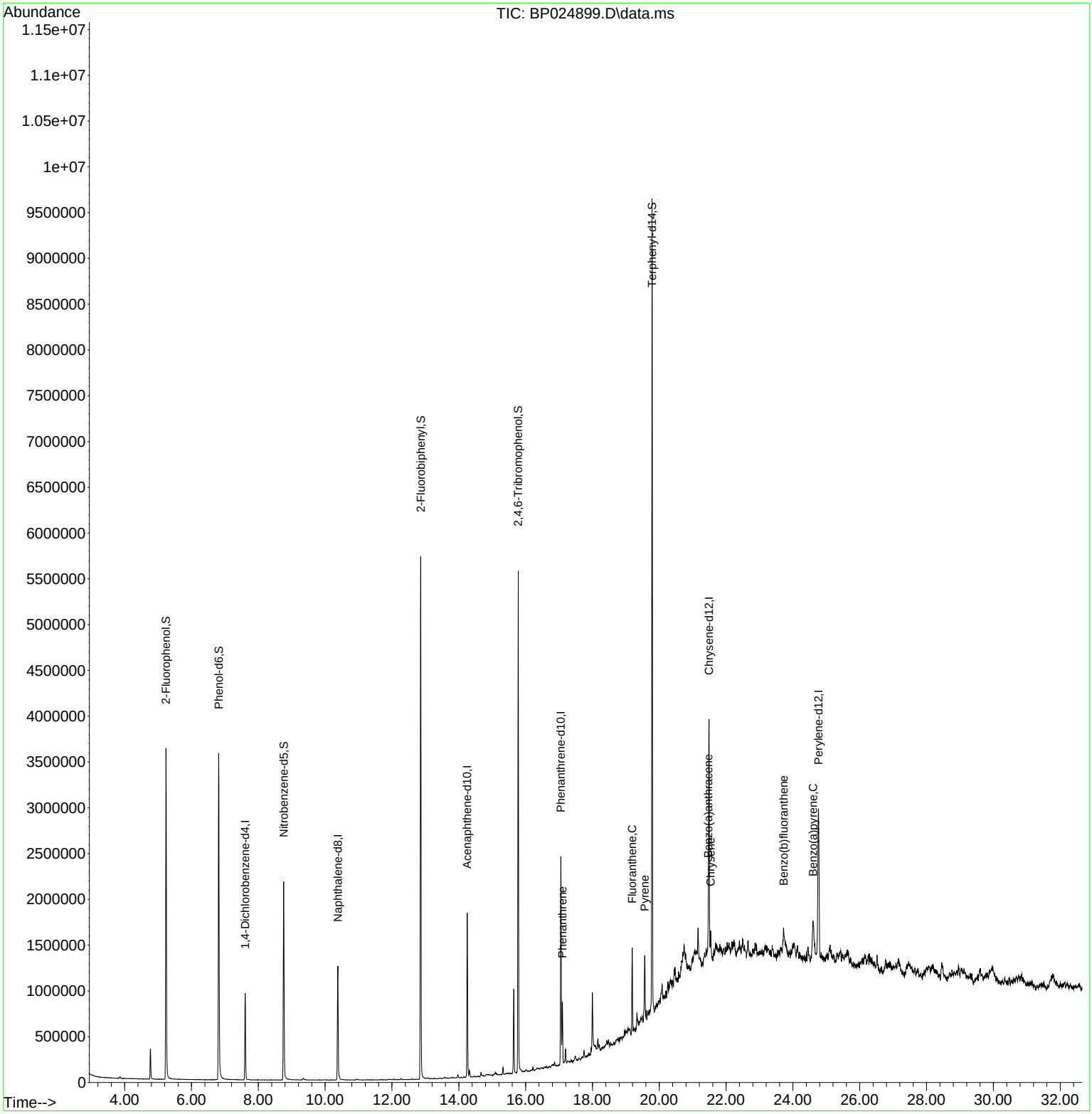
(#) = qualifier out of range (m) = manual integration (+) = signals summed

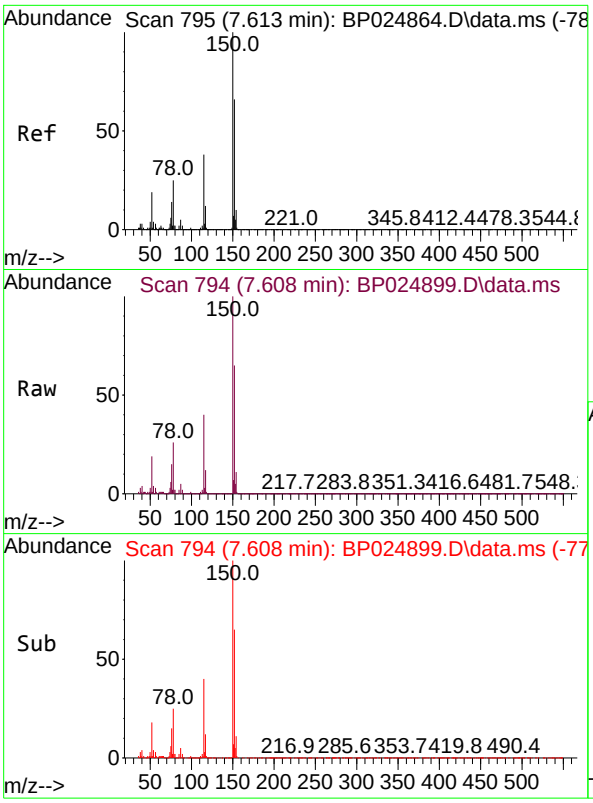
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 02:04:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

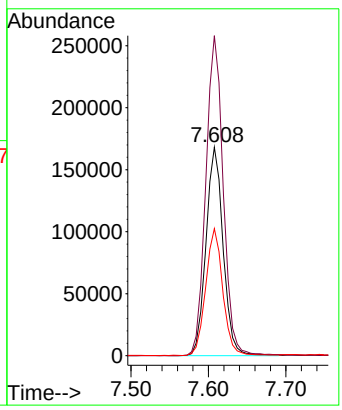




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

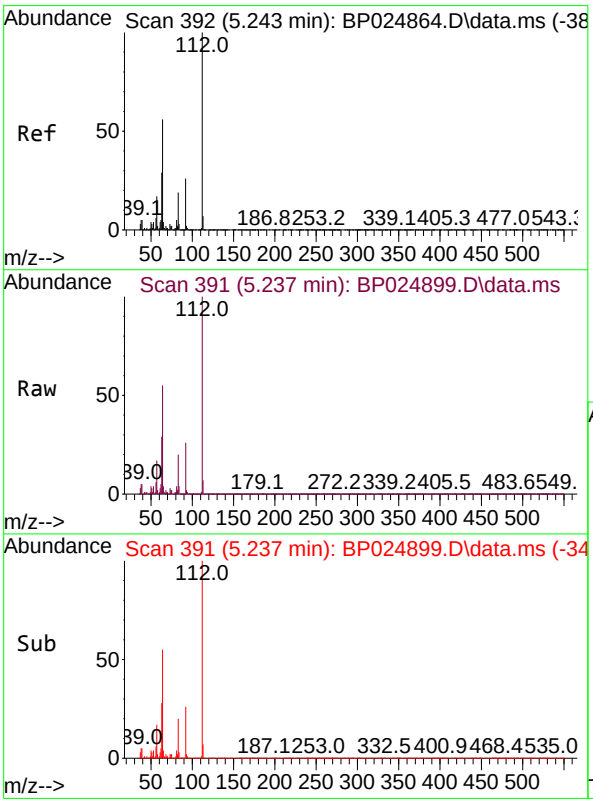
Tgt Ion:152 Resp: 25880

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.1	183.1
115	61.0	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

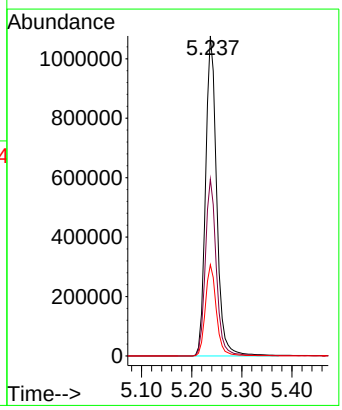
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

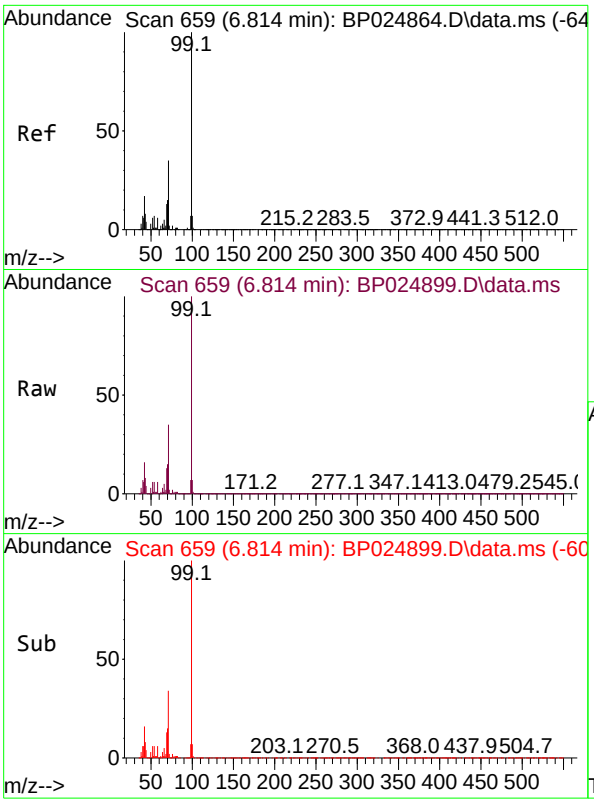


#5
2-Fluorophenol
Concen: 107.162 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:112 Resp: 1661528

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	28.5	23.5	35.3

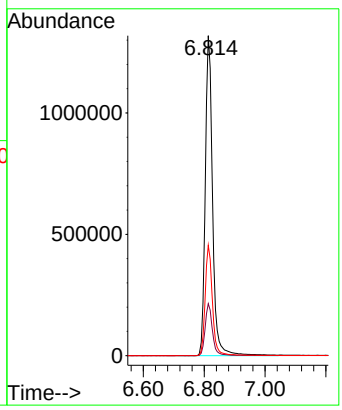




#7
Phenol-d6
Concen: 107.033 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

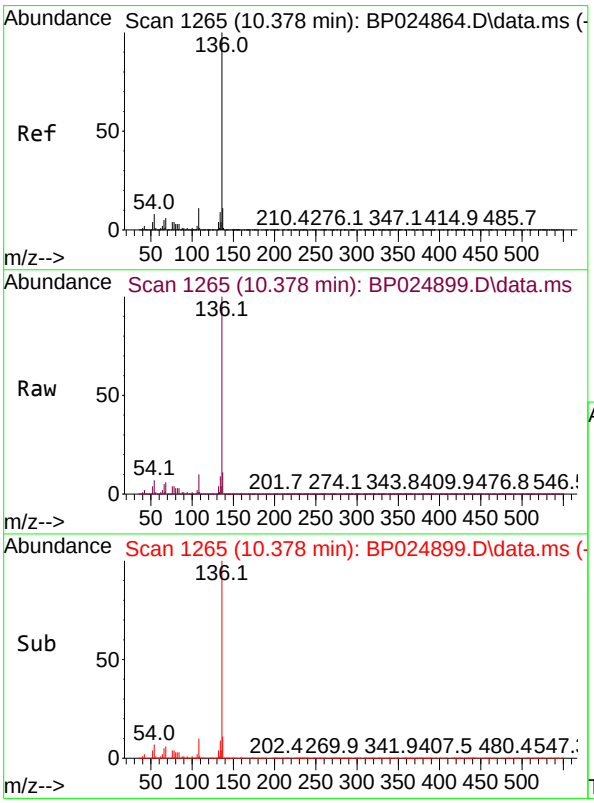
Tgt Ion: 99 Resp: 219571

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.4	20.2
71	34.5	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

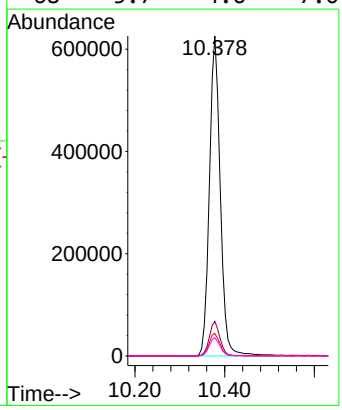
Manual Integrations
APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

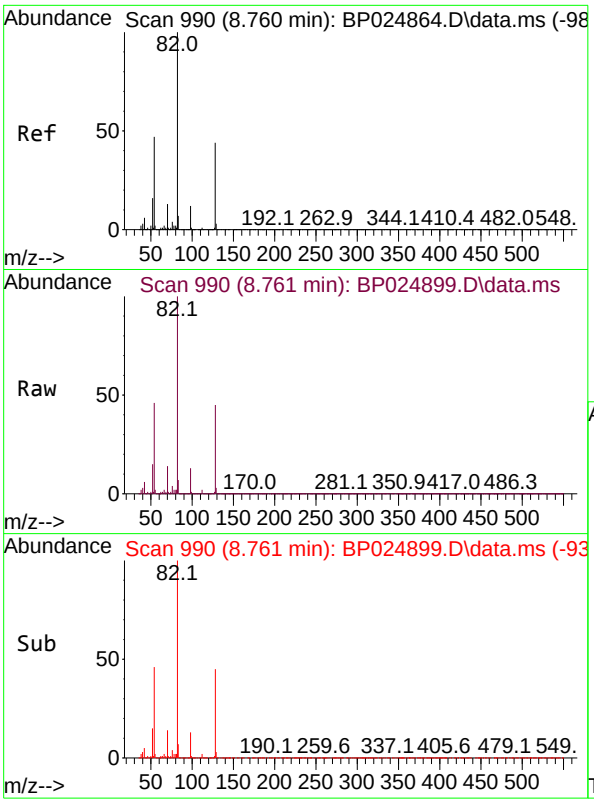


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:136 Resp: 1052781

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.1	9.1
68	5.7	4.6	7.0

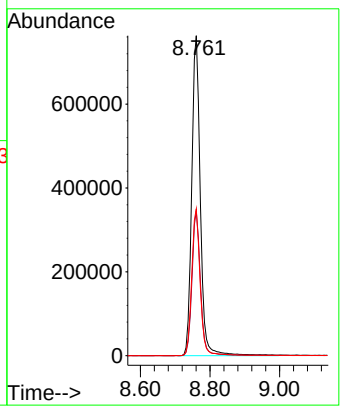




#23
Nitrobenzene-d5
Concen: 60.512 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion: 82 Resp: 131101

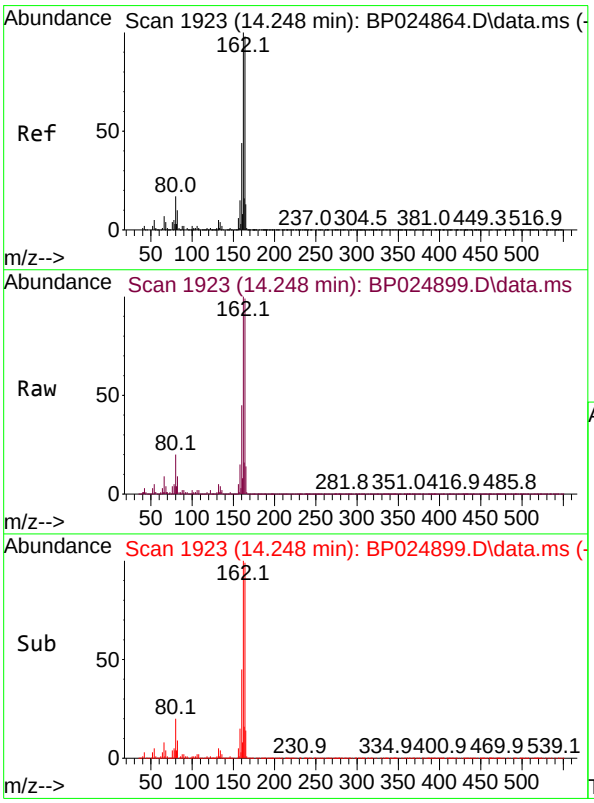
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.3	52.9
54	45.9	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

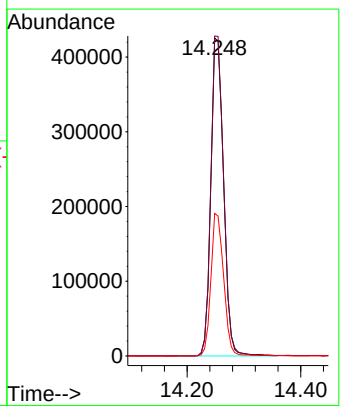
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

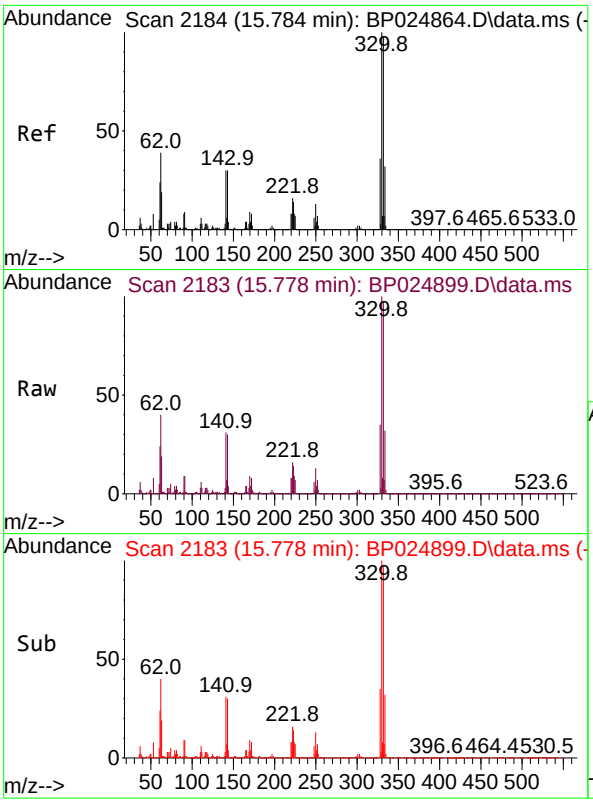


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:164 Resp: 660296

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	44.9	36.2	54.2





#42
2,4,6-Tribromophenol
Concen: 112.656 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

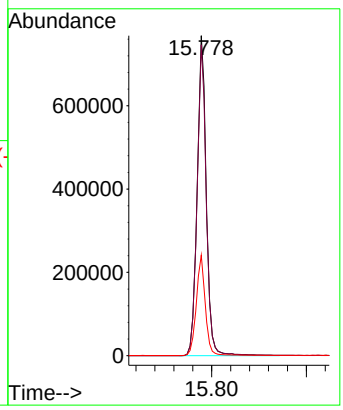
Tgt Ion:330 Resp: 102843

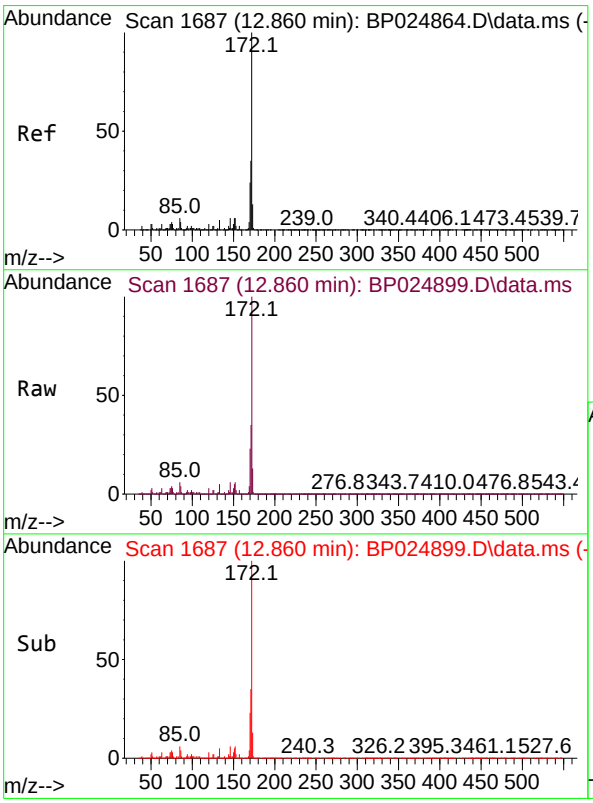
Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.7	116.5
141	30.9	26.4	39.6

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

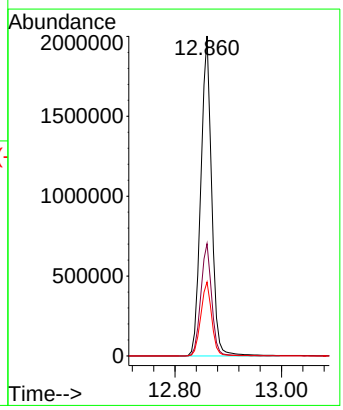


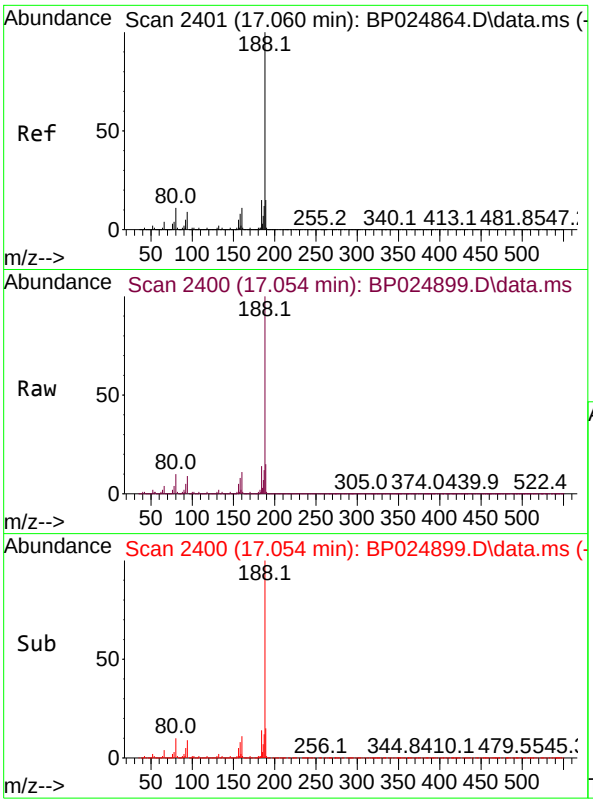


#45
2-Fluorobiphenyl
Concen: 57.616 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:172 Resp: 2824048

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.1	19.0	28.4

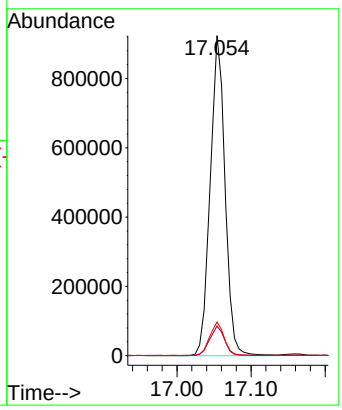




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

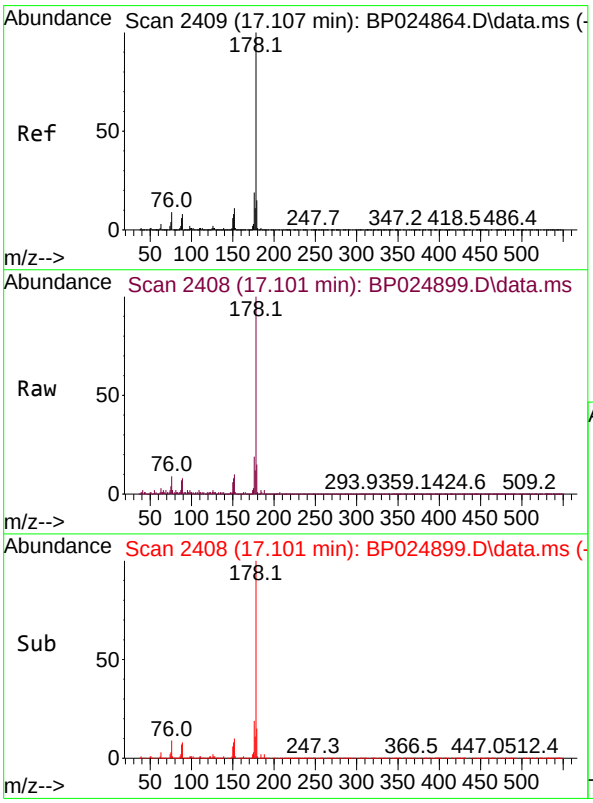
Tgt Ion:188 Resp: 127979

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.5	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

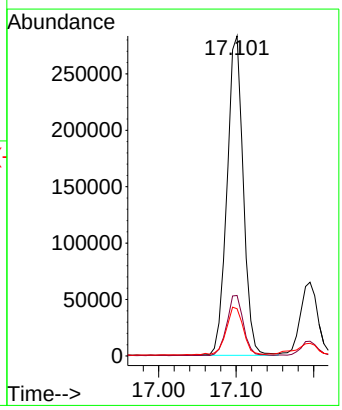
Manual Integrations
APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

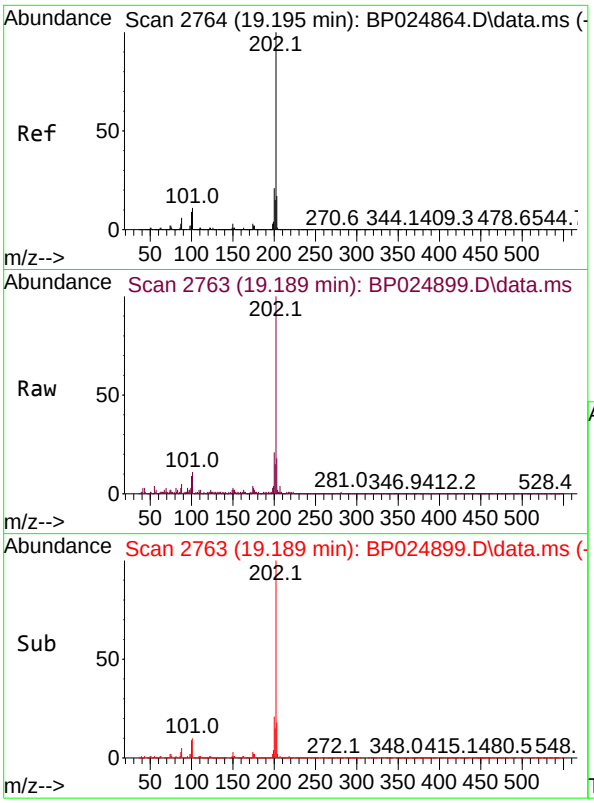


#71
Phenanthrene
Concen: 5.833 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:178 Resp: 412561

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	14.8	12.1	18.1





#75
Fluoranthene
Concen: 6.362 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

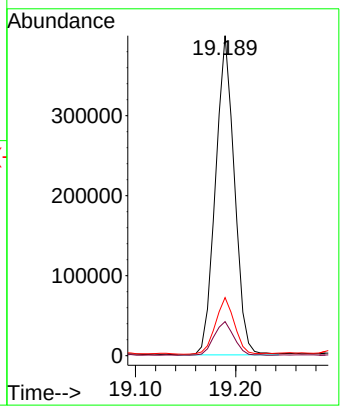
Tgt Ion:202 Resp: 52150

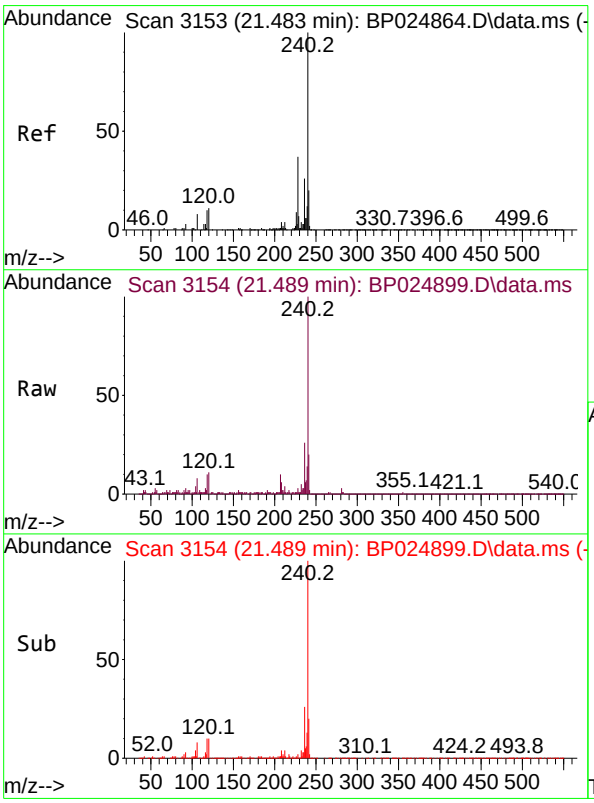
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	18.2	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

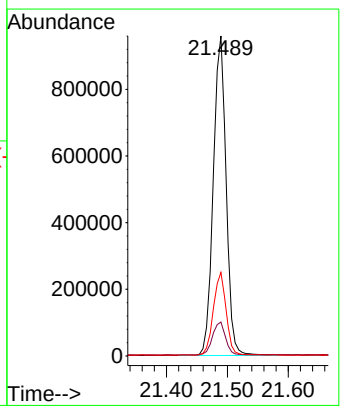


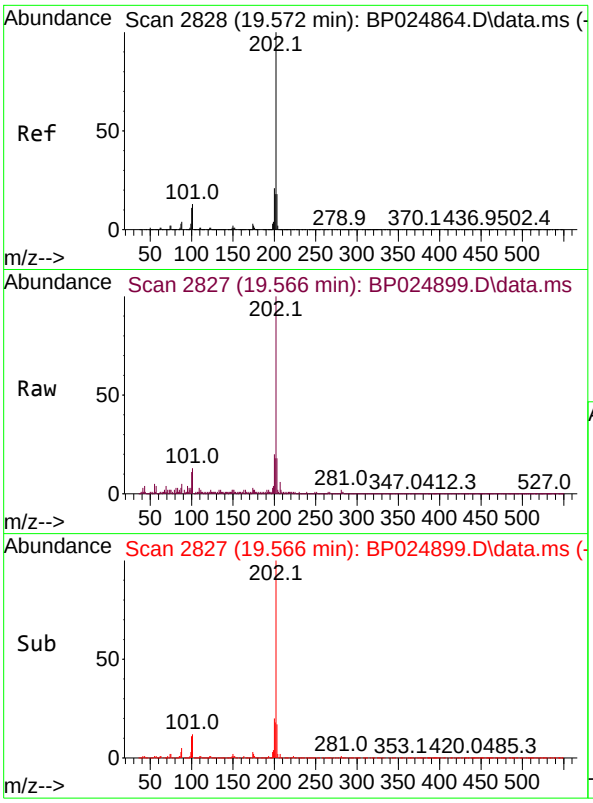


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:240 Resp: 1406584

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.1	20.9	31.3

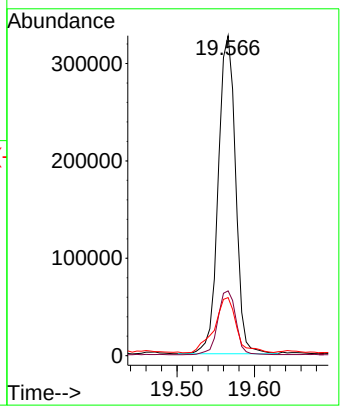




#78
Pyrene
Concen: 5.776 ng
RT: 19.566 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

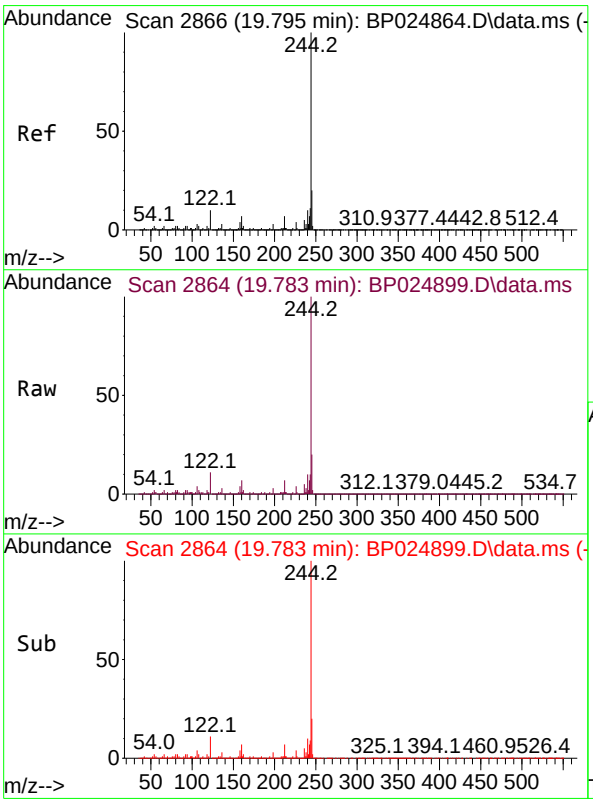
Tgt Ion:202 Resp: 50757

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.1	25.7
203	18.1	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

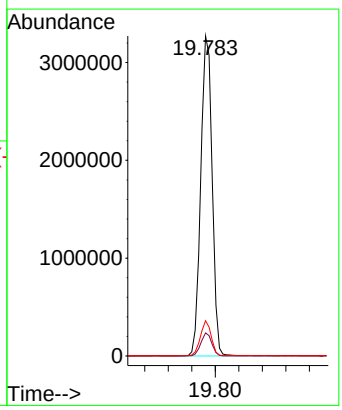
Manual Integrations
APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

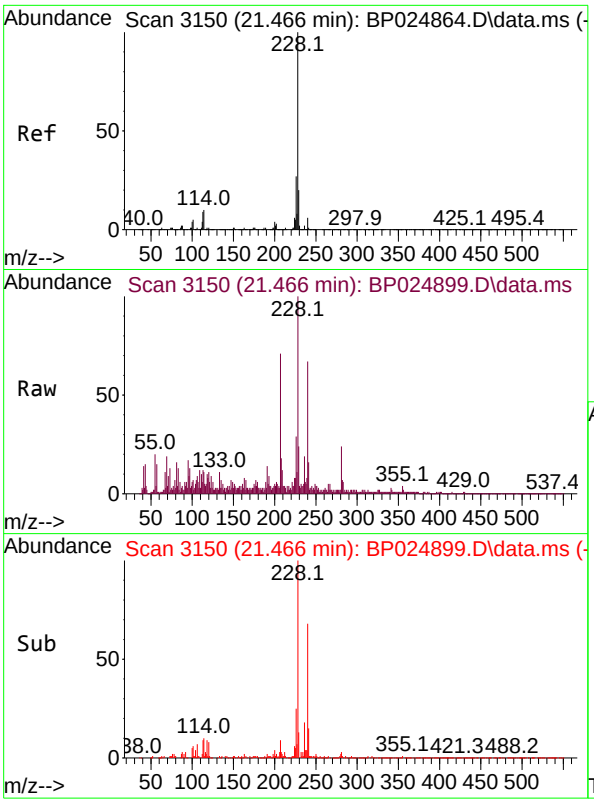


#79
Terphenyl-d14
Concen: 55.921 ng
RT: 19.783 min Scan# 2864
Delta R.T. -0.012 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:244 Resp: 4388776

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.0	7.7	11.5

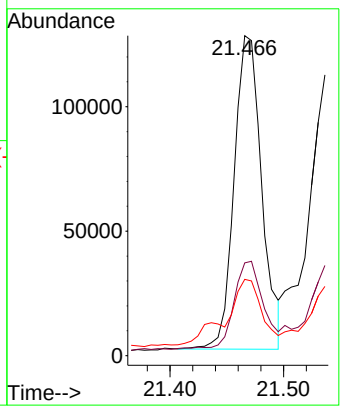




#81
Benzo(a)anthracene
Concen: 2.363 ng
RT: 21.466 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:228 Resp: 21260

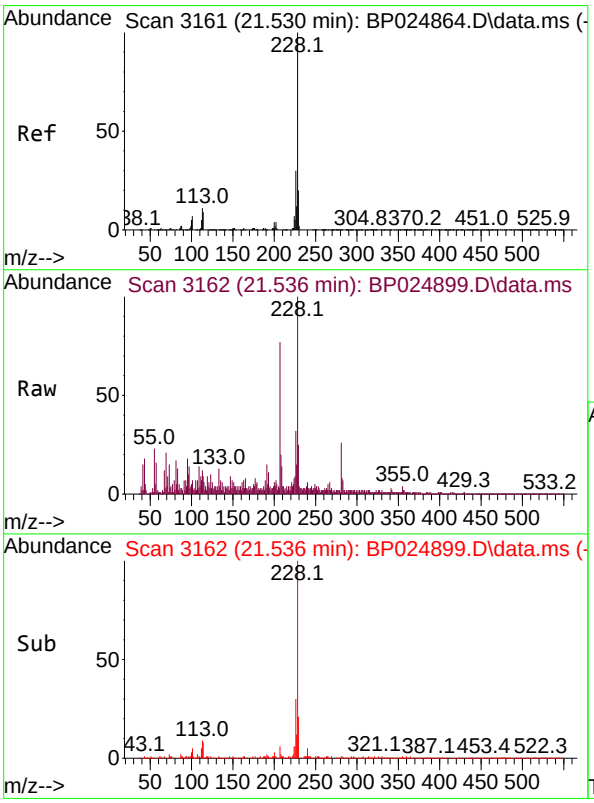
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.1	33.1
229	23.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

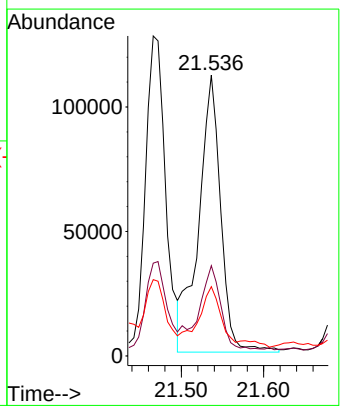
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

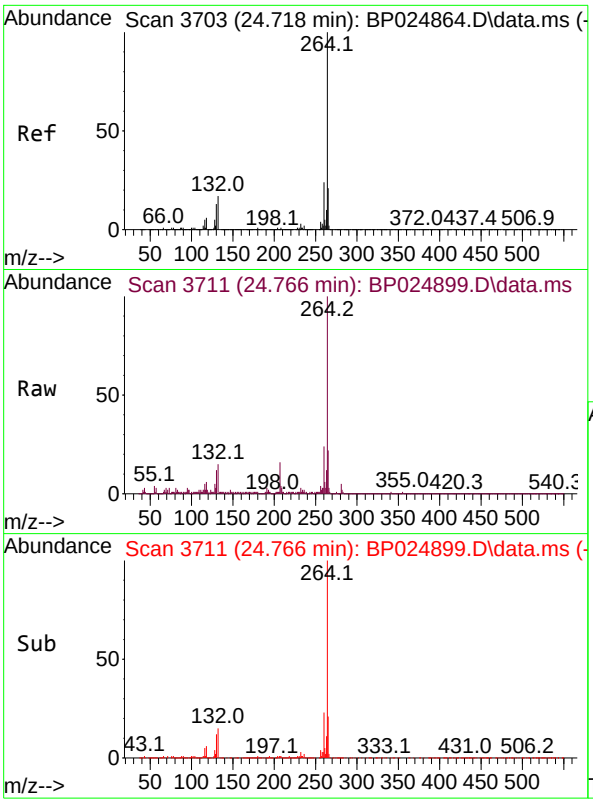


#83
Chrysene
Concen: 2.442 ng m
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:228 Resp: 208166

Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.8	35.6
229	24.7	15.6	23.4#

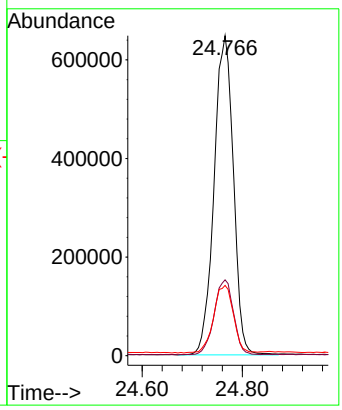




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.766 min Scan# 3
Delta R.T. 0.047 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

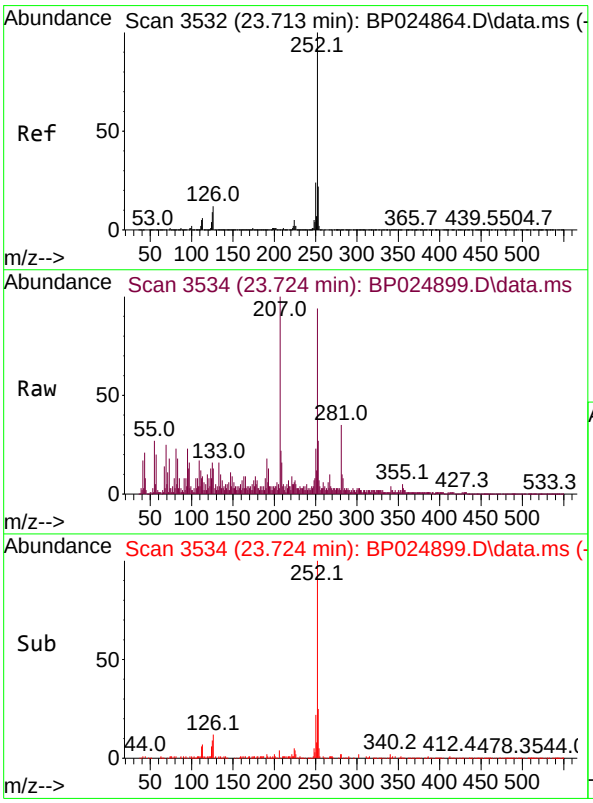
Tgt Ion:264 Resp: 173055

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.0	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

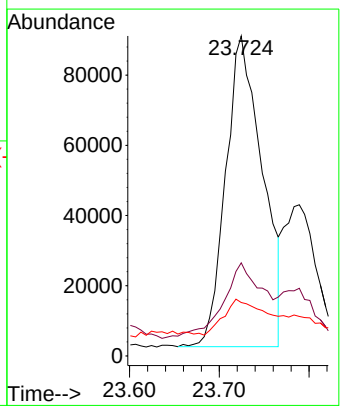
Manual Integrations
APPROVED
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

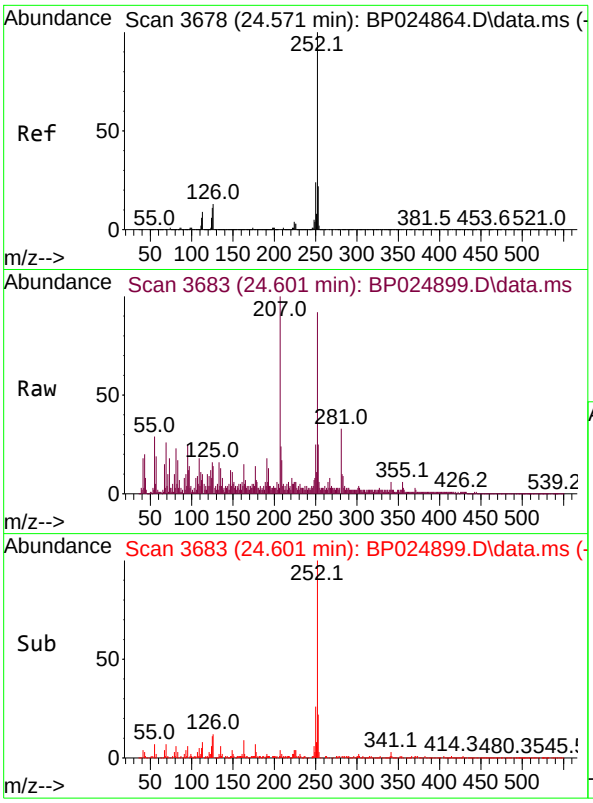


#88
Benzo(b)fluoranthene
Concen: 2.544 ng
RT: 23.724 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:252 Resp: 251939

Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.6	26.4#
125	16.7	7.1	10.7#

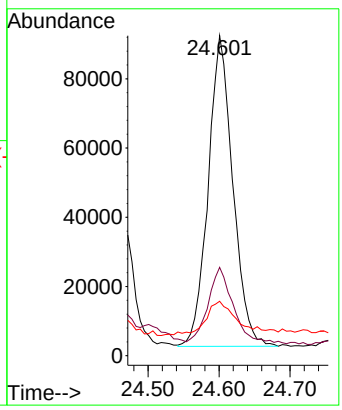





```
#90
Benzo(a)pyrene
Concen:    2.237 ng
RT:  24.601 min  Scan# 3
Delta R.T.  0.029 min
Lab File:   BP024899.D
Acq: 10 Jun 2025  18:30

Tgt Ion:252 Resp:  21641

Ion  Ratio  Lower  Upper
252  100
253   27.6   17.5   26.3#
125   17.0    8.8   13.2#
```



Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

Sample Results: **BP024899.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024899.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	323	rBV	334017	478073	3.98%	0.716%
2	5.237	385	391	409	rBV	3614116	5527860	45.99%	8.274%
3	6.814	652	659	682	rBV	3563082	6000550	49.93%	8.981%
4	7.608	785	794	808	rBV	947214	1483058	12.34%	2.220%
5	8.761	982	990	1012	rBV	2168028	3701029	30.79%	5.539%
6	10.378	1254	1265	1282	rBV	1244971	2153909	17.92%	3.224%
7	12.860	1680	1687	1706	rBV	5709510	8155782	67.86%	12.207%
8	14.248	1917	1923	1931	rBV	1792046	2766689	23.02%	4.141%
9	15.325	2100	2106	2109	rBV2	79134	121623	1.01%	0.182%
10	15.642	2153	2160	2167	rBV	918562	1339606	11.15%	2.005%
11	15.778	2176	2183	2191	rBV	5484029	7262007	60.42%	10.869%
12	17.054	2394	2400	2404	rBV2	2275613	3193996	26.58%	4.781%
13	17.101	2404	2408	2414	rVB	666793	982417	8.17%	1.470%
14	17.195	2420	2424	2430	rVB	151711	219022	1.82%	0.328%
15	17.995	2556	2560	2567	rVV2	639399	1066370	8.87%	1.596%
16	19.189	2759	2763	2768	rVB	914898	1168215	9.72%	1.749%
17	19.331	2784	2787	2791	rBV4	163304	242890	2.02%	0.364%
18	19.566	2823	2827	2831	rVB	663540	970217	8.07%	1.452%
19	19.783	2859	2864	2876	rVB	8881864	12018511	100.00%	17.989%
20	21.489	3149	3154	3159	rVB	2492645	3899257	32.44%	5.836%
21	24.766	3705	3711	3720	rVB	1629102	4060995	33.79%	6.078%

Sum of corrected areas: 66812076

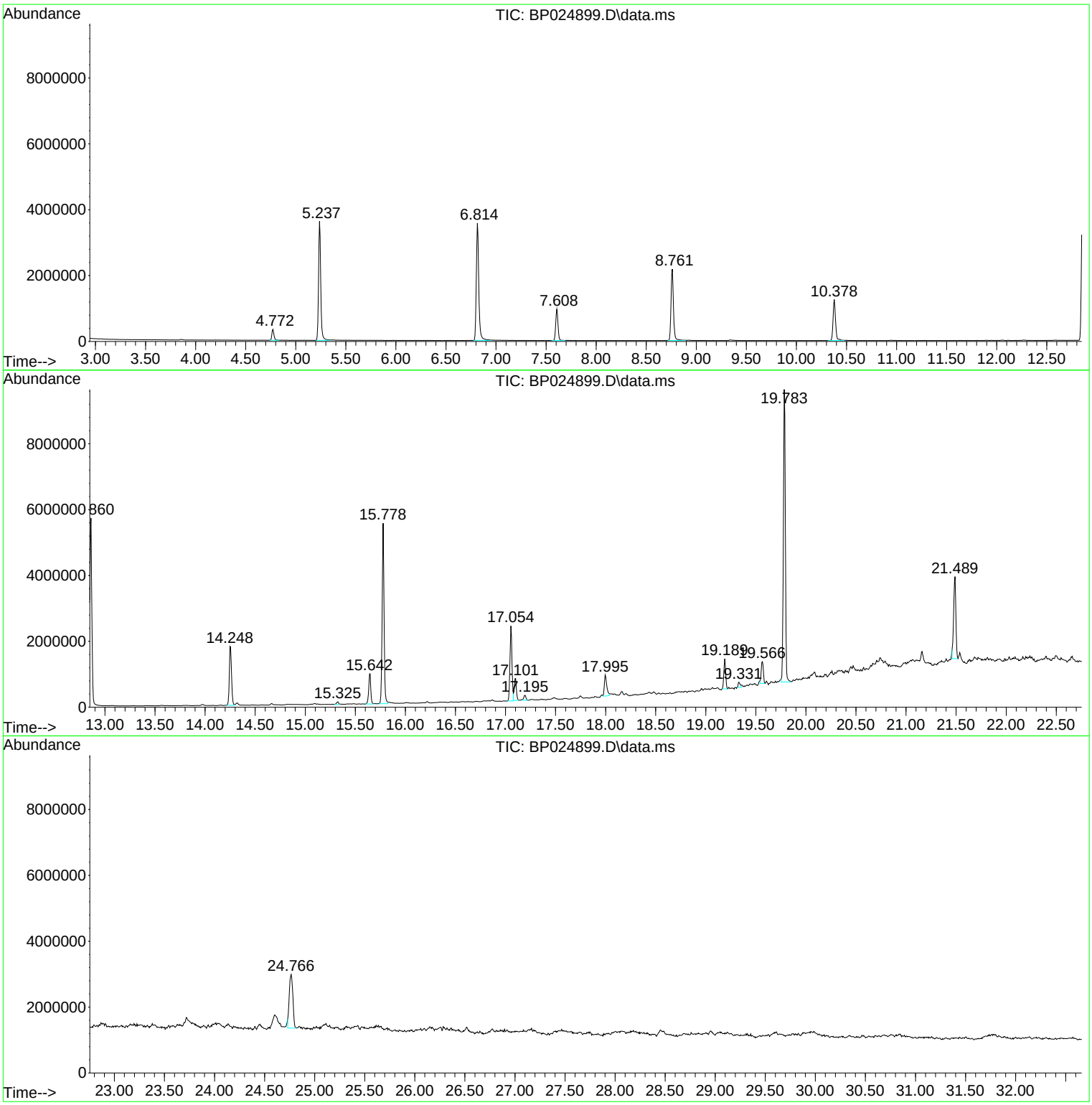
Sample Results: **BP024899.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

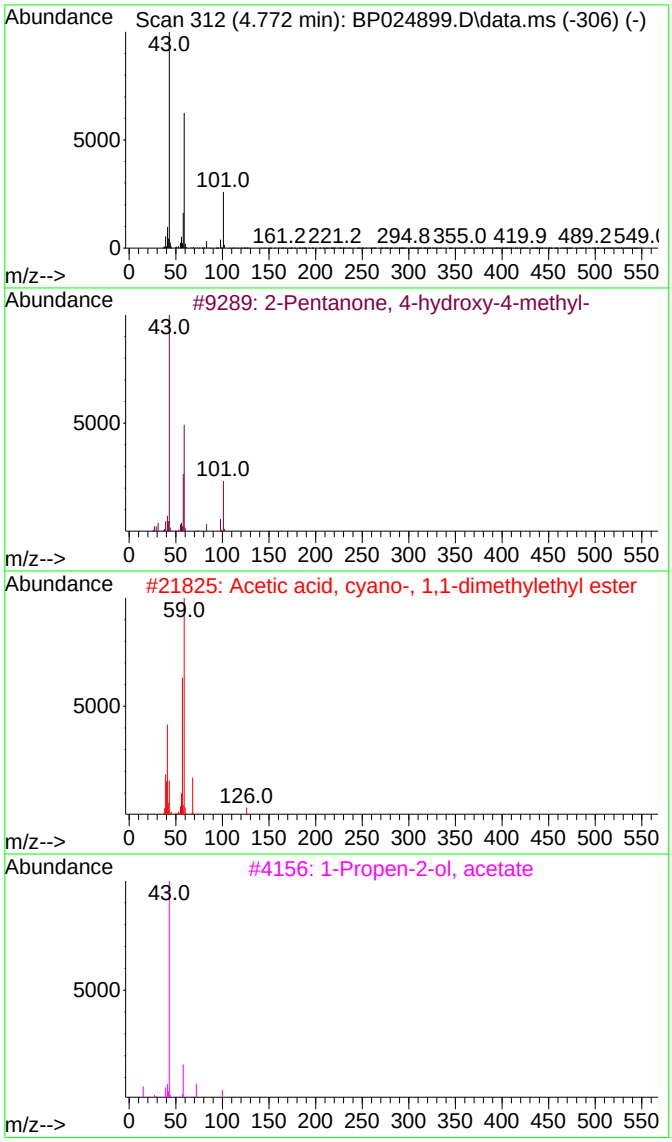
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

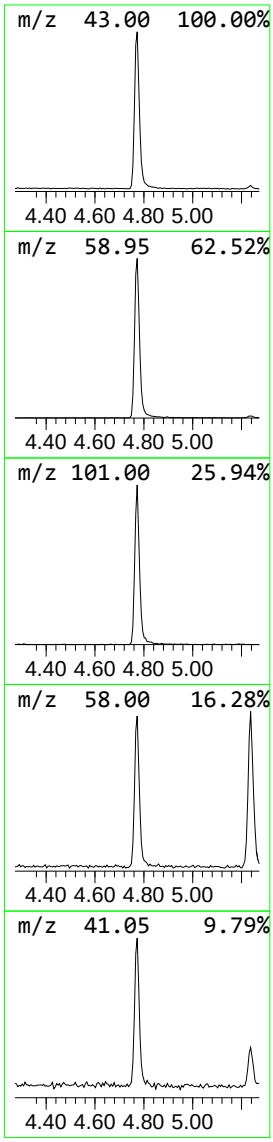
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	6.45 ng	478073	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

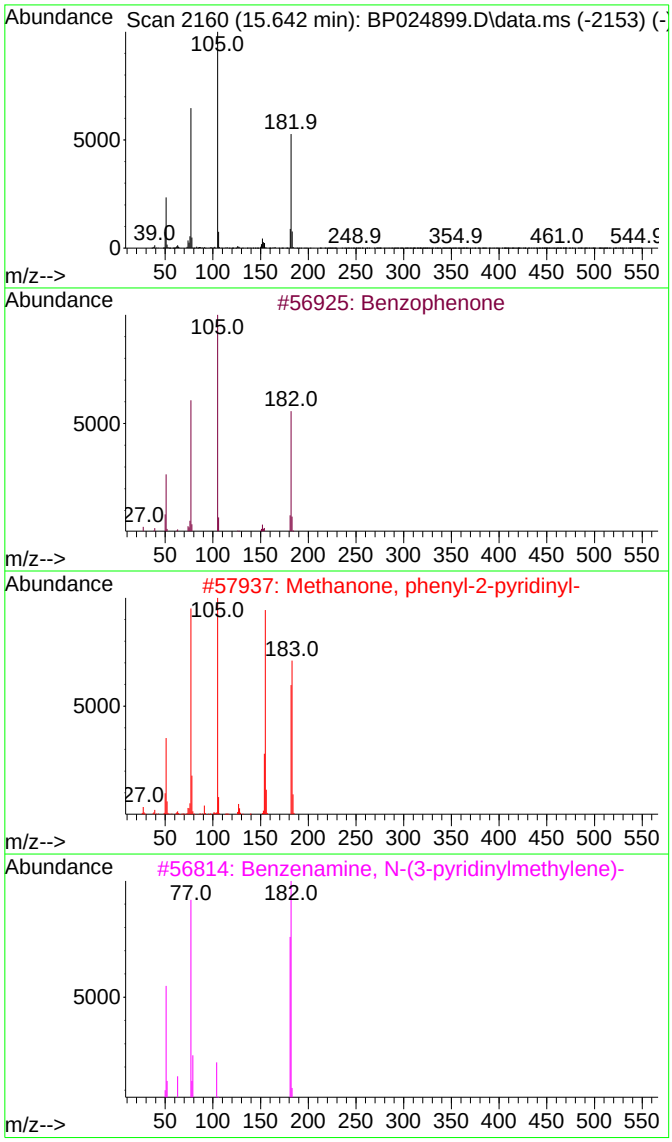
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

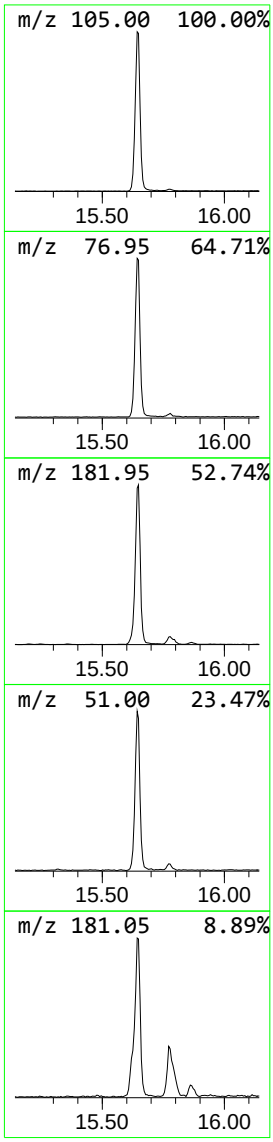
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	9.68 ng	1339610	Acenaphthene-d10	14.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
4	Azobenzene	182	C12H10N2	000103-33-3	45
5	1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

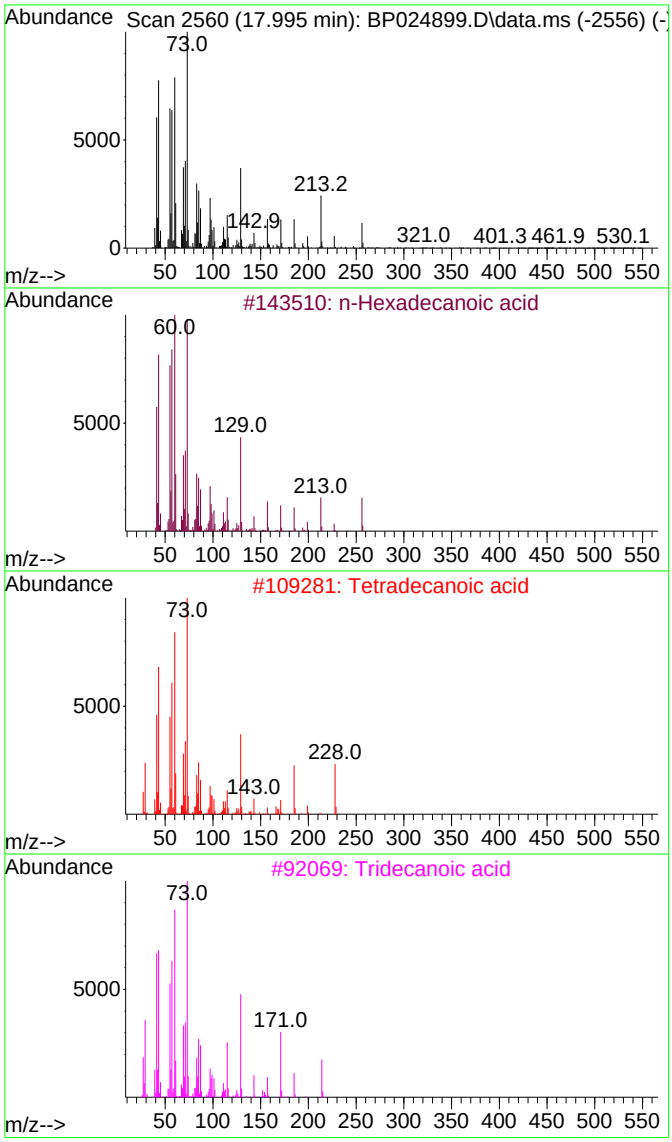
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

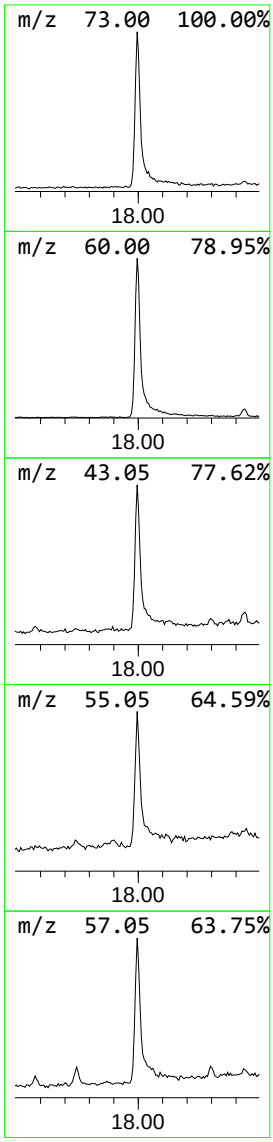
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.995	6.68 ng	1066370	Phenanthrene-d10	17.054

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	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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-...	4.772	6.5	ng	478073	1	7.608	1483060	20.0
Benzophenone	15.643	9.7	ng	1339610	3	14.249	2766690	20.0
n-Hexadecanoic ...	17.995	6.7	ng	1066370	4	17.054	3194000	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Time: Jun 06 22:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

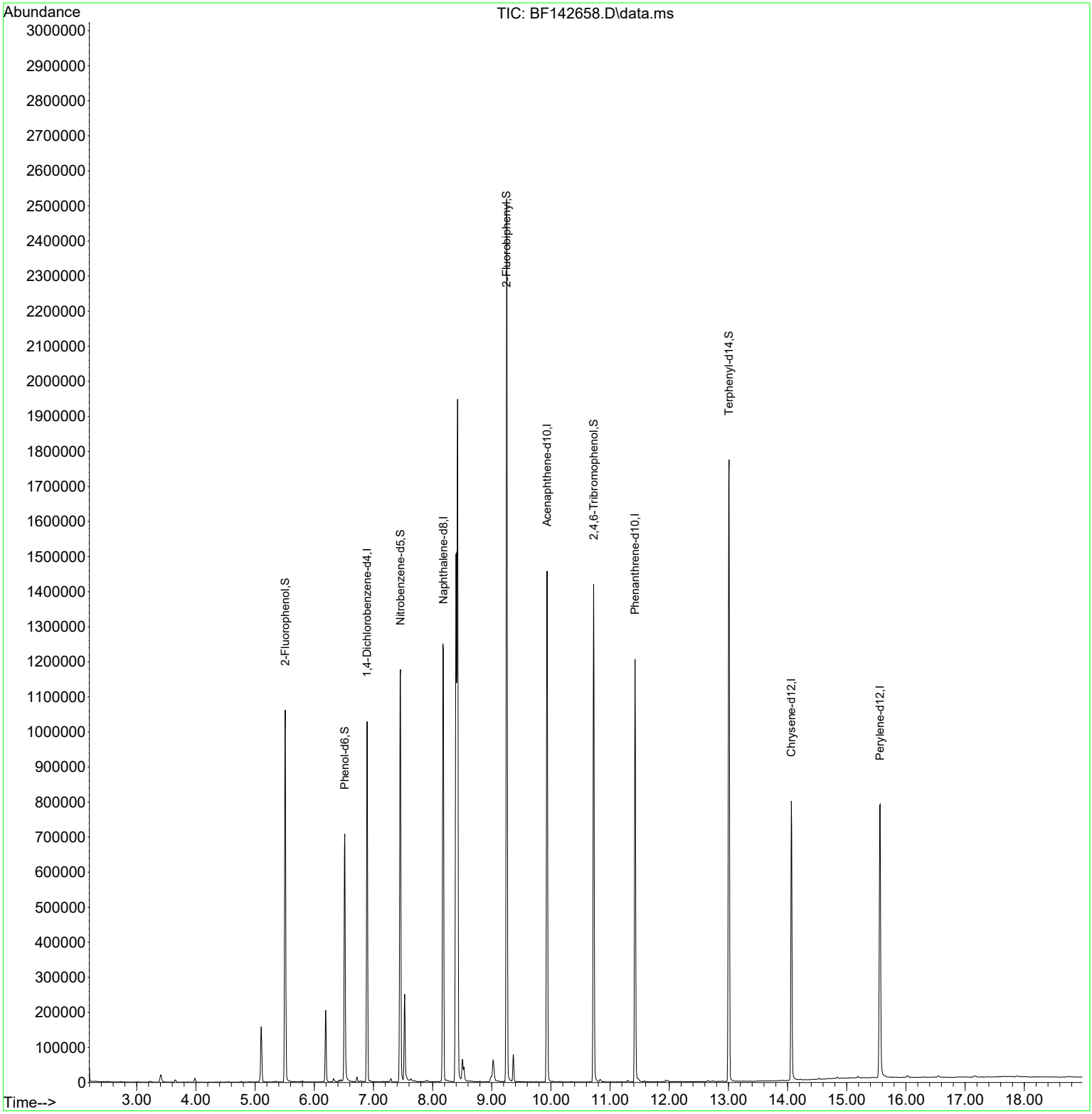
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	220757	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	837398	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	443312	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	652874	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	417346	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	499853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	416699	31.801	ng	0.00
7) Phenol-d6	6.516	99	349815	22.178	ng	-0.02
23) Nitrobenzene-d5	7.457	82	541368	35.252	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	256220	52.075	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1168881	35.381	ng	-0.02
79) Terphenyl-d14	13.010	244	910708	29.820	ng	0.00
Target Compounds						Qvalue

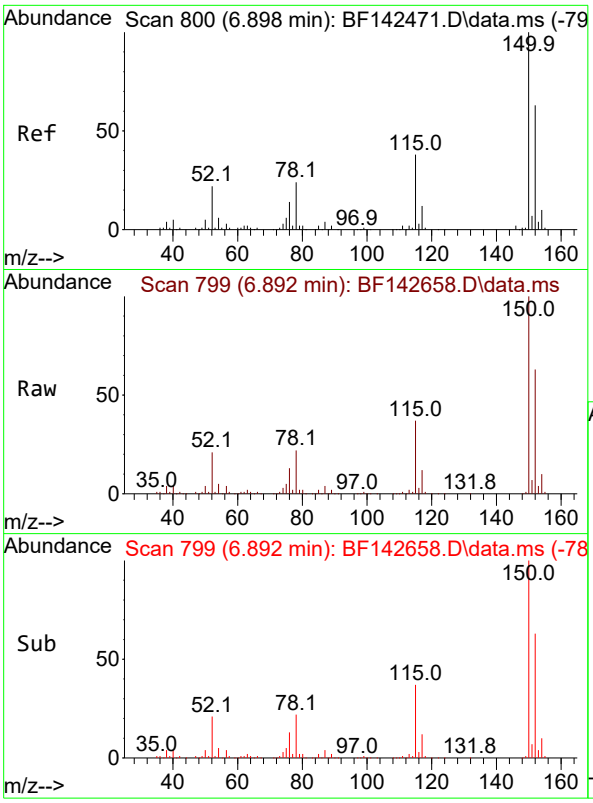
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Time: Jun 06 22:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



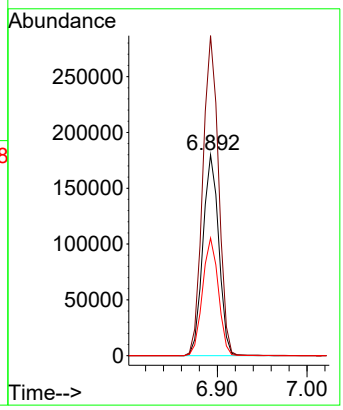


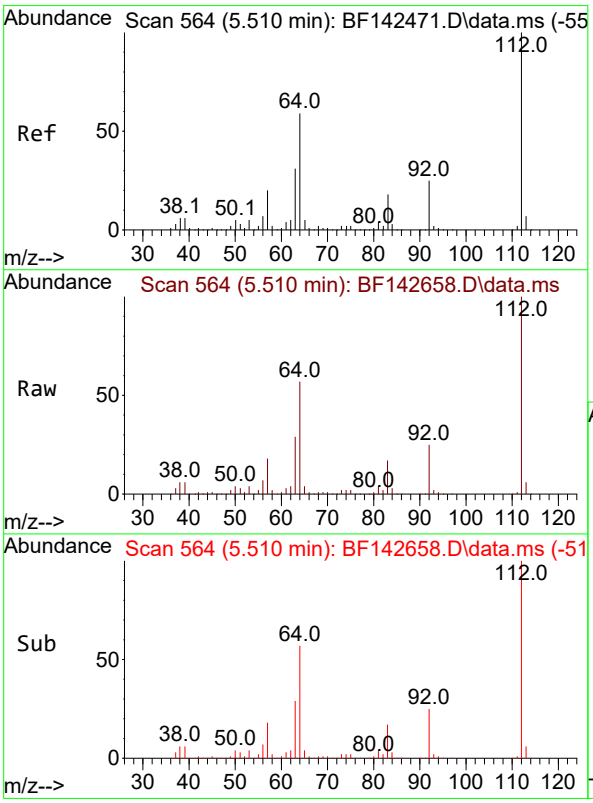
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion:152 Resp: 220757

Ion	Ratio	Lower	Upper
152	100		
150	159.4	128.2	192.4
115	58.6	48.3	72.5

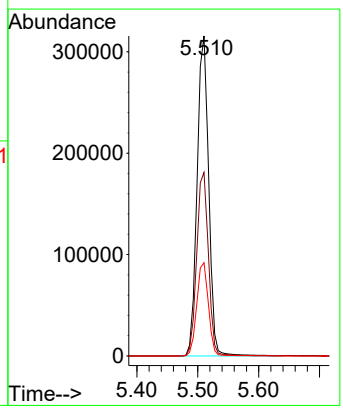


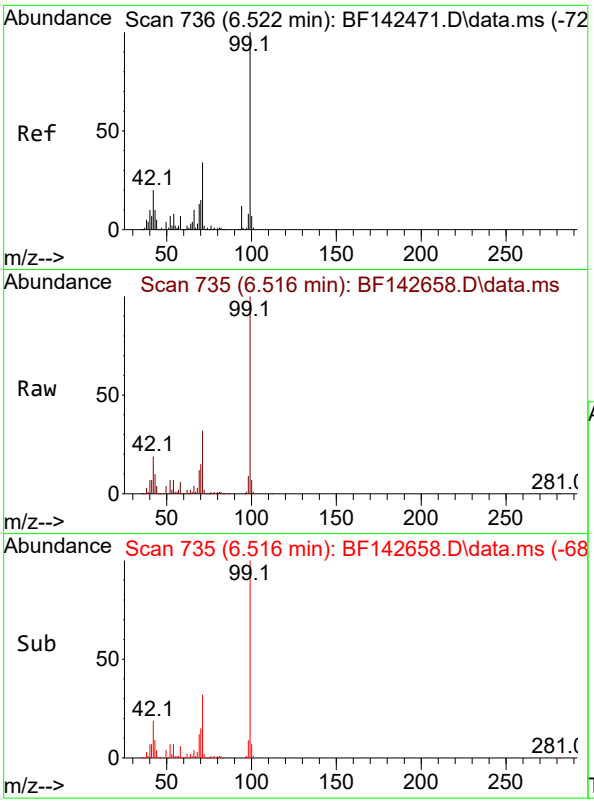


#5
2-Fluorophenol
Concen: 31.801 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:112 Resp: 416699

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.5	71.3
63	29.2	24.9	37.3



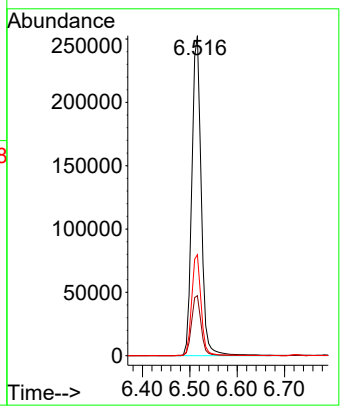


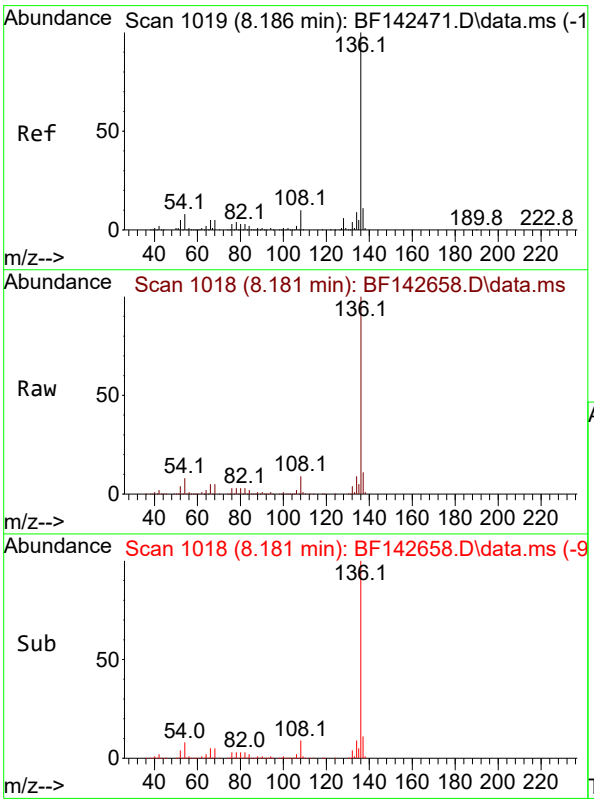
#7
Phenol-d6
Concen: 22.178 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion: 99 Resp: 349815

Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.2	24.2
71	31.5	27.3	40.9

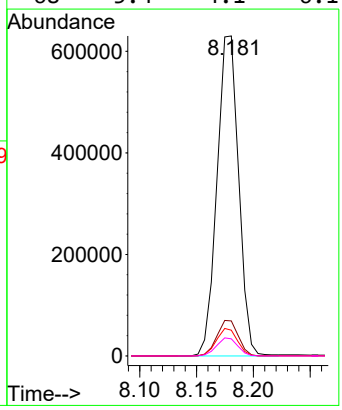


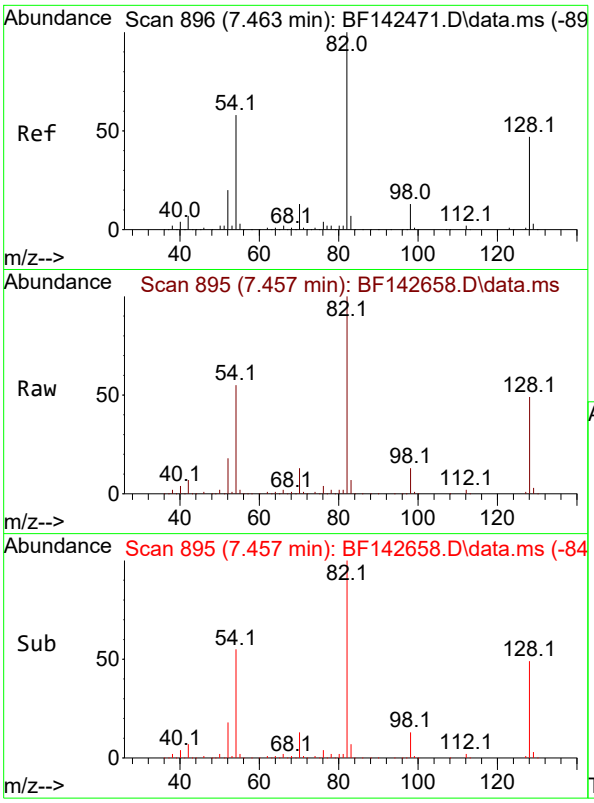


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:136 Resp: 837398

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.1	6.6	10.0
68	5.4	4.1	6.1



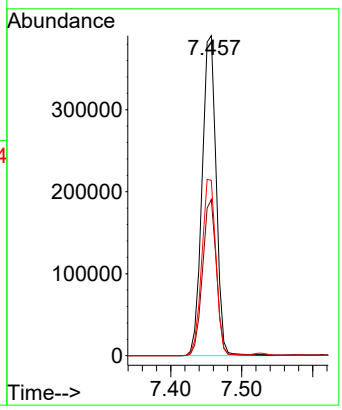


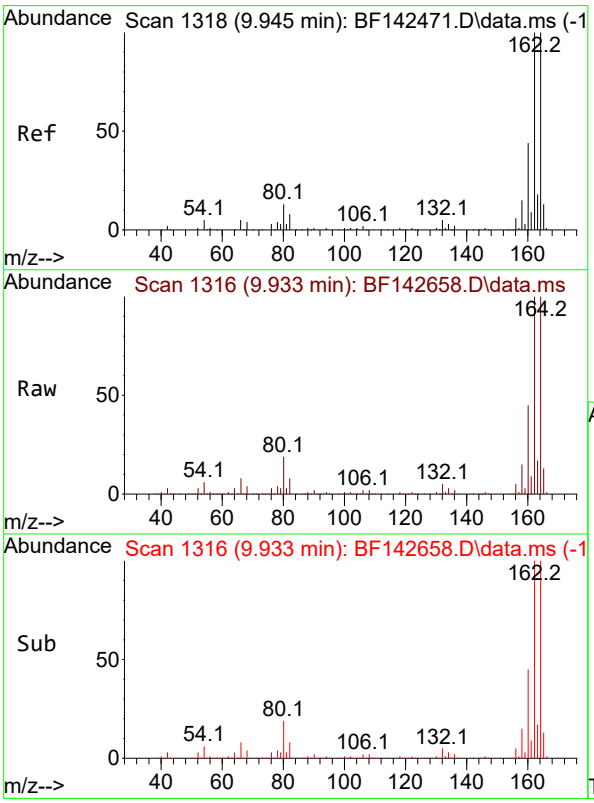
#23
Nitrobenzene-d5
Concen: 35.252 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion: 82 Resp: 541368

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.4	56.2
54	54.8	46.6	70.0

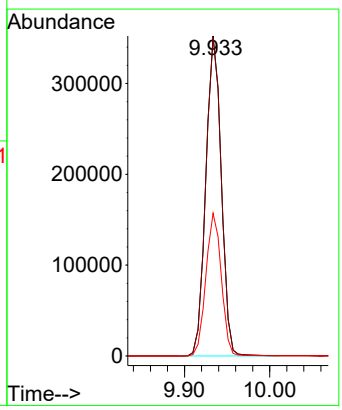


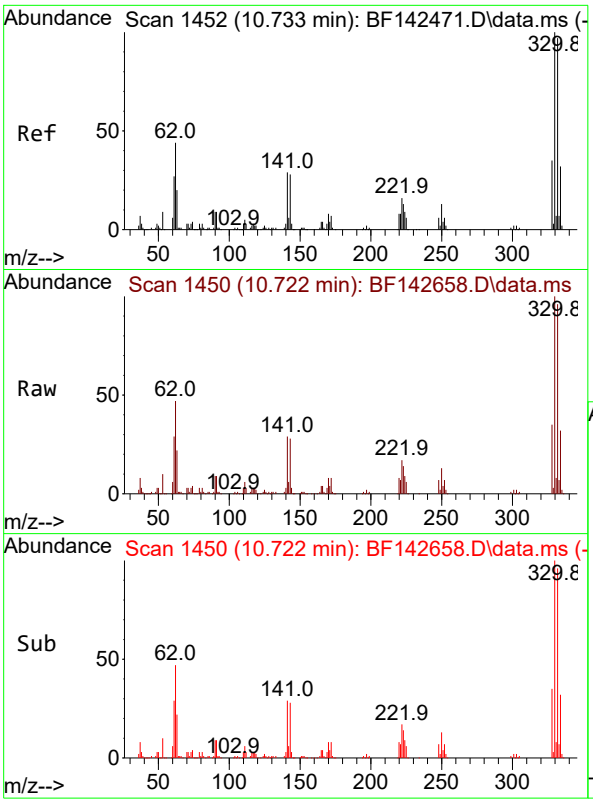


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:164 Resp: 443312

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.2	120.4
160	44.6	35.6	53.4



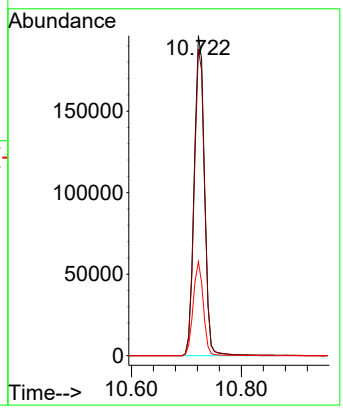


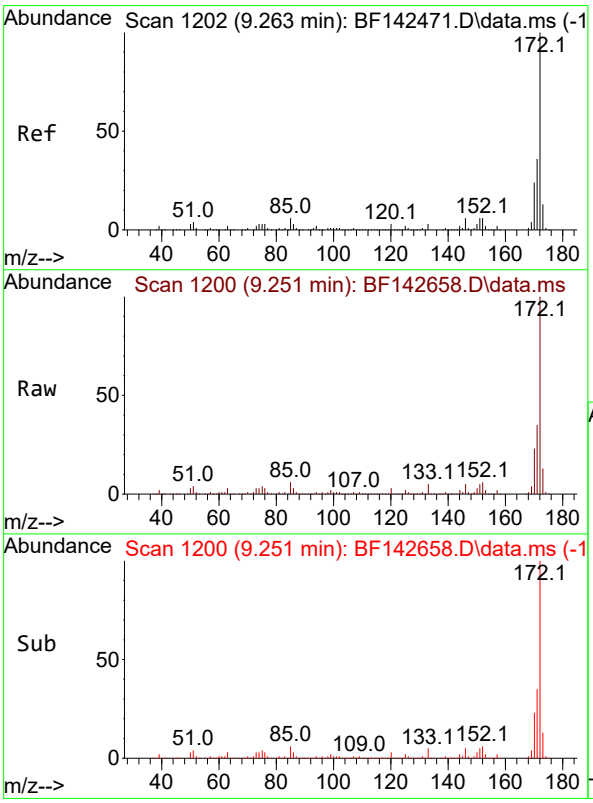
#42
2,4,6-Tribromophenol
Concen: 52.075 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion:330 Resp: 256220

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	28.7	24.6	36.8

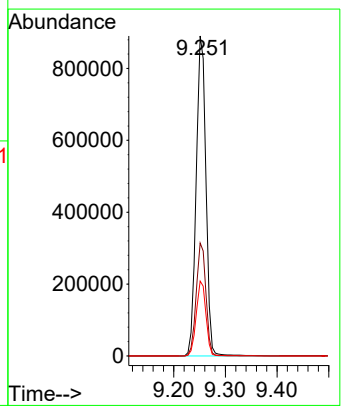


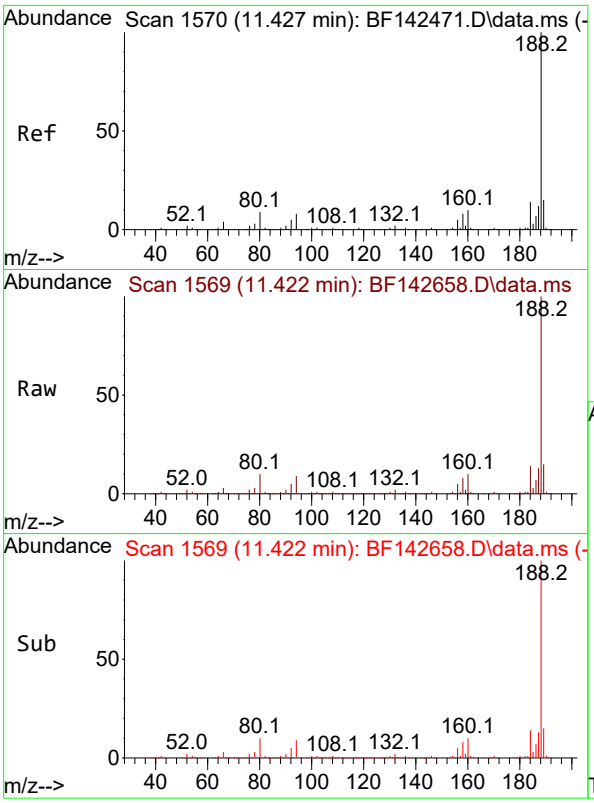


#45
2-Fluorobiphenyl
Concen: 35.381 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:172 Resp: 1168881

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.4	18.9	28.3



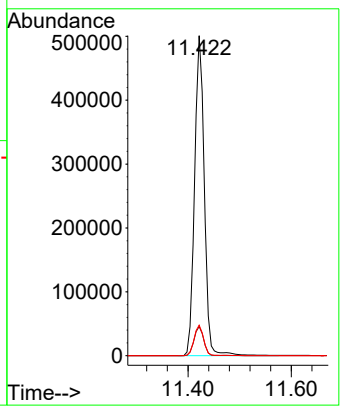


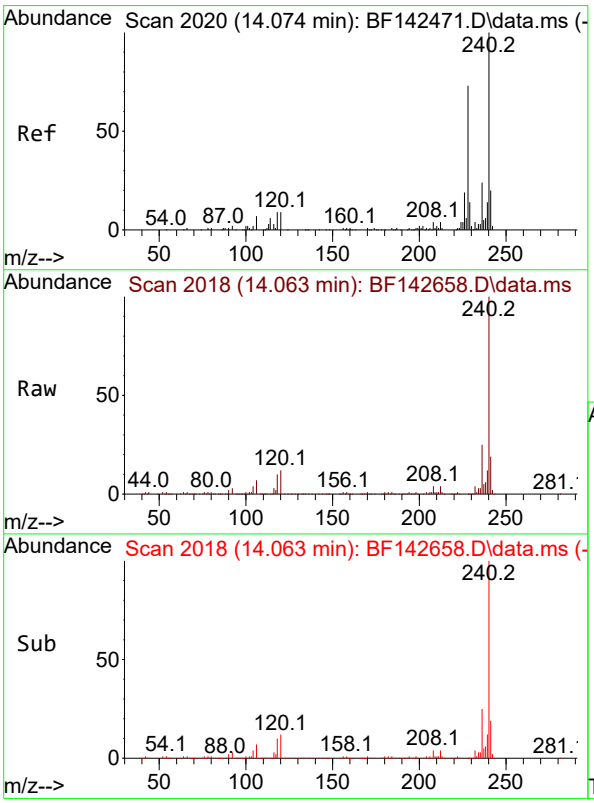
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion:188 Resp: 652874

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.5	7.4	11.0

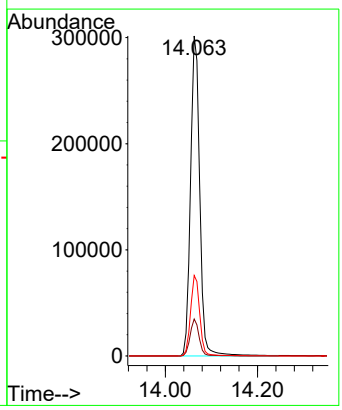


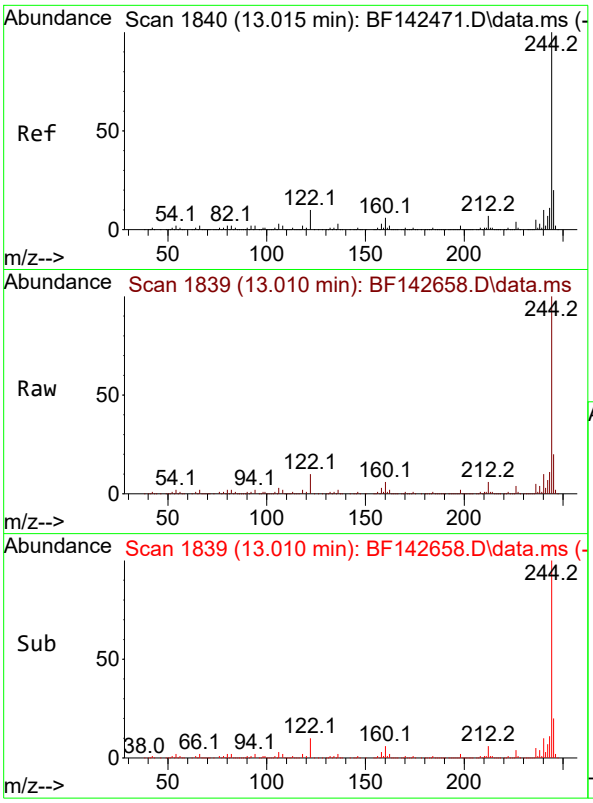


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:240 Resp: 417346

Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.5	11.3#
236	25.2	19.6	29.4



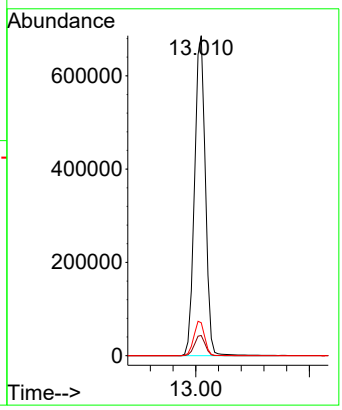


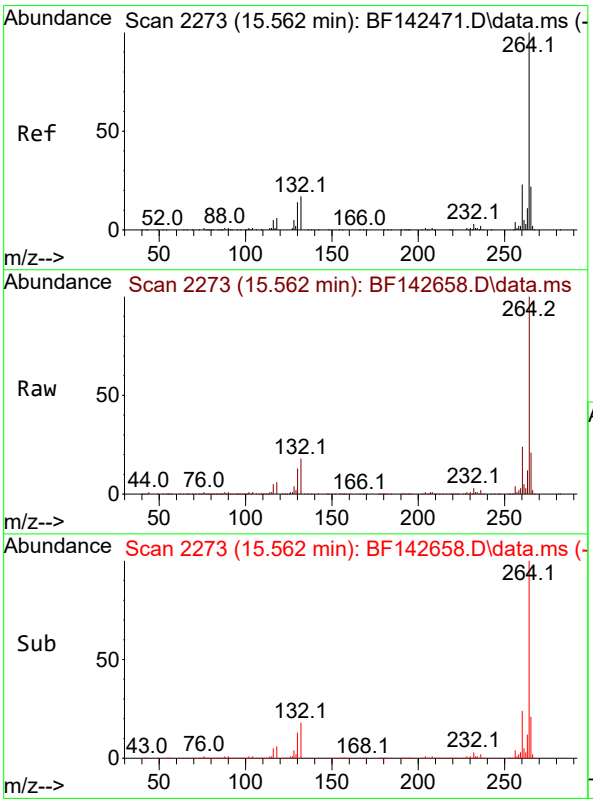
#79
Terphenyl-d14
Concen: 29.820 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025

Tgt Ion:244 Resp: 910708

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	10.3	8.2	12.2

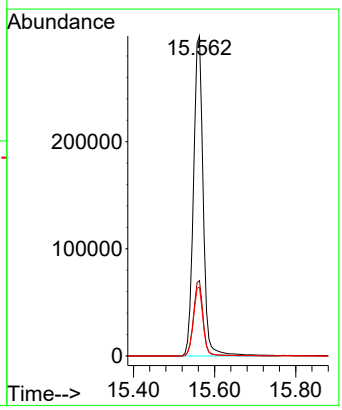




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:264 Resp: 499853

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.4	17.7	26.5



Sample Results: **BF142658.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142658.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.404	199	206	223	rVB	20200	42205	1.30%	0.164%
2	5.104	486	495	505	rBV	158178	228178	7.04%	0.886%
3	5.510	558	564	576	rBV	1060427	1404379	43.32%	5.451%
4	6.192	675	680	693	rVB	204633	256927	7.93%	0.997%
5	6.516	729	735	755	rVB	705600	977036	30.14%	3.792%
6	6.892	794	799	804	rBV	1027128	1257514	38.79%	4.881%
7	7.457	887	895	902	rBV	1176999	1638403	50.54%	6.360%
8	7.528	902	907	921	rVB	246668	337209	10.40%	1.309%
9	8.175	1005	1017	1023	rBV	1249838	1657682	51.14%	6.435%
10	8.398	1048	1055	1056	rBV	1506778	1977265	60.99%	7.675%
11	8.422	1056	1059	1068	rVV	1945489	2469920	76.19%	9.587%
12	8.504	1068	1073	1076	rVV	62313	97040	2.99%	0.377%
13	8.528	1076	1077	1086	rVB	39203	41030	1.27%	0.159%
14	9.022	1156	1161	1170	rVB2	58023	118084	3.64%	0.458%
15	9.251	1194	1200	1205	rBV	2518089	3241711	100.00%	12.583%
16	9.363	1215	1219	1228	rVB	78389	101238	3.12%	0.393%
17	9.933	1310	1316	1321	rBV	1457205	1832329	56.52%	7.112%
18	10.722	1445	1450	1465	rBV	1420099	1820408	56.16%	7.066%
19	11.422	1564	1569	1577	rBV	1205282	1544852	47.66%	5.997%
20	13.010	1833	1839	1844	rBV	1772941	2348119	72.43%	9.115%
21	14.063	2013	2018	2035	rBV	794713	1071174	33.04%	4.158%
22	15.562	2266	2273	2288	rBV	778117	1299618	40.09%	5.045%

Sum of corrected areas: 25762321

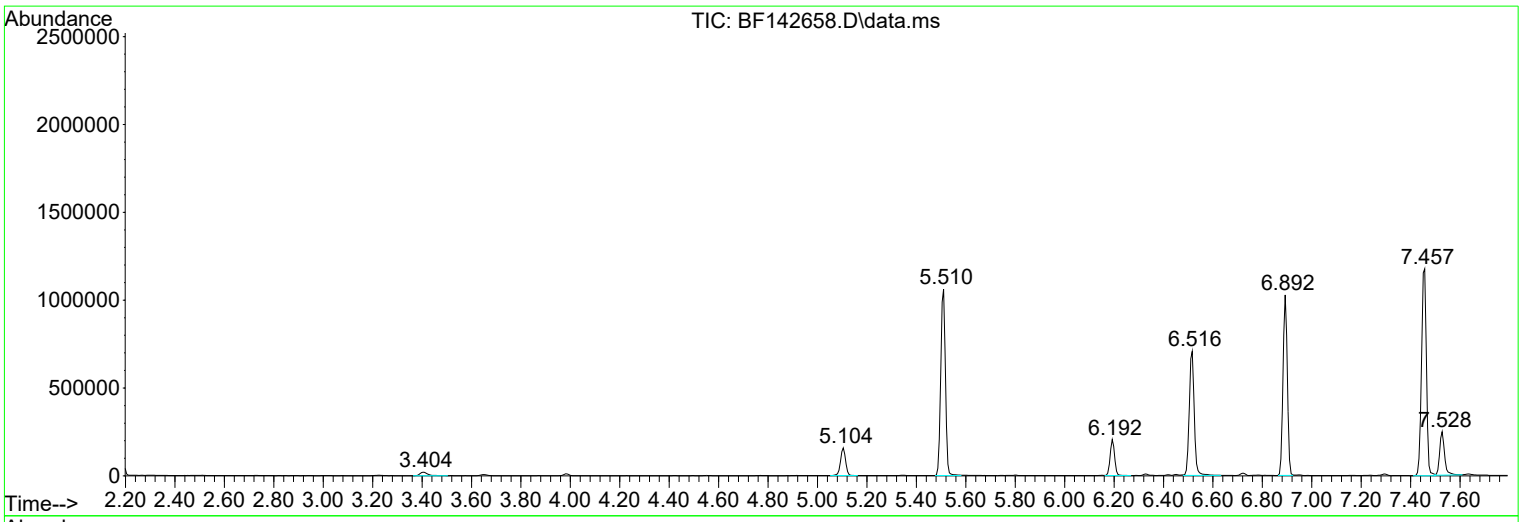
Sample Results: **BF142658.D**

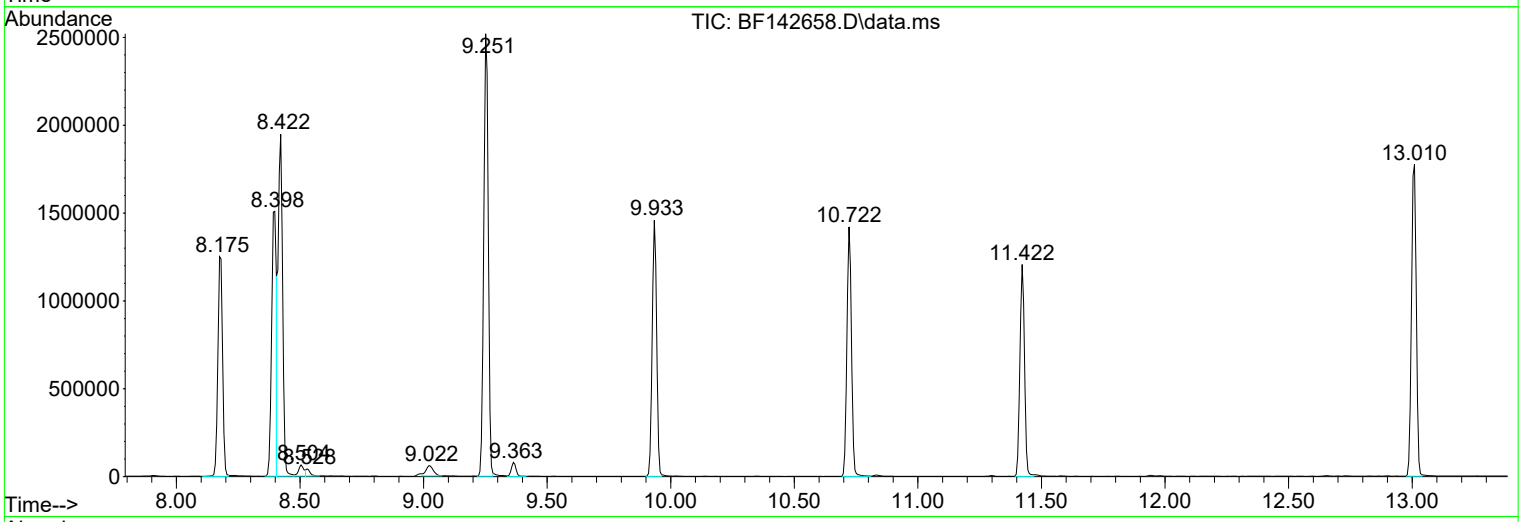
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

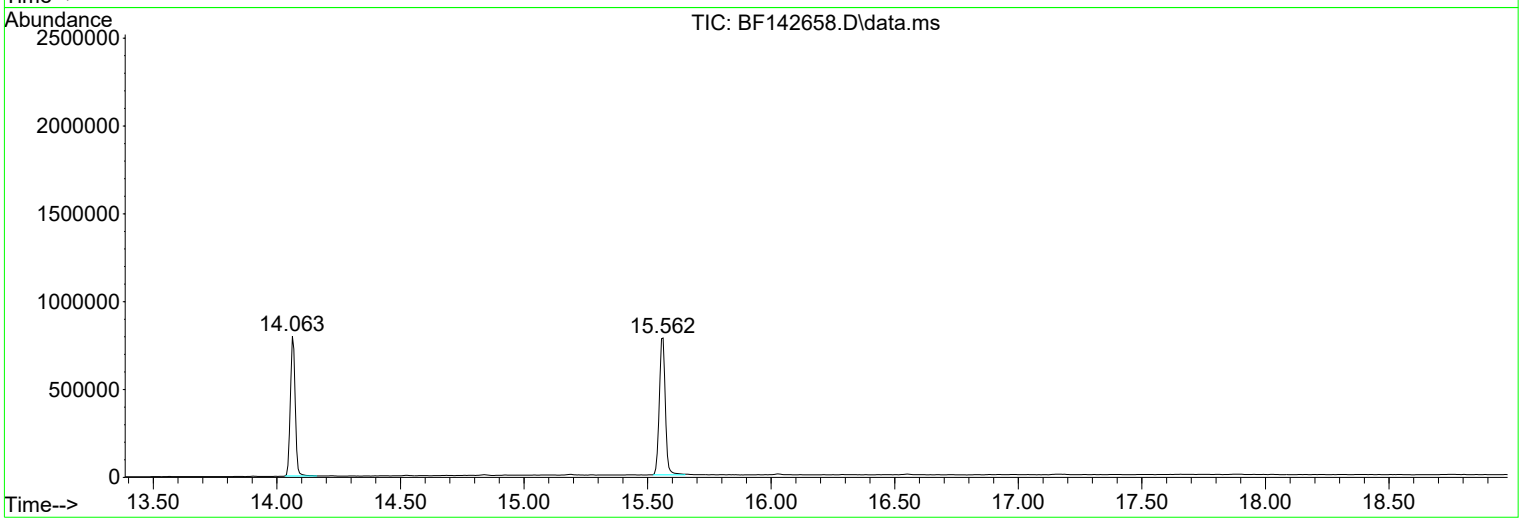
Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

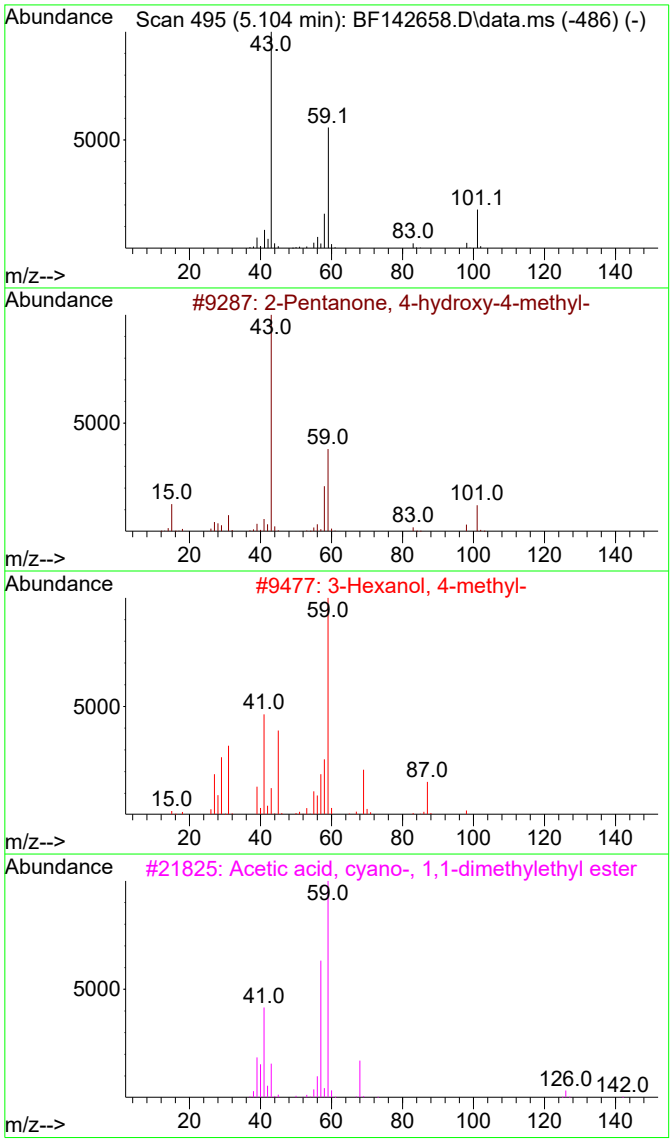
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

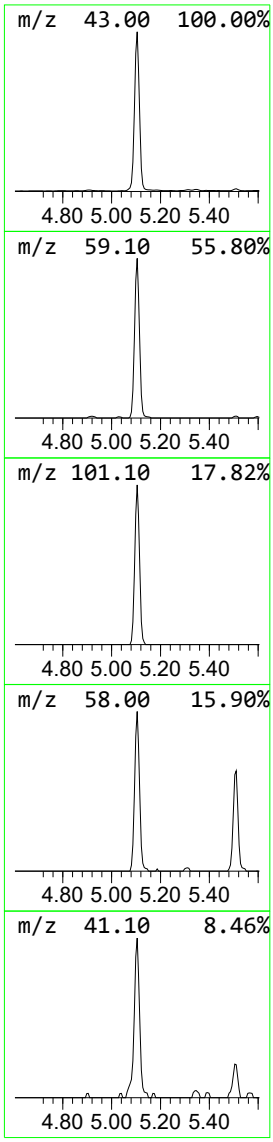
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	3.63 ng	228178	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

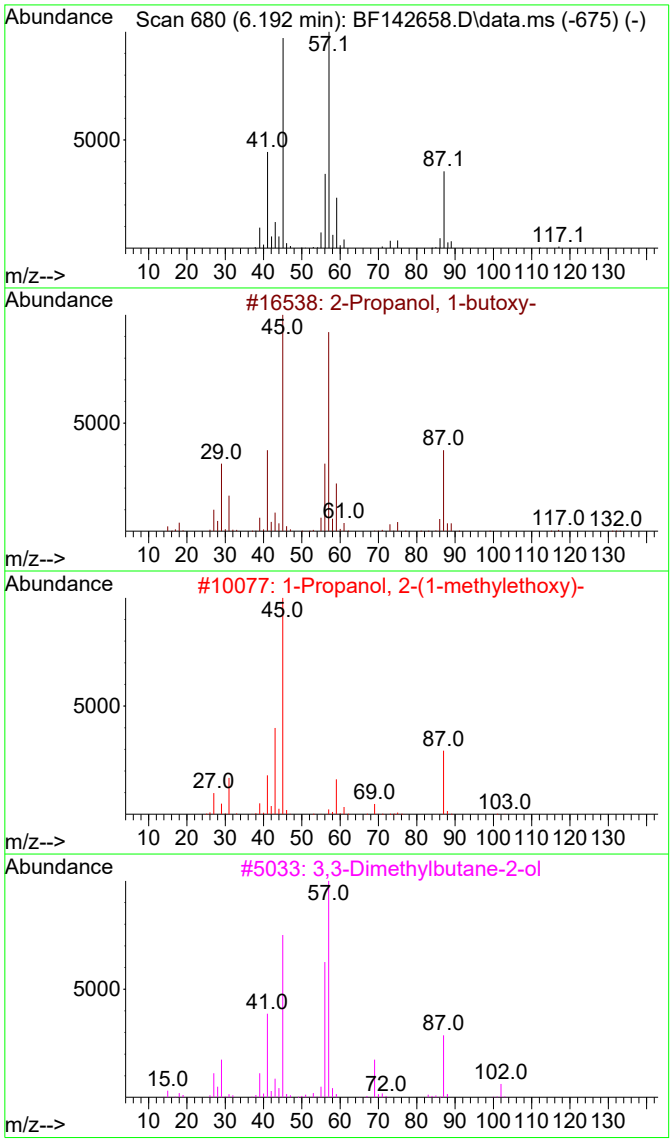
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

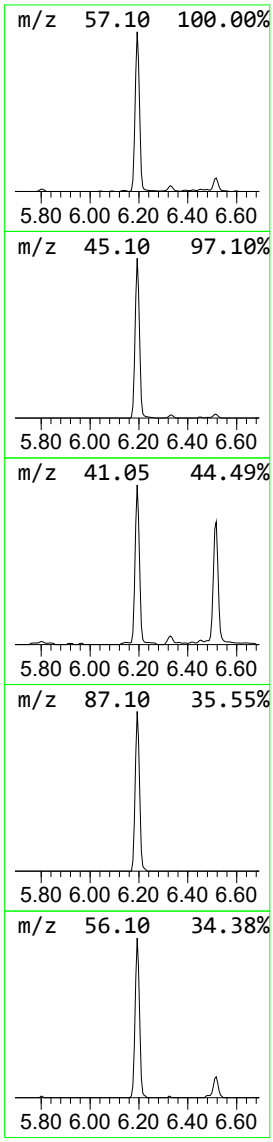
****

Peak Number 2 2-Propanol, 1-butoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.192	4.09 ng	256927	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	90
2	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	53
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
4	Formic acid, 1-methylpropyl ester	102	C5H10O2	000589-40-2	45
5	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

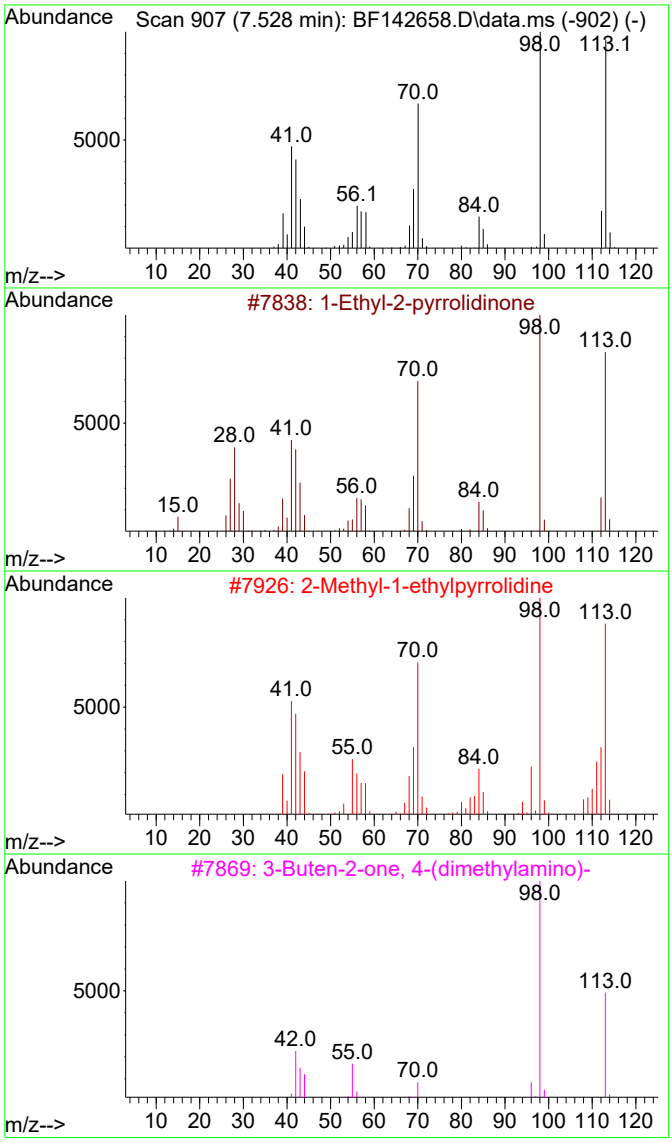
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

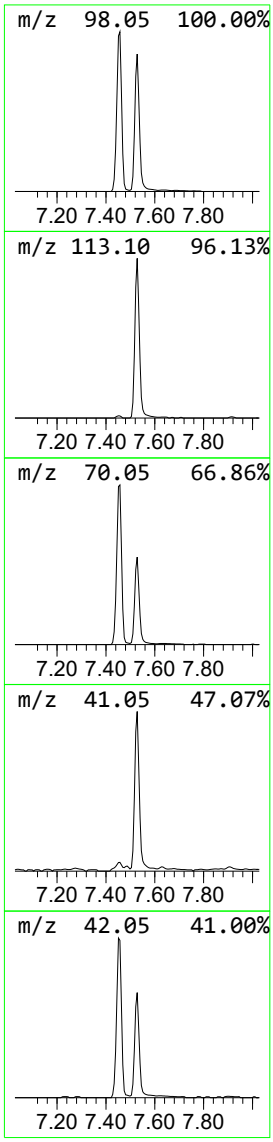
****

Peak Number 3 1-Ethyl-2-pyrrolidinone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.528	5.36 ng	337209	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2-pyrrolidinone	113	C6H11NO	002687-91-4	94
2	2-Methyl-1-ethylpyrrolidine	113	C7H15N	000765-79-7	86
3	3-Buten-2-one, 4-(dimethylamino)-	113	C6H11NO	001190-91-6	59
4	3-Penten-2-one, 4-(methylamino)-	113	C6H11NO	014092-14-9	50
5	Piperazine, 1-[(2,4-dichlorobenz...	286	C13H16Cl2N2O	1000137-95-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

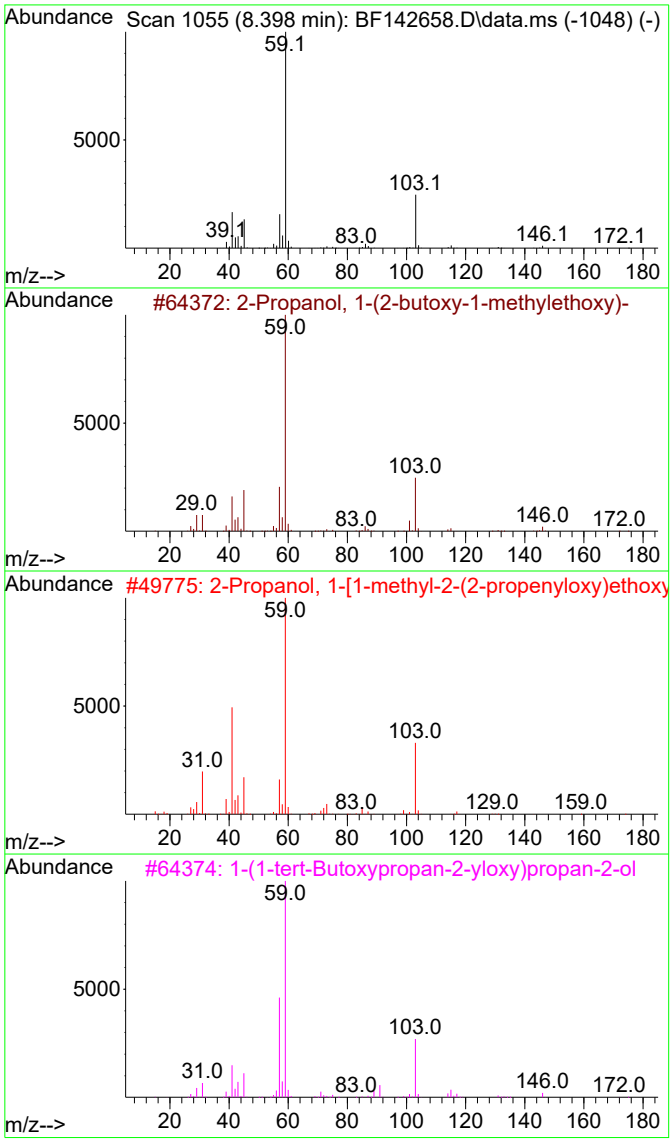
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

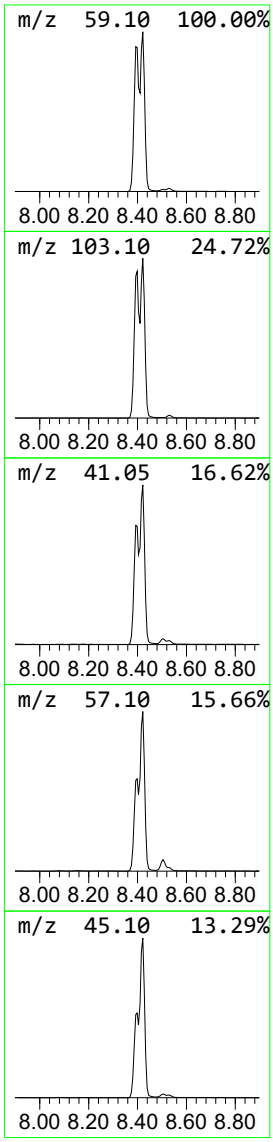
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	23.86 ng	1977270	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	83
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74
3	1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3	132739-31-2	72
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
5	Dipropylene glycol (isomer 3)	134	C6H14O3	1000506-25-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

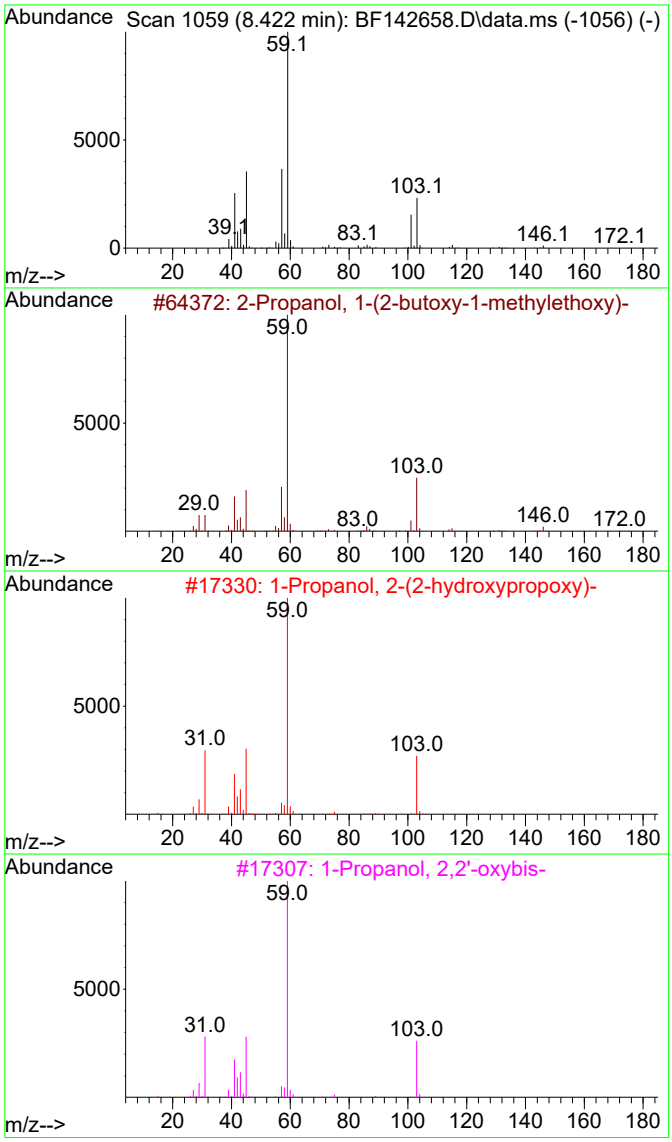
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

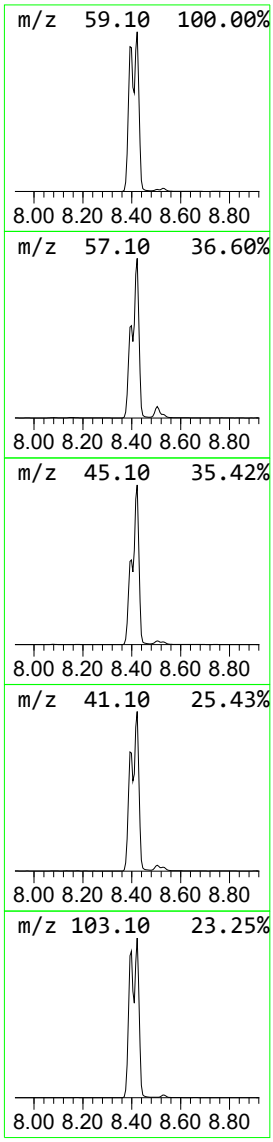
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Propanol, 2-(2-hydroxypro... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.422	29.80 ng	2469920	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	78
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72
4	Dipropylene glycol (isomer 3)	134	C6H14O3	1000506-25-5	64
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	3.6	ng	228178	1	6.892	1257510	20.0
2-Propanol, 1-b...	6.192	4.1	ng	256927	1	6.892	1257510	20.0
1-Ethyl-2-pyrro...	7.528	5.4	ng	337209	1	6.892	1257510	20.0
2-Propanol, 1-(...	8.398	23.9	ng	1977270	2	8.181	1657680	20.0
1-Propanol, 2-(...	8.422	29.8	ng	2469920	2	8.181	1657680	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Time: Jun 06 12:59:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

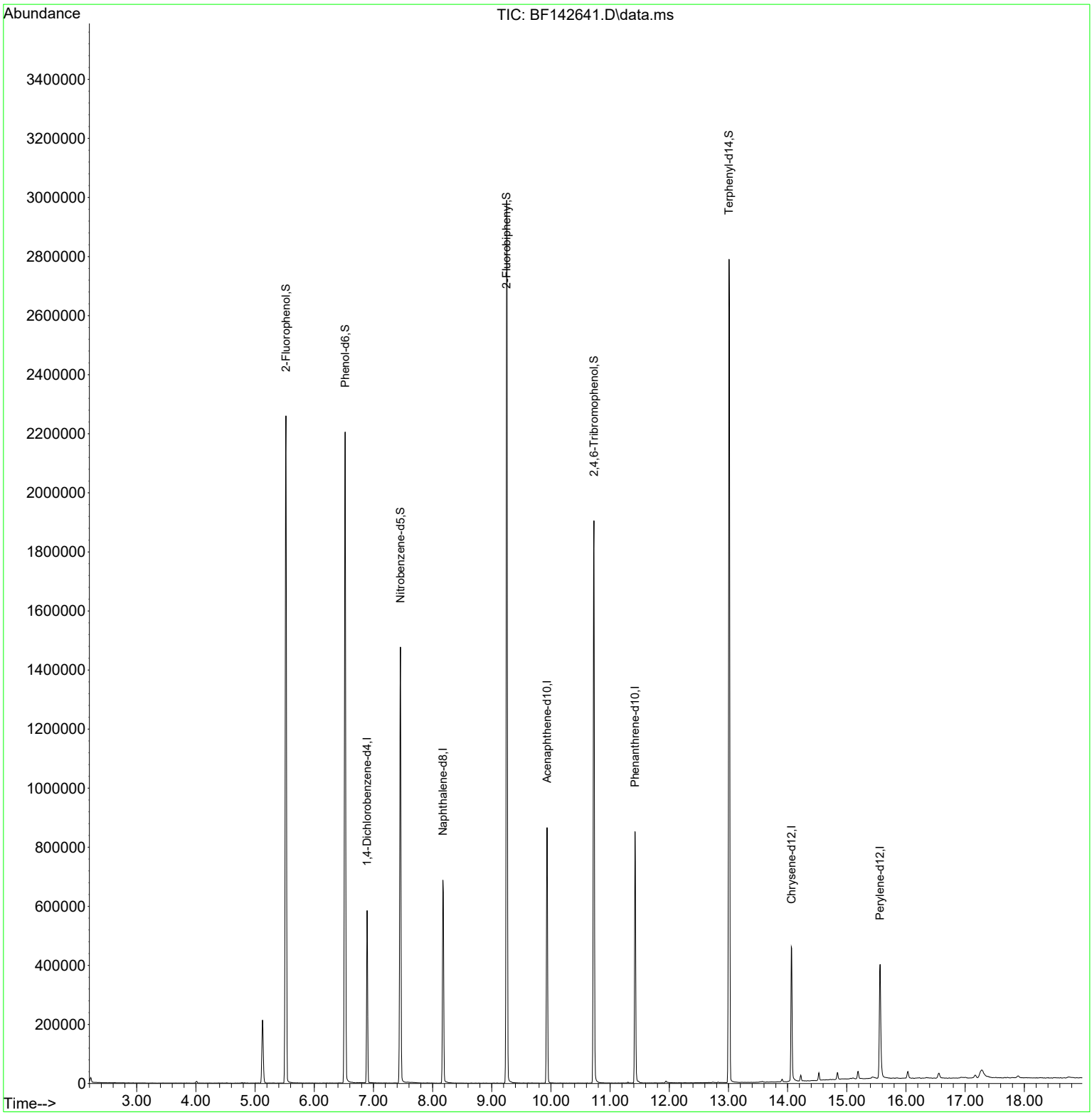
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	125991	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	479451	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	262840	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	462327	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	248067	20.000	ng	0.00
86) Perylene-d12	15.562	264	250839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	927476	124.022	ng	0.00
7) Phenol-d6	6.522	99	1134159	125.989	ng	-0.01
23) Nitrobenzene-d5	7.457	82	686957	78.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	369629	126.707	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1457548	74.411	ng	-0.02
79) Terphenyl-d14	13.010	244	1432929	78.937	ng	0.00
Target Compounds						Qvalue

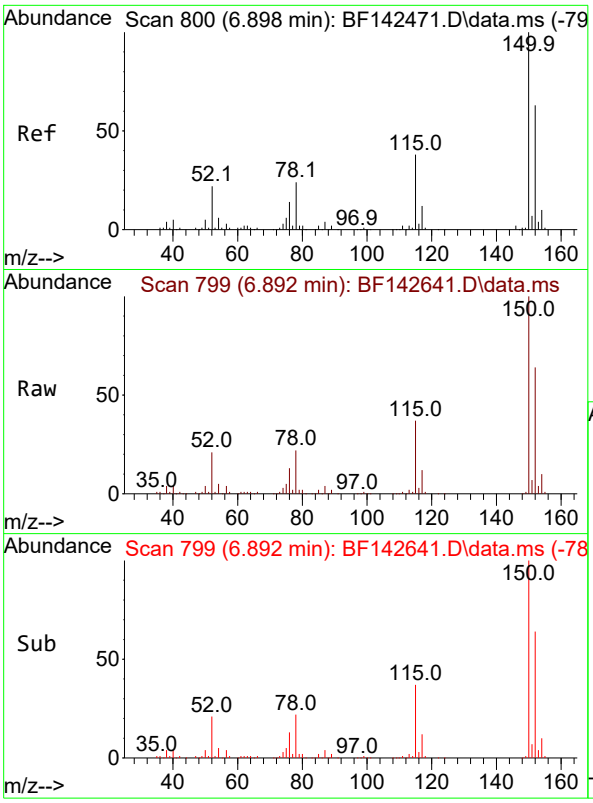
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Time: Jun 06 12:59:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



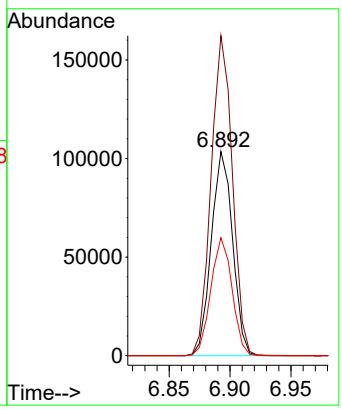


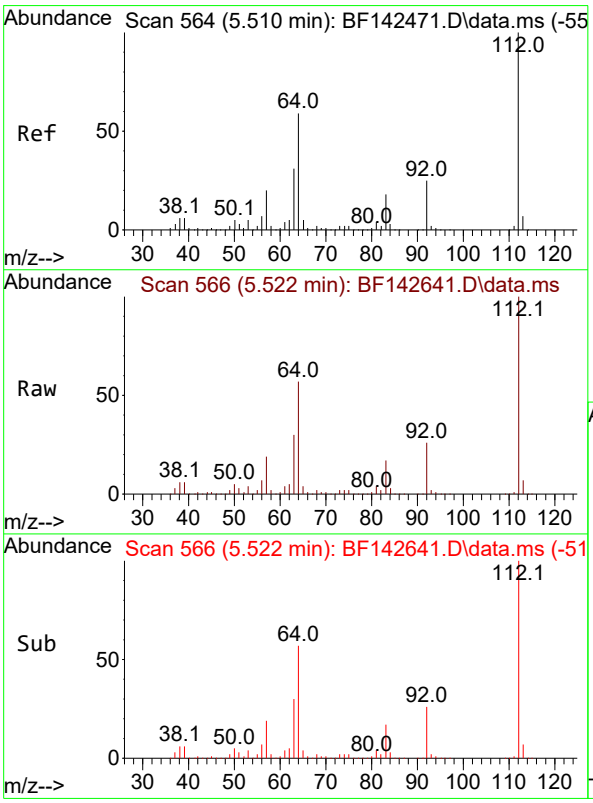
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion:152 Resp: 125991

Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.2	192.4
115	57.8	48.3	72.5

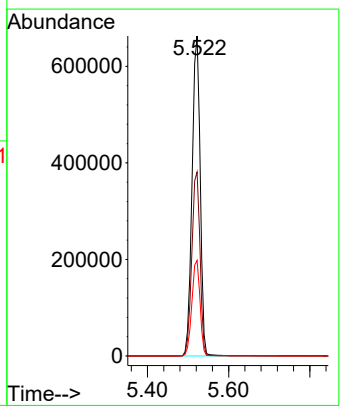


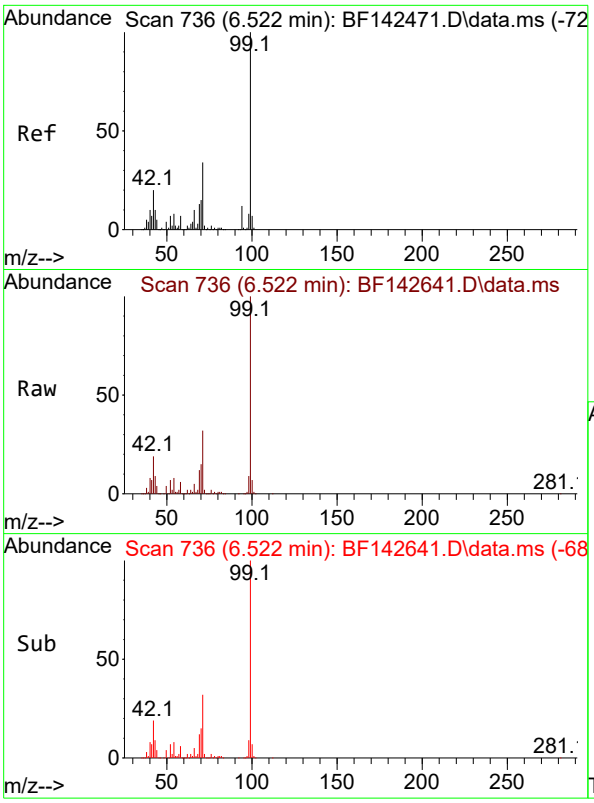


#5
2-Fluorophenol
Concen: 124.022 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:112 Resp: 927476

Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.5	71.3
63	29.8	24.9	37.3



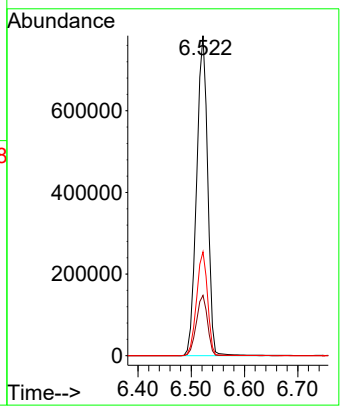


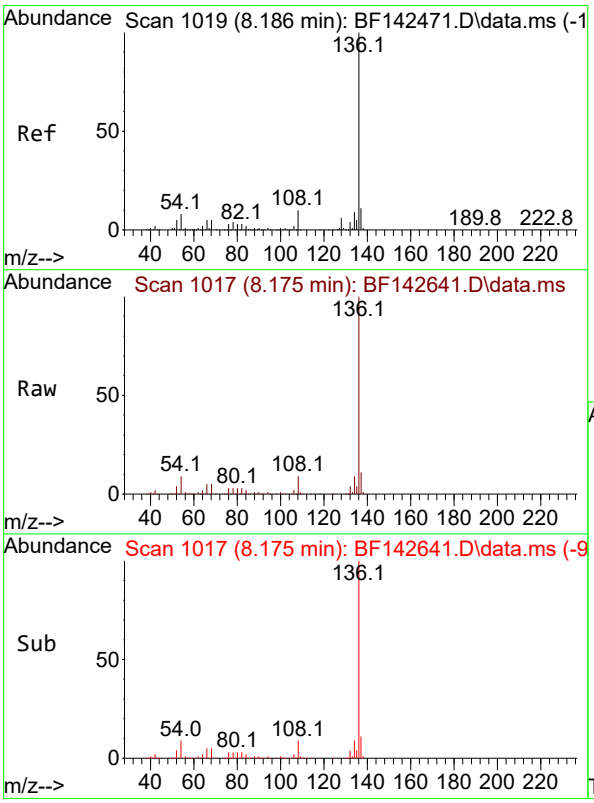
#7
Phenol-d6
Concen: 125.989 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion: 99 Resp: 1134159

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.2	24.2
71	32.5	27.3	40.9

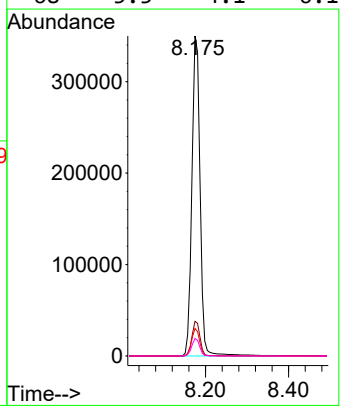


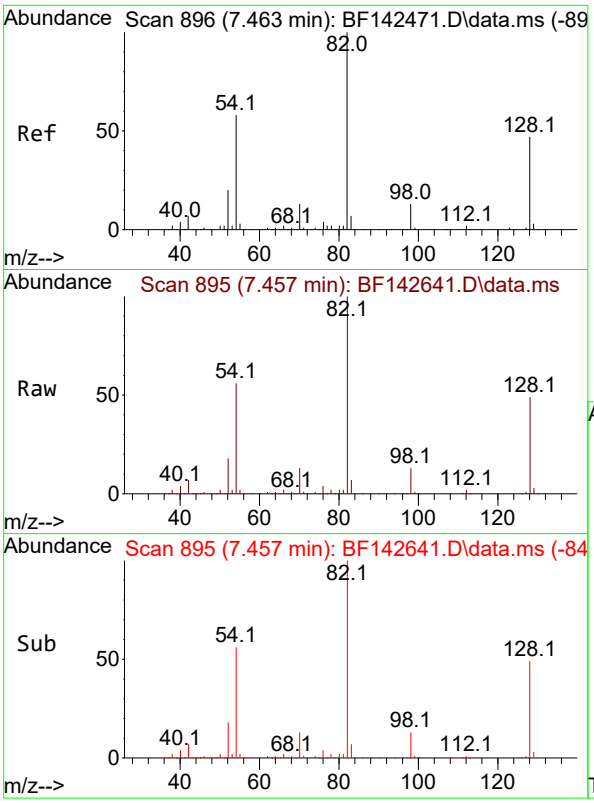


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:136 Resp: 479451

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1



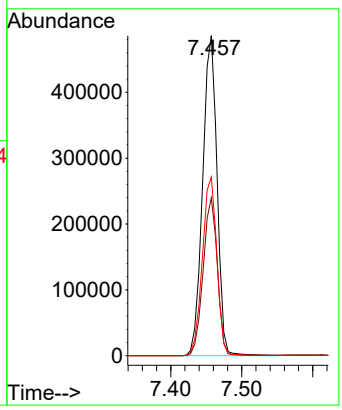


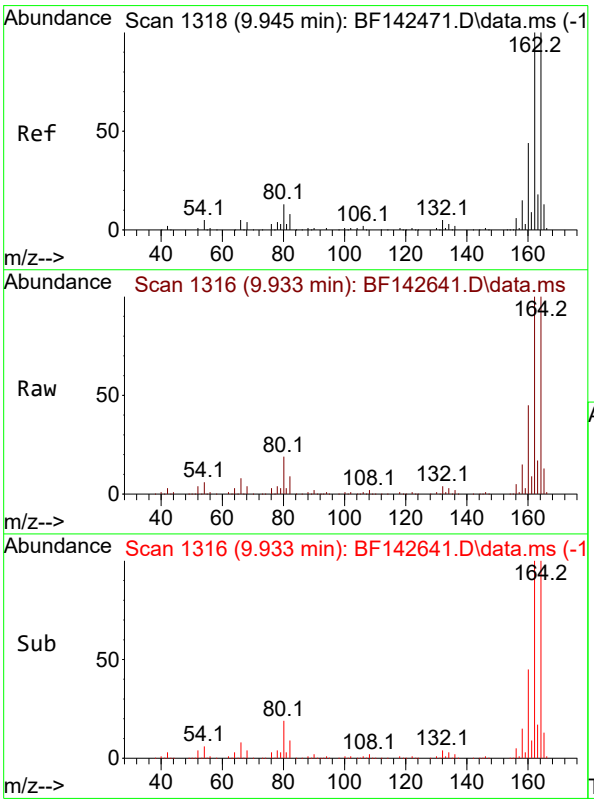
#23
Nitrobenzene-d5
Concen: 78.129 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion: 82 Resp: 686957

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.4	56.2
54	55.9	46.6	70.0

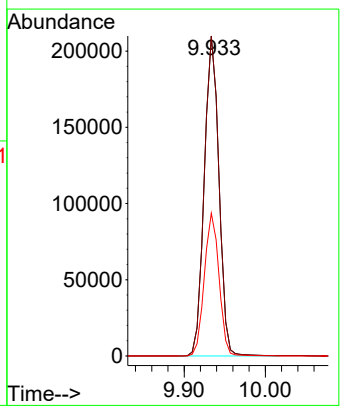


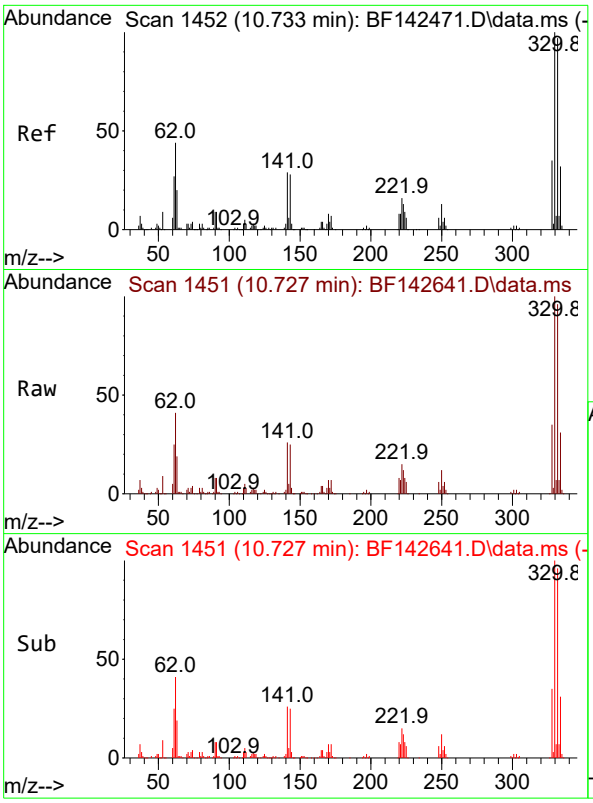


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:164 Resp: 262840

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	44.7	35.6	53.4



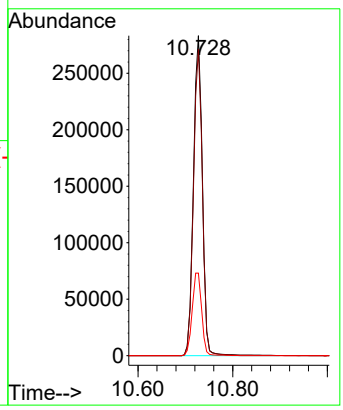


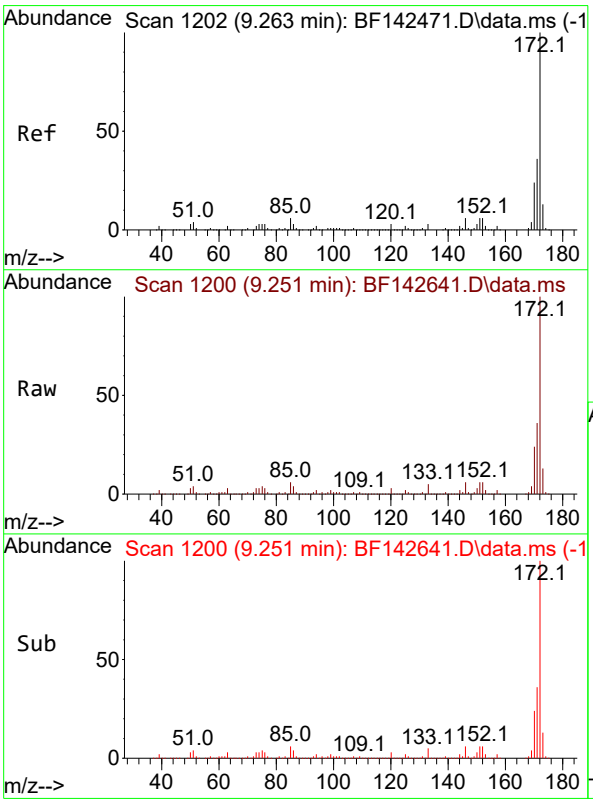
#42
2,4,6-Tribromophenol
Concen: 126.707 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion:330 Resp: 369629

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	27.4	24.6	36.8

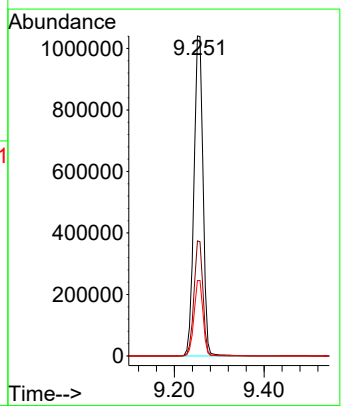


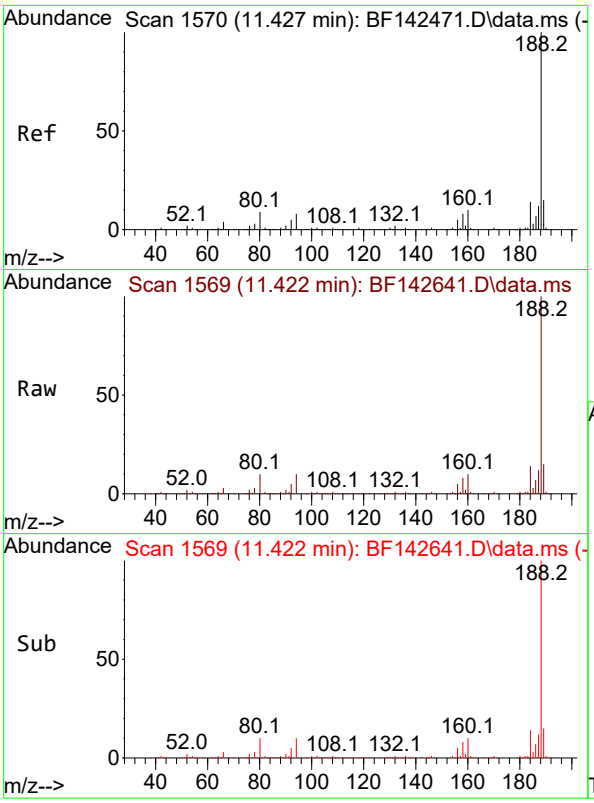


#45
2-Fluorobiphenyl
Concen: 74.411 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:172 Resp: 1457548

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	23.6	18.9	28.3



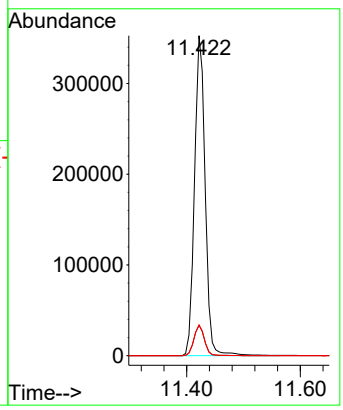


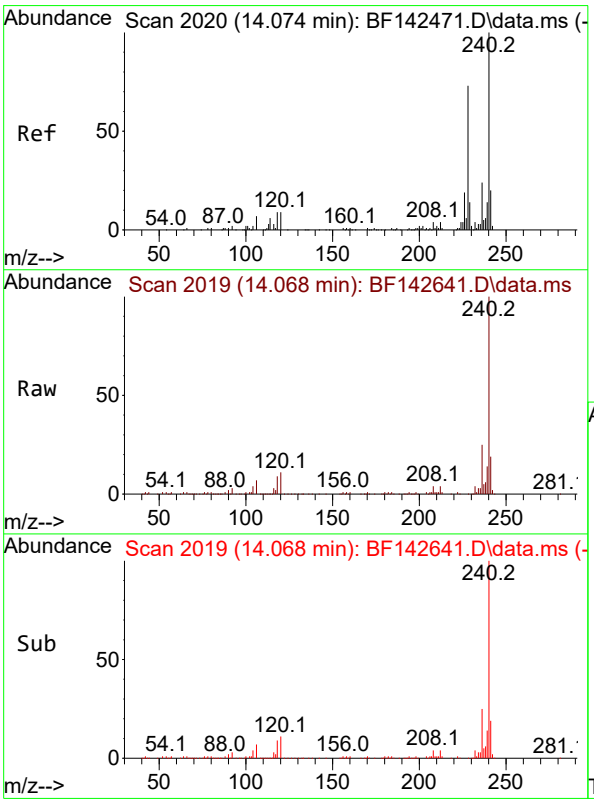
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion:188 Resp: 462327

Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.6	10.0
80	9.6	7.4	11.0

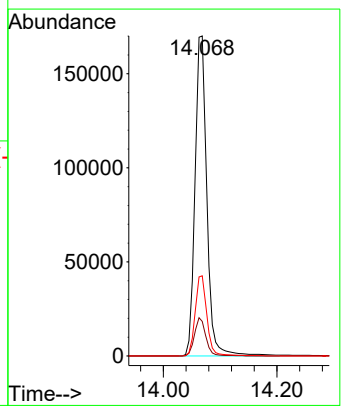


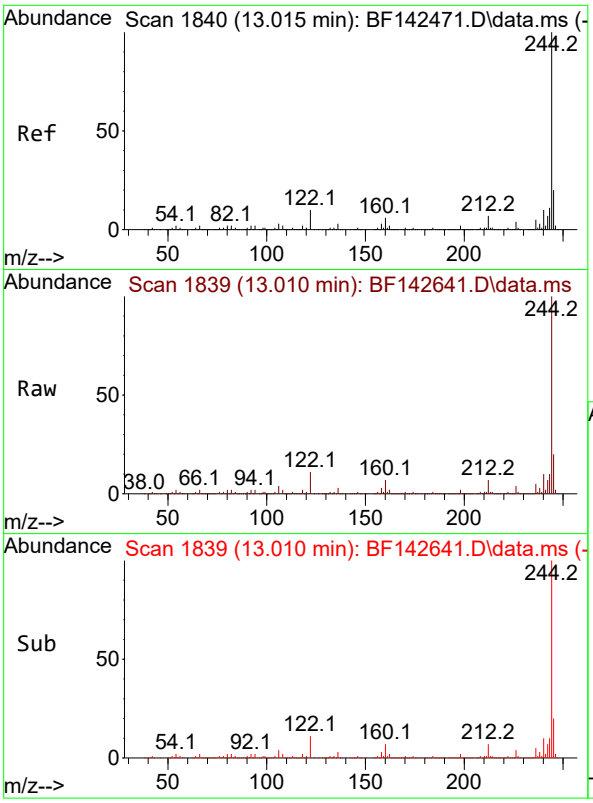


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:240 Resp: 248067

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.5	11.3
236	25.0	19.6	29.4



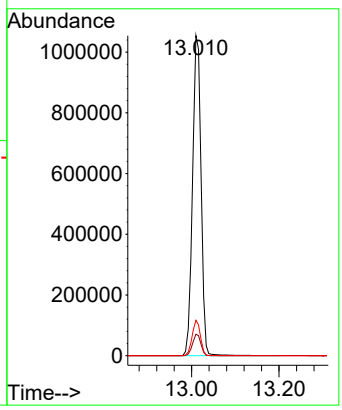


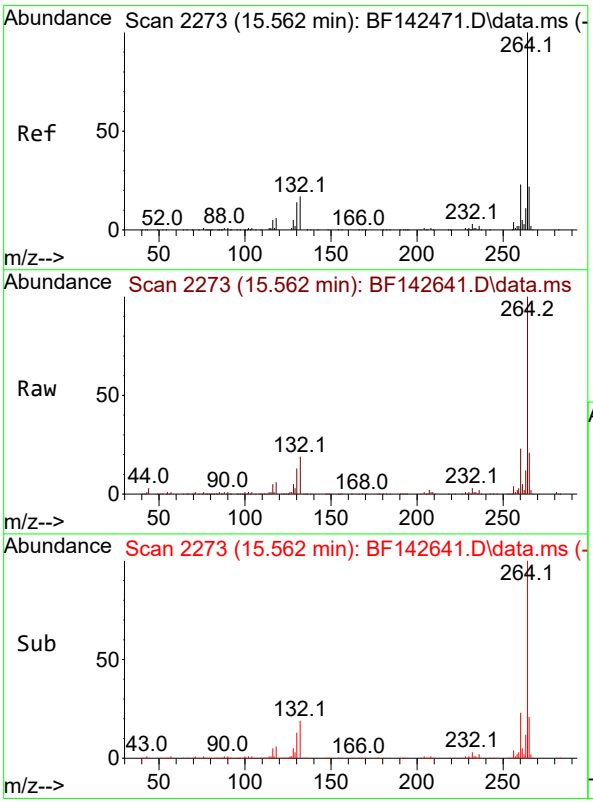
#79
Terphenyl-d14
Concen: 78.937 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Tgt Ion:244 Resp: 1432929

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	8.2	12.2

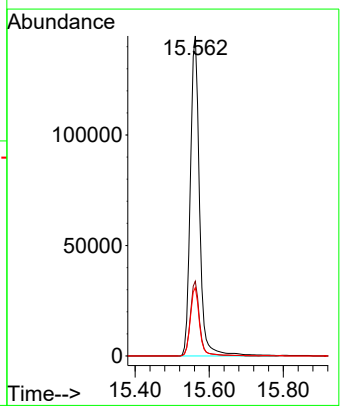




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:264 Resp: 250839

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.3	17.7	26.5



Sample Results: **BF142641.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142641.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	492	499	513	rBV	212762	356201	8.71%	1.459%
2	5.522	559	566	571	rBV	2259297	3155875	77.17%	12.927%
3	6.522	729	736	741	rBV	2204511	3165286	77.40%	12.966%
4	6.892	794	799	804	rBV	583393	707450	17.30%	2.898%
5	7.457	888	895	900	rBV	1476665	2070019	50.62%	8.479%
6	8.175	1011	1017	1025	rBV	687405	916115	22.40%	3.753%
7	9.251	1194	1200	1206	rBV	2989585	4089634	100.00%	16.752%
8	9.933	1310	1316	1328	rBV	865161	1079678	26.40%	4.423%
9	10.728	1445	1451	1470	rBV	1904440	2572453	62.90%	10.538%
10	11.422	1564	1569	1577	rBV	850886	1094893	26.77%	4.485%
11	13.010	1833	1839	1845	rBV	2788055	3724936	91.08%	15.258%
12	14.063	2013	2018	2035	rVB	453758	651967	15.94%	2.671%
13	15.562	2266	2273	2292	rBV	384811	685331	16.76%	2.807%
14	16.033	2347	2353	2364	rVB	23181	44562	1.09%	0.183%
15	17.280	2556	2565	2581	rBV2	22524	97910	2.39%	0.401%

Sum of corrected areas: 24412310

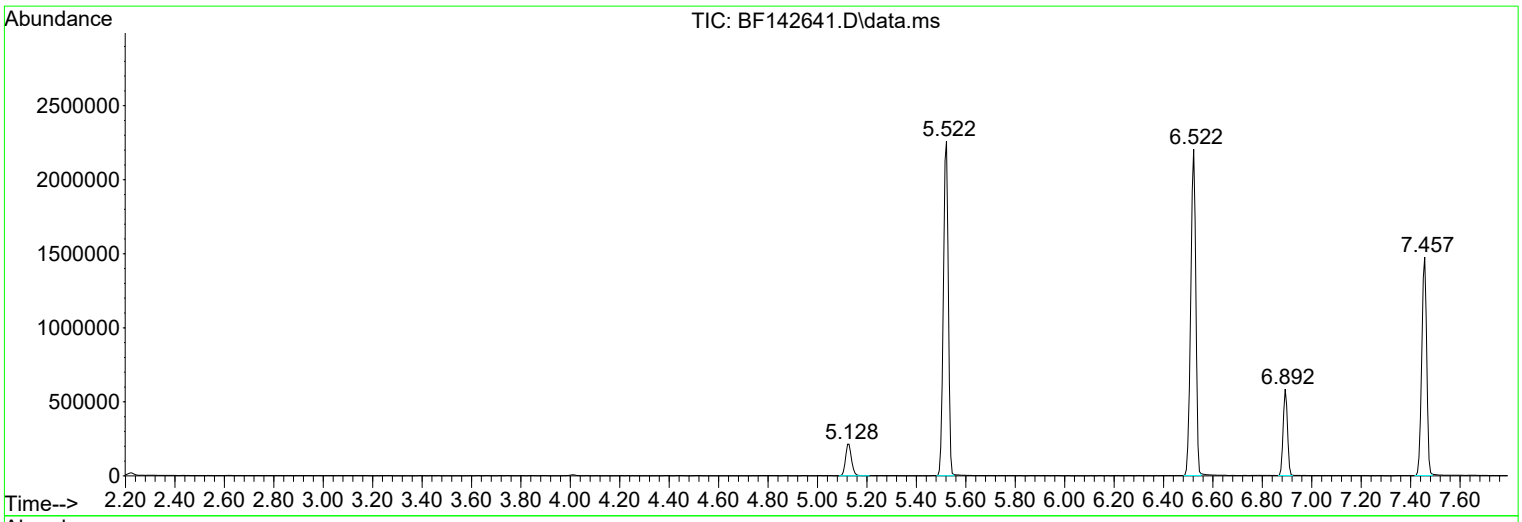
Sample Results: **BF142641.D**

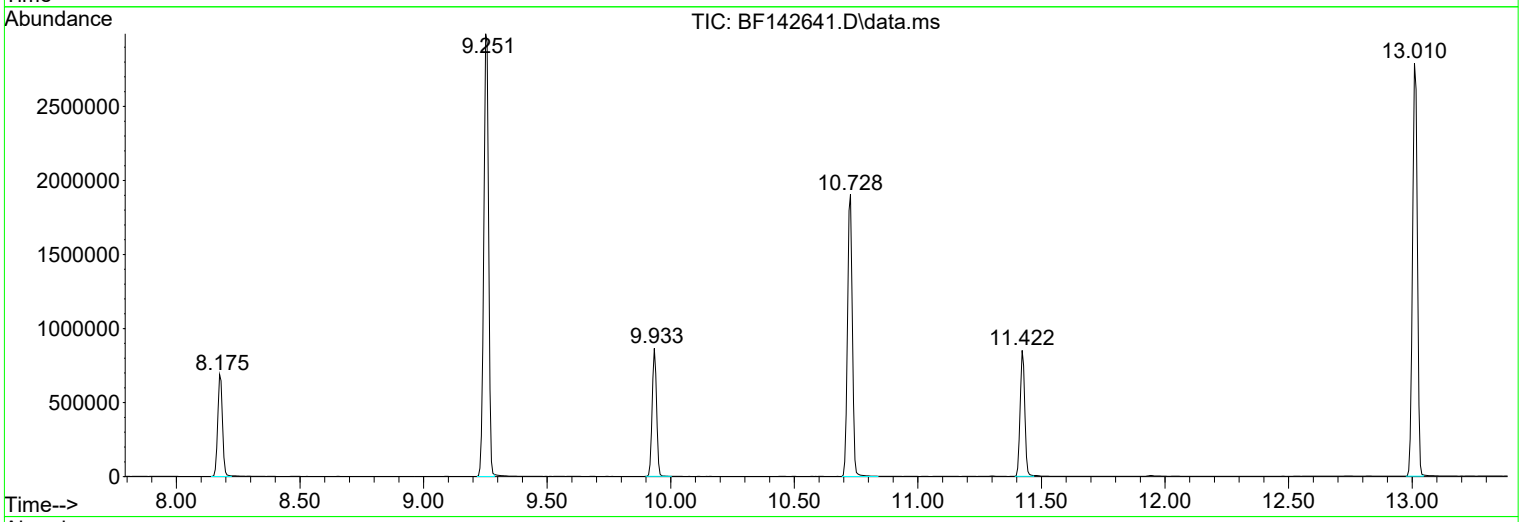
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

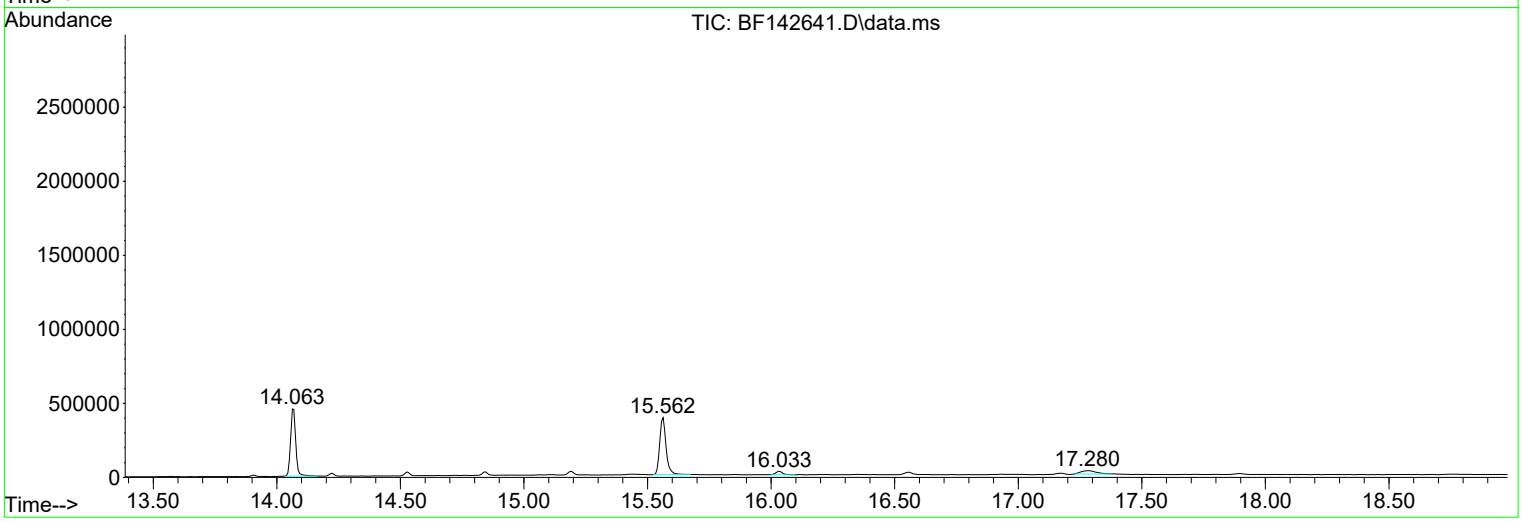
Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

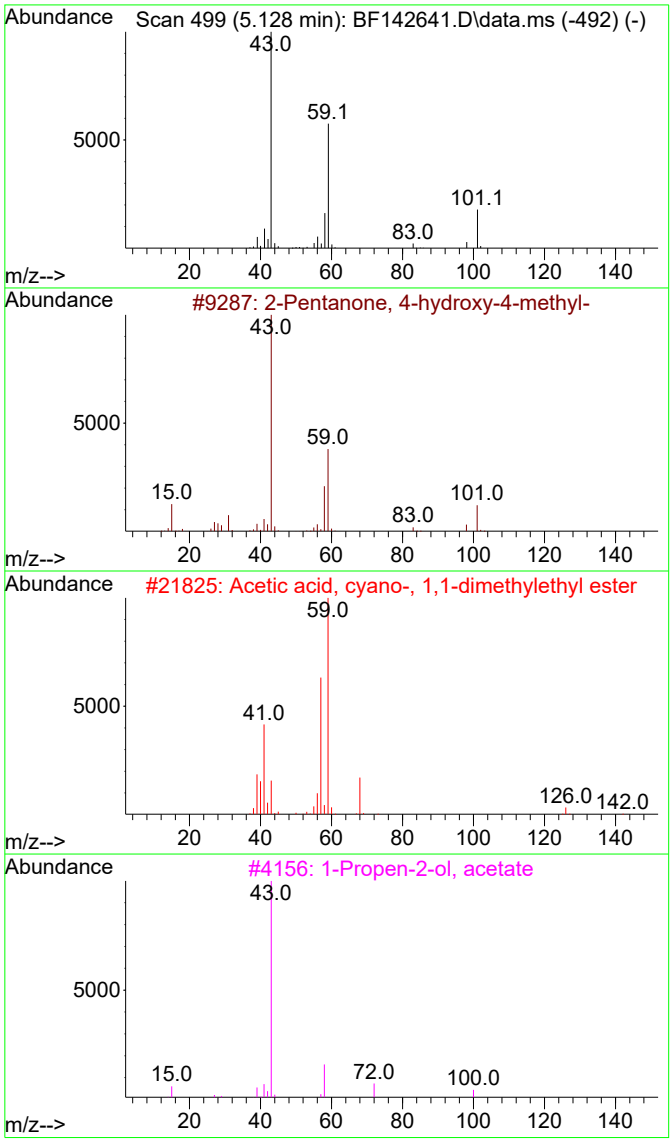
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

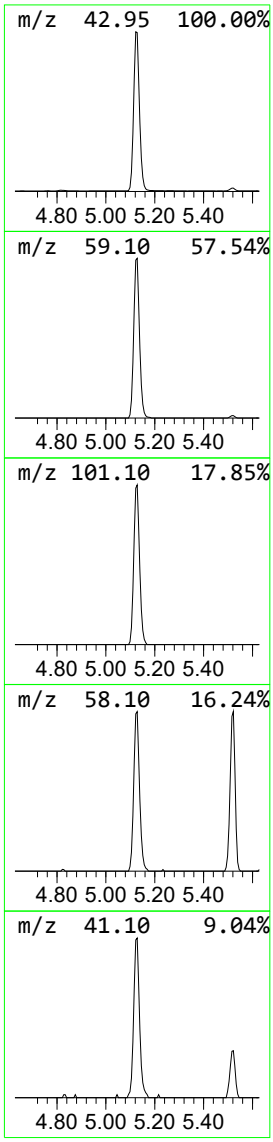
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	10.07 ng	356201	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On    : 06 Jun 2025  12:06
Operator  : RC/JU
Sample    : PB168259BL
Misc      :
ALS Vial  : 3   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

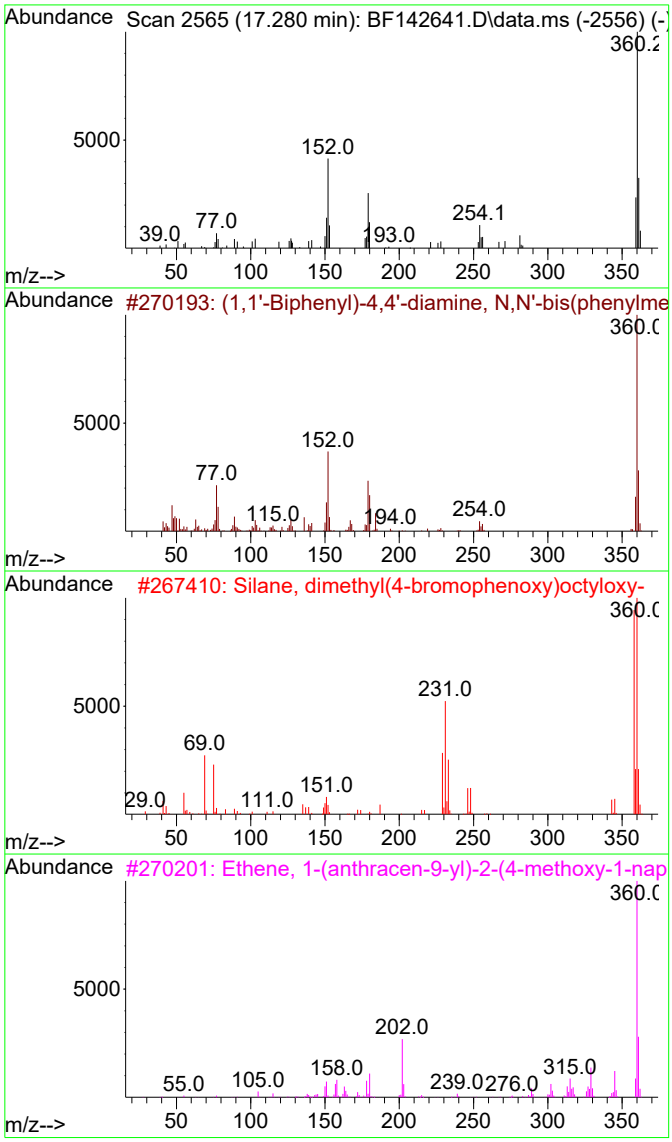
Instrument :
BNA_F
ClientSampleId :
PB168259BL

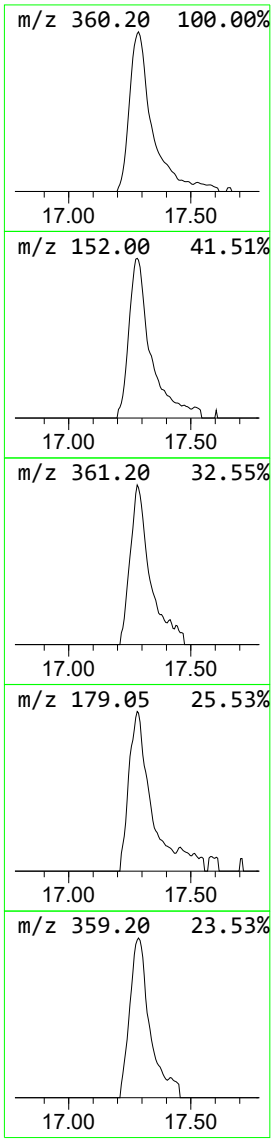
****

Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.280	2.86 ng	97910	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	Silane, dimethyl(4-bromophenoxy)...	358	C16H27BrO2Si	1000347-11-2	47
3	Ethene, 1-(anthracen-9-yl)-2-(4-...	360	C27H20O	1000163-55-1	43
4	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	43
5	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	10.1	ng	356201	1	6.892	707450	20.0
(1,1'-Biphenyl)...	17.280	2.9	ng	97910	6	15.563	685331	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Time: Jun 05 11:35:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

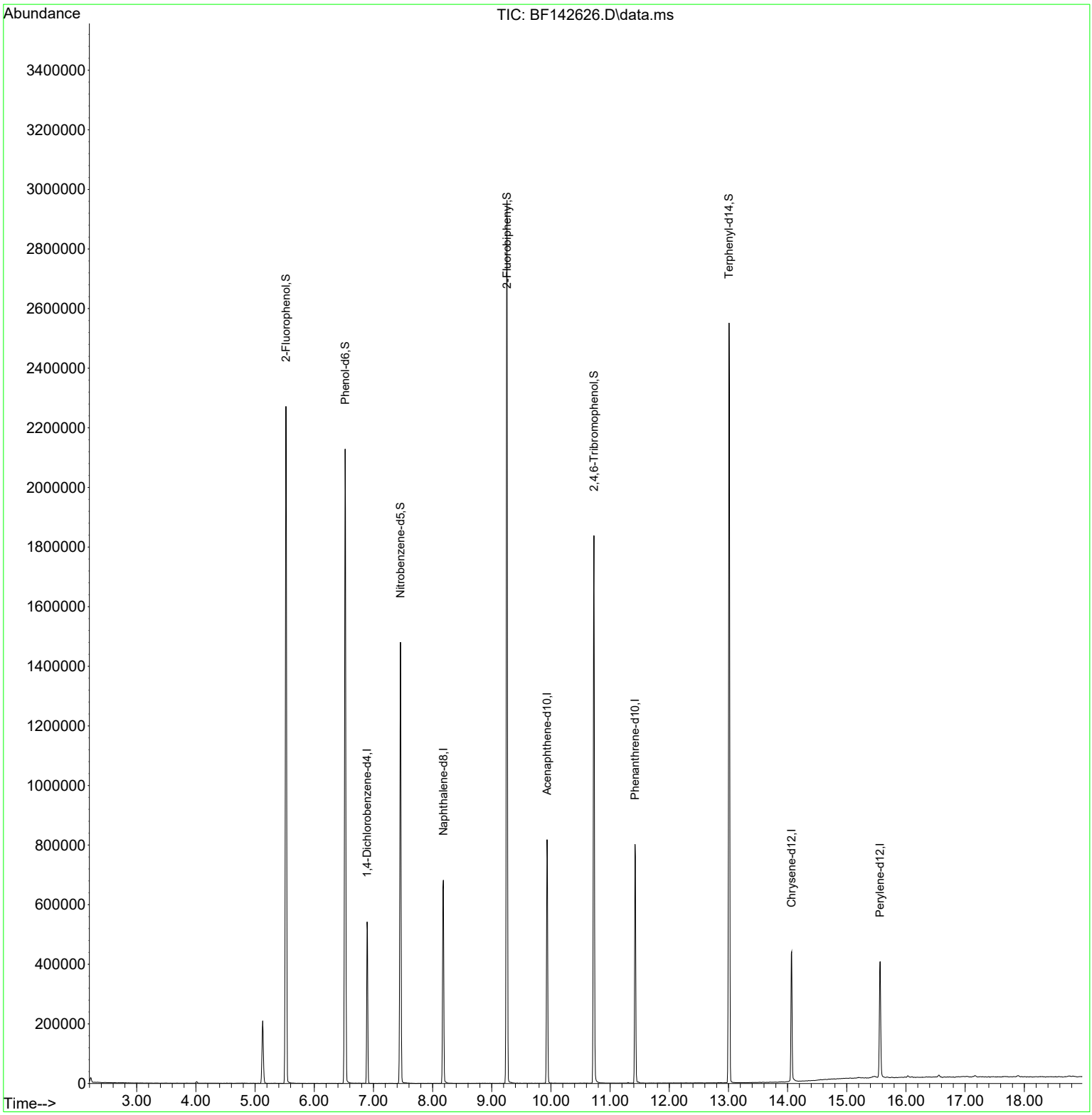
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	122182	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	466755	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	253840	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	433273	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	225137	20.000	ng	0.00
86) Perylene-d12	15.562	264	234045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	907955	125.197	ng	0.00
7) Phenol-d6	6.522	99	1081644	123.901	ng	-0.01
23) Nitrobenzene-d5	7.457	82	672397	78.553	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	344627	122.325	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1422364	75.190	ng	-0.01
79) Terphenyl-d14	13.010	244	1286910	78.113	ng	0.00
Target Compounds						Qvalue

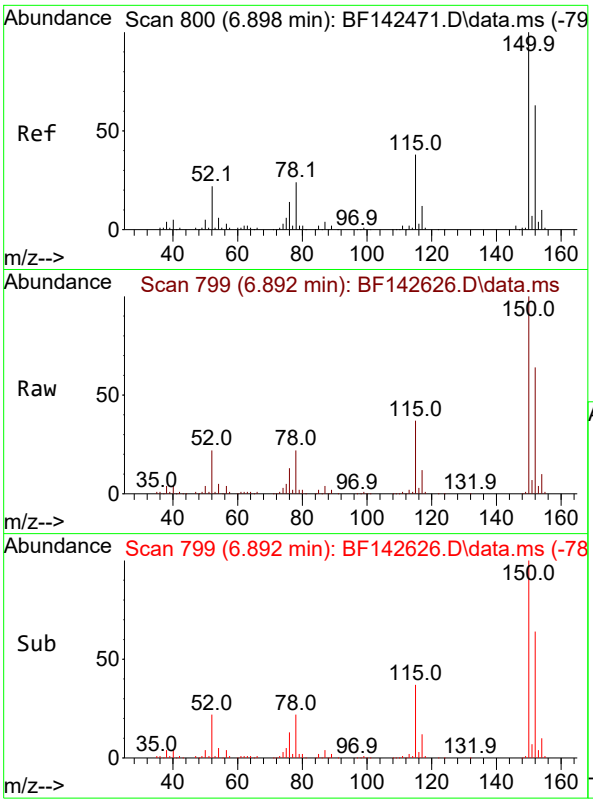
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Time: Jun 05 11:35:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



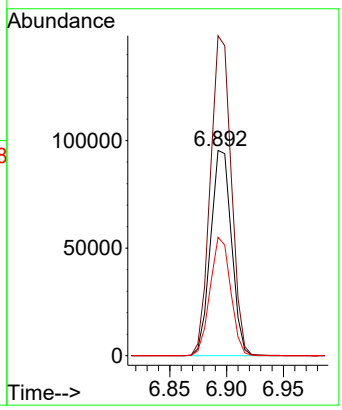


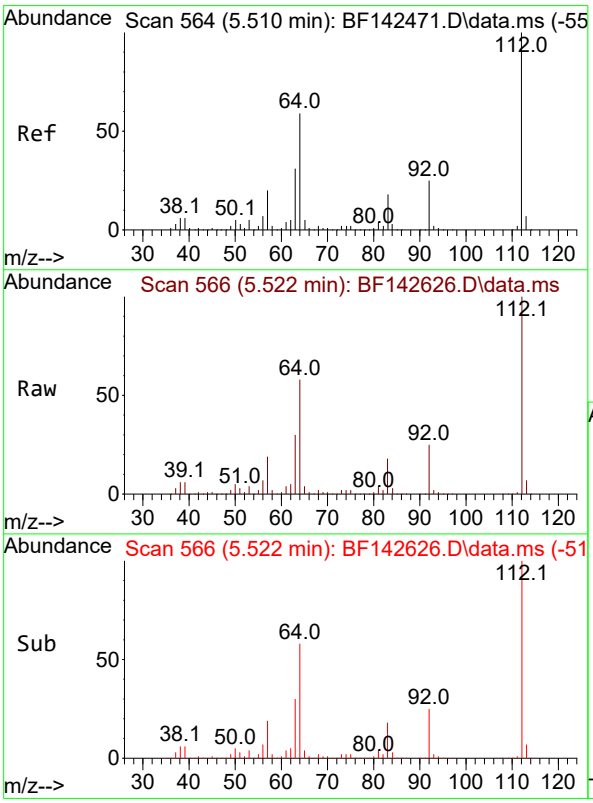
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion:152 Resp: 122182

Ion	Ratio	Lower	Upper
152	100		
150	155.9	128.2	192.4
115	57.7	48.3	72.5

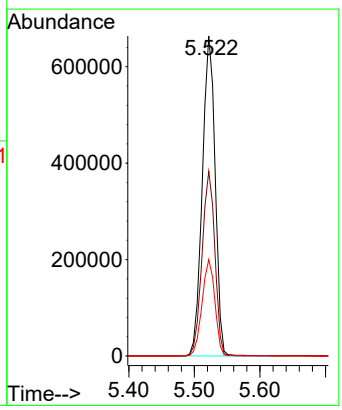


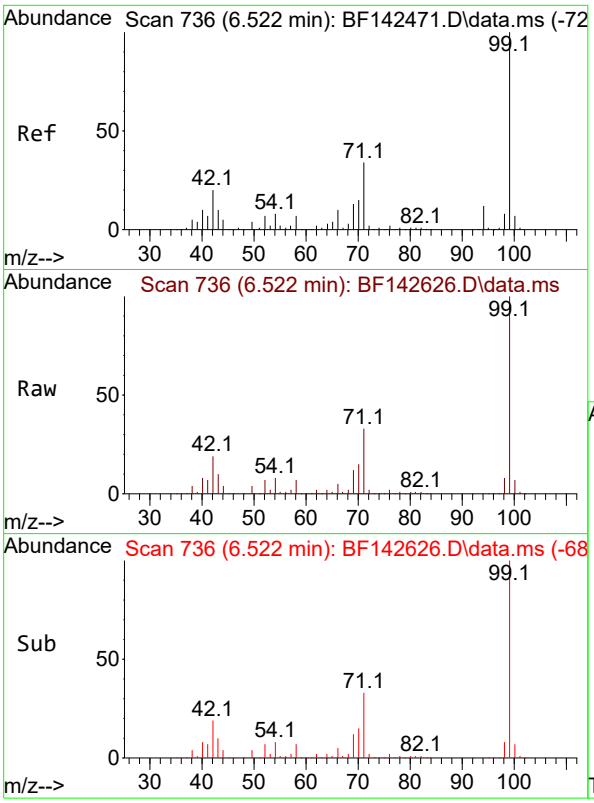


#5
2-Fluorophenol
Concen: 125.197 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:112 Resp: 907955

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.5	71.3
63	30.1	24.9	37.3



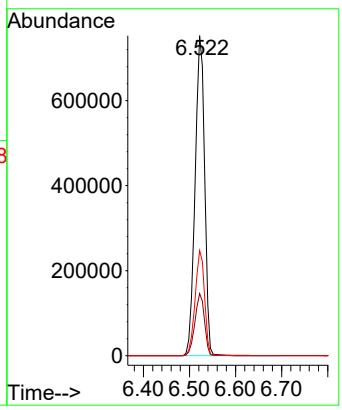


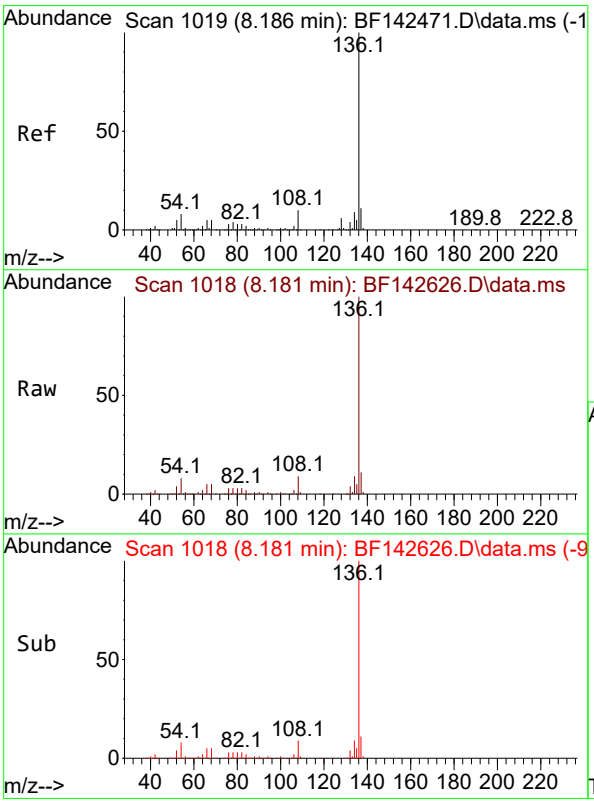
#7
Phenol-d6
Concen: 123.901 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion: 99 Resp: 1081644

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	32.9	27.3	40.9

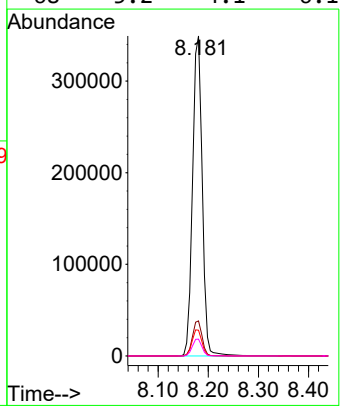


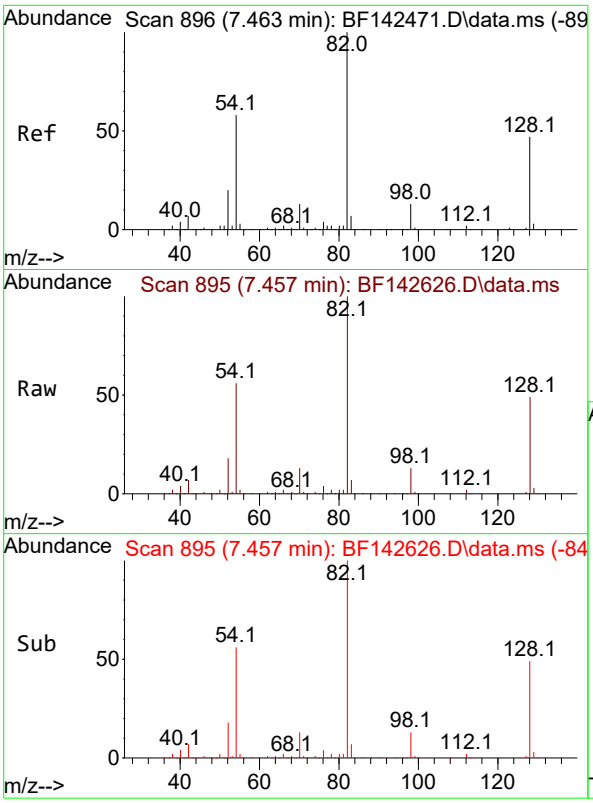


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:136 Resp: 466755

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.1	6.6	10.0
68	5.2	4.1	6.1



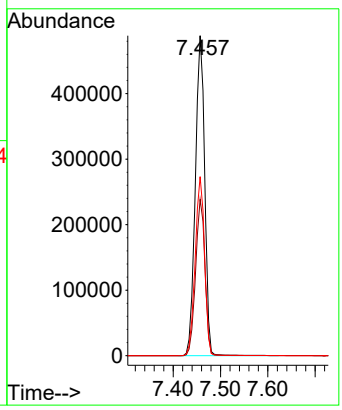


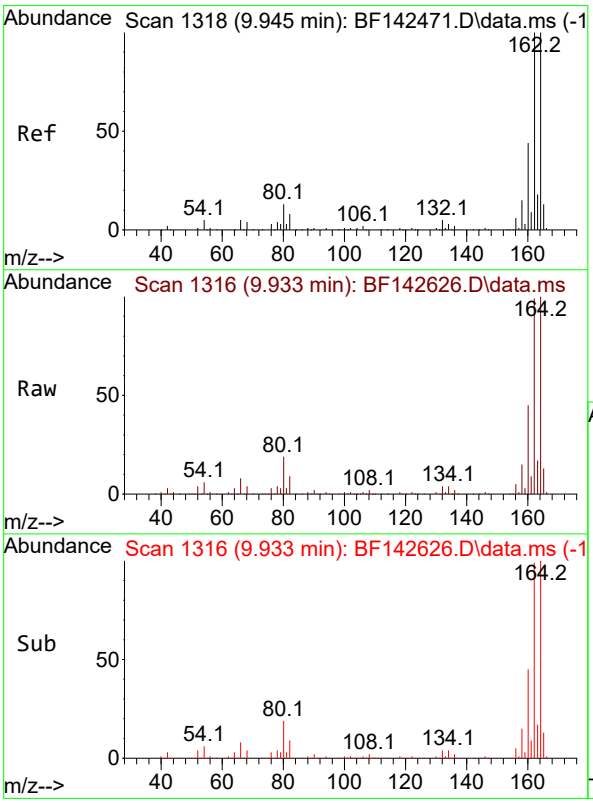
#23
Nitrobenzene-d5
Concen: 78.553 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion: 82 Resp: 672397

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.2
54	55.9	46.6	70.0

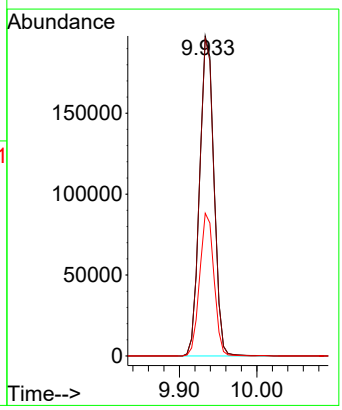


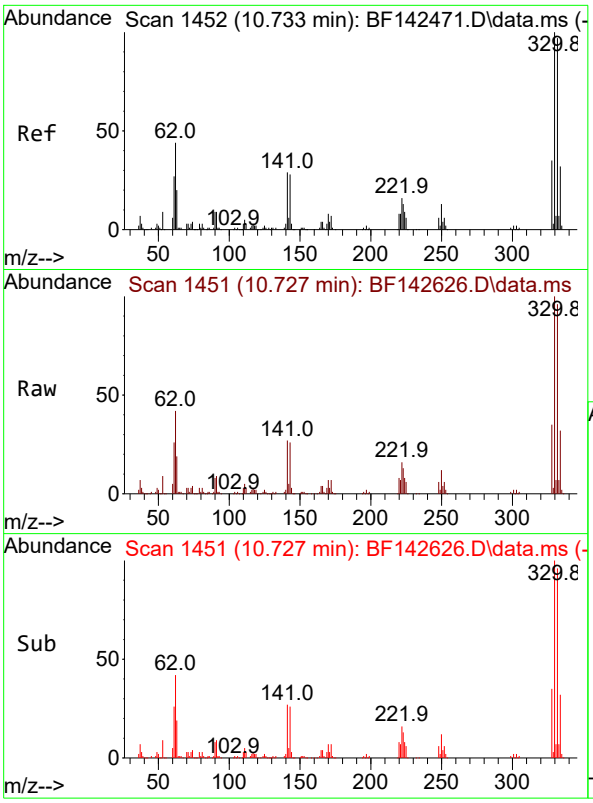


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:164 Resp: 253840

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	44.6	35.6	53.4



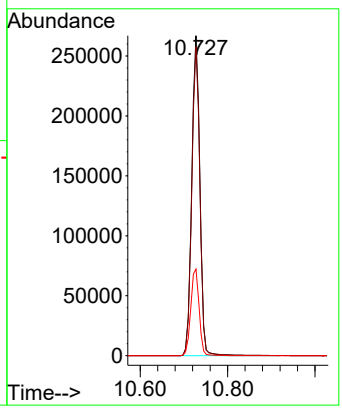


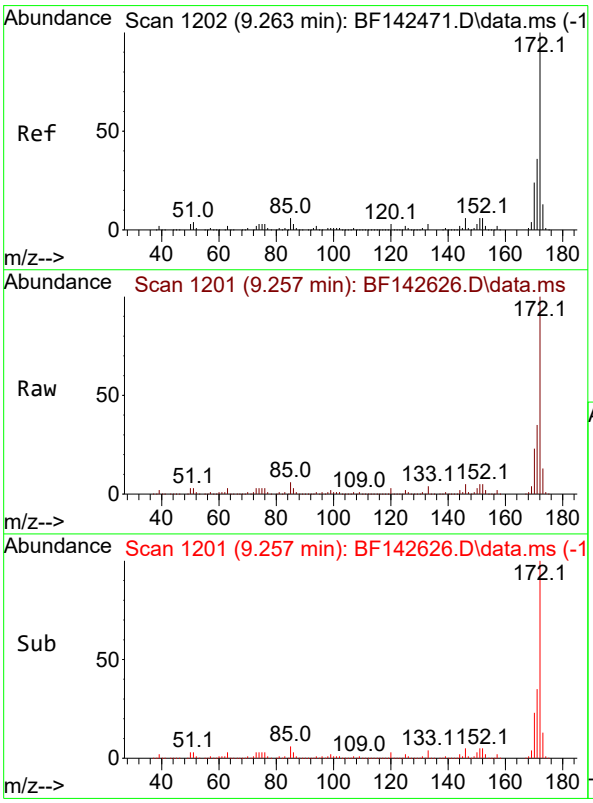
#42
2,4,6-Tribromophenol
Concen: 122.325 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion:330 Resp: 344627

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.6	116.4
141	27.9	24.6	36.8

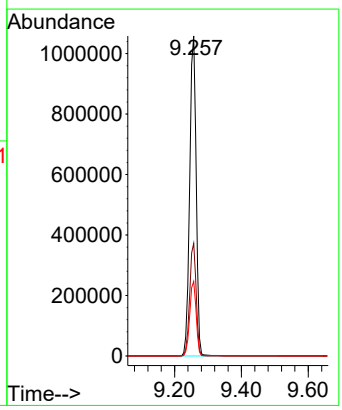


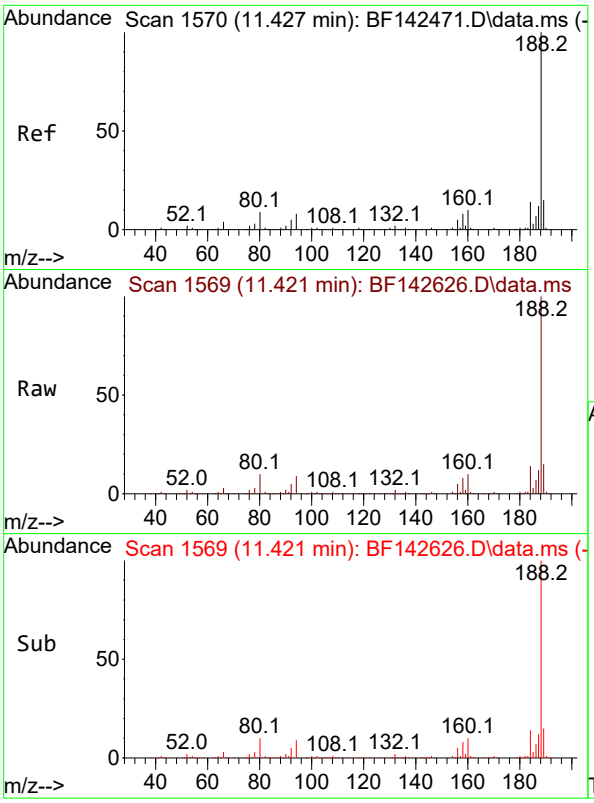


#45
2-Fluorobiphenyl
Concen: 75.190 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:172 Resp: 1422364

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.3	18.9	28.3



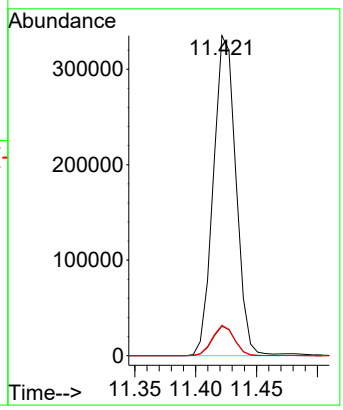


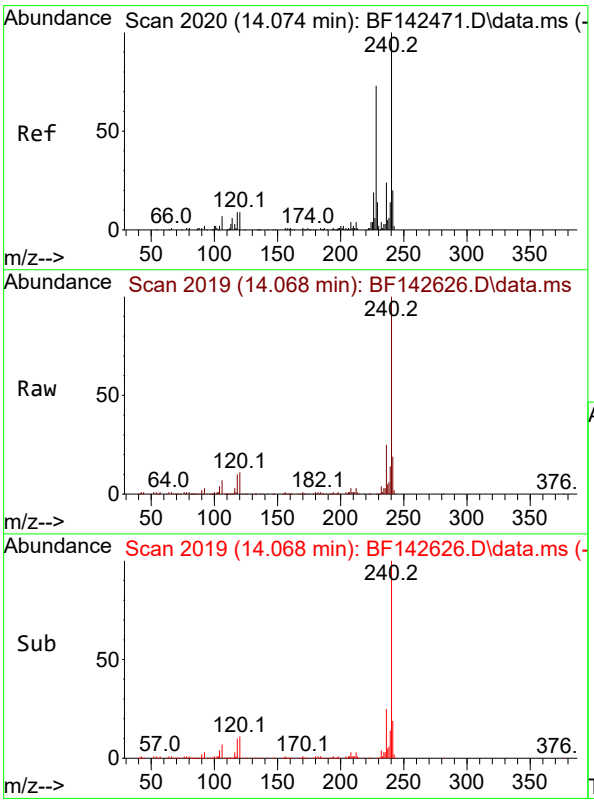
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion:188 Resp: 433273

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.5	7.4	11.0

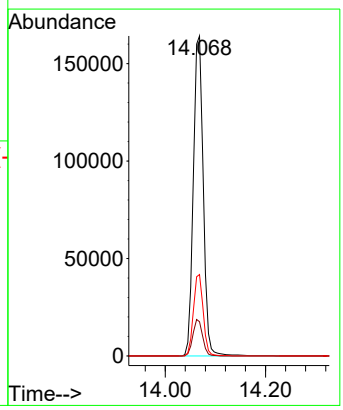


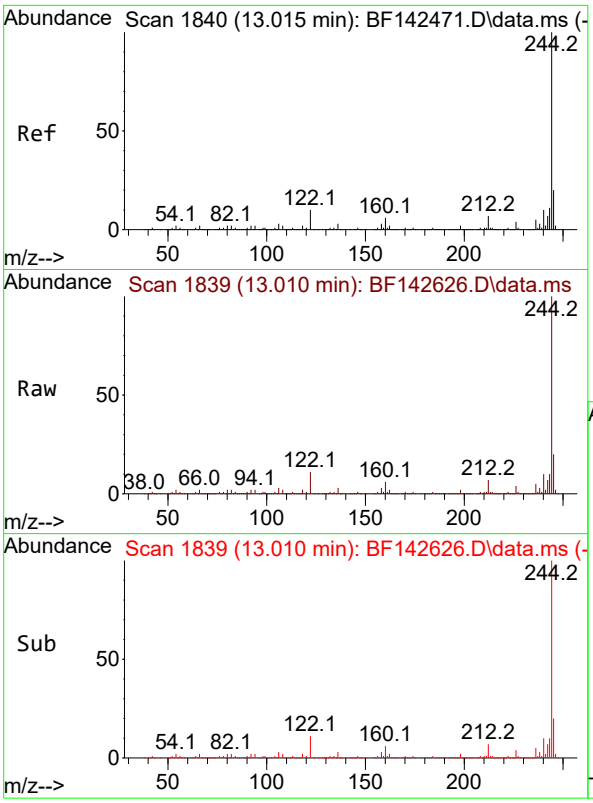


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:240 Resp: 225137

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.5	11.3
236	25.5	19.6	29.4



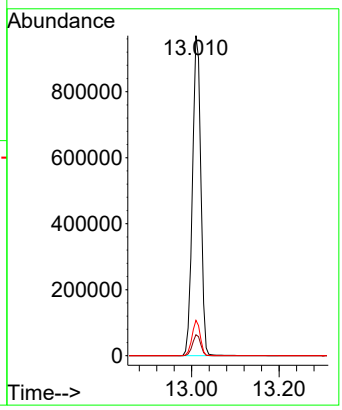


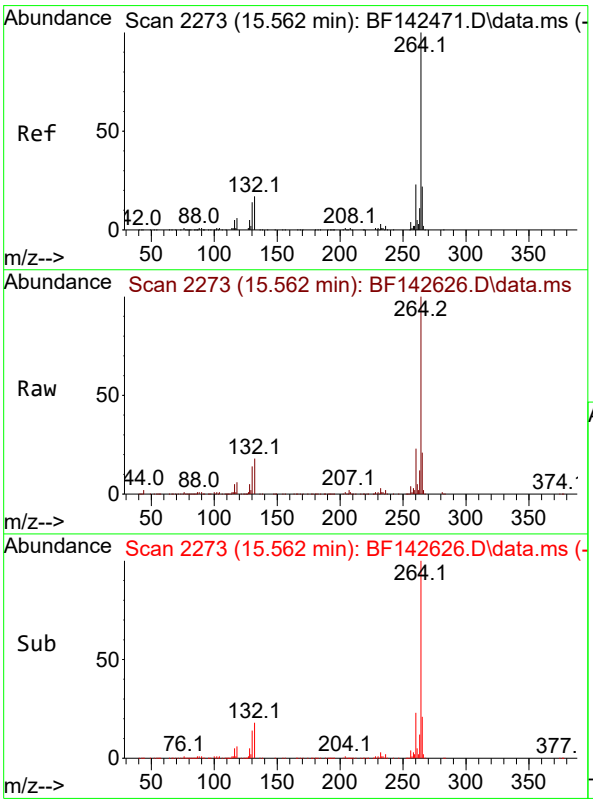
#79
Terphenyl-d14
Concen: 78.113 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Tgt Ion:244 Resp: 1286910

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	8.2	12.2

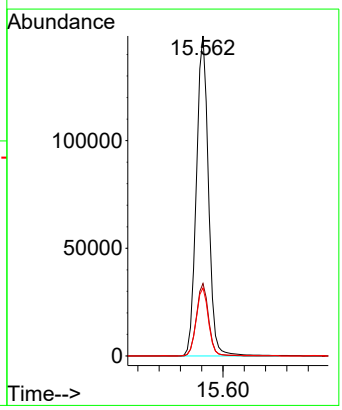




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:264 Resp: 234045

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.2	17.7	26.5



Sample Results: **BF142626.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142626.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	492	499	509	rBV	209595	338476	8.53%	1.465%
2	5.522	559	566	571	rBV	2271570	3086845	77.83%	13.358%
3	6.522	729	736	741	rBV	2128452	3043429	76.74%	13.170%
4	6.892	794	799	805	rBV	541774	681009	17.17%	2.947%
5	7.457	888	895	900	rBV	1480052	2025064	51.06%	8.764%
6	8.181	1012	1018	1033	rBV	681820	907366	22.88%	3.927%
7	9.257	1194	1201	1206	rBV	2963129	3965900	100.00%	17.163%
8	9.933	1311	1316	1327	rBV	817428	1042216	26.28%	4.510%
9	10.727	1445	1451	1471	rBV	1837266	2414649	60.89%	10.449%
10	11.421	1564	1569	1577	rBV	800851	1030686	25.99%	4.460%
11	13.010	1833	1839	1844	rBV	2549333	3343061	84.30%	14.467%
12	14.068	2011	2019	2033	rBV	434578	611688	15.42%	2.647%
13	15.562	2267	2273	2288	rVB	389081	617537	15.57%	2.672%

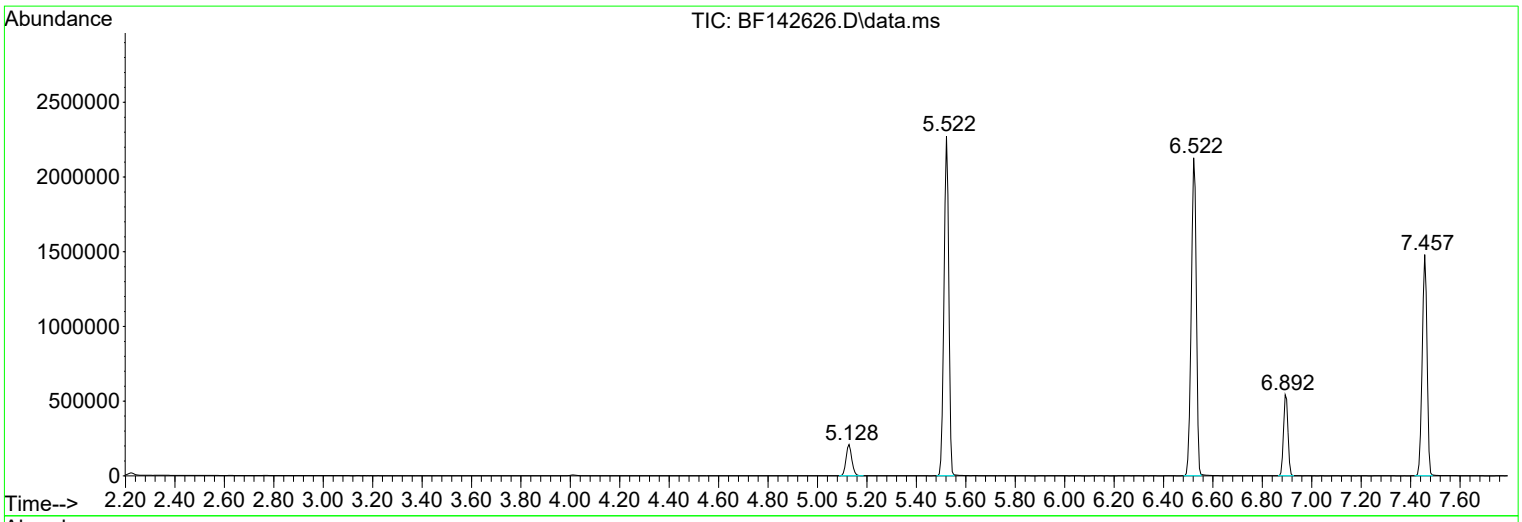
Sum of corrected areas: 23107926

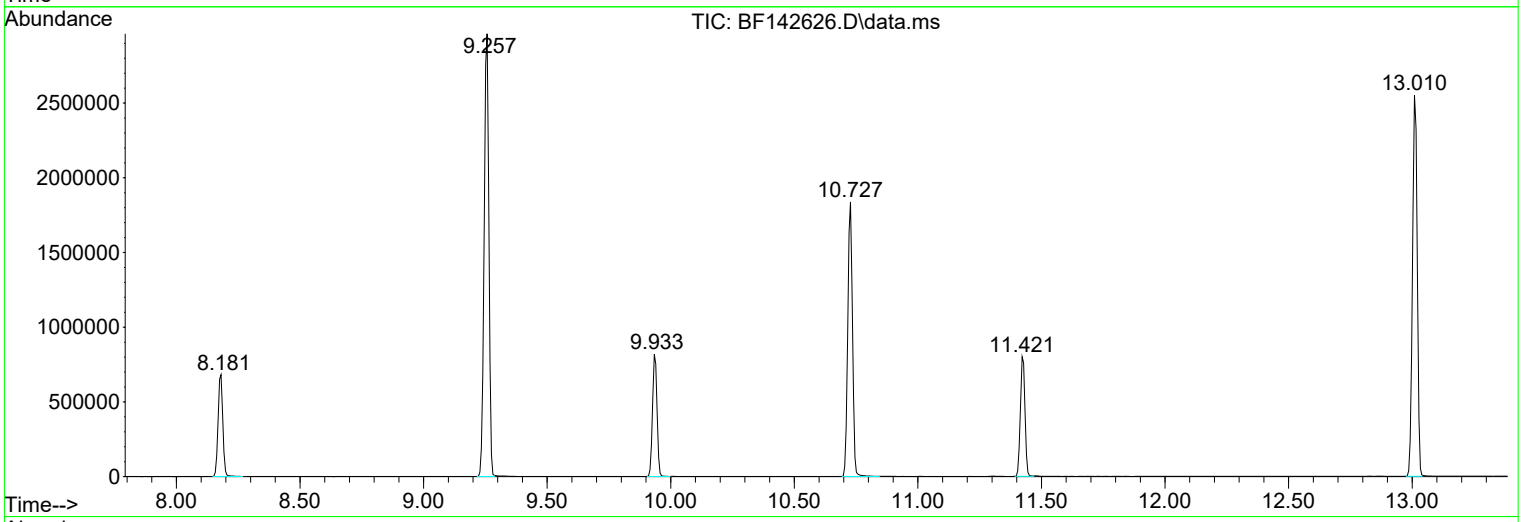
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

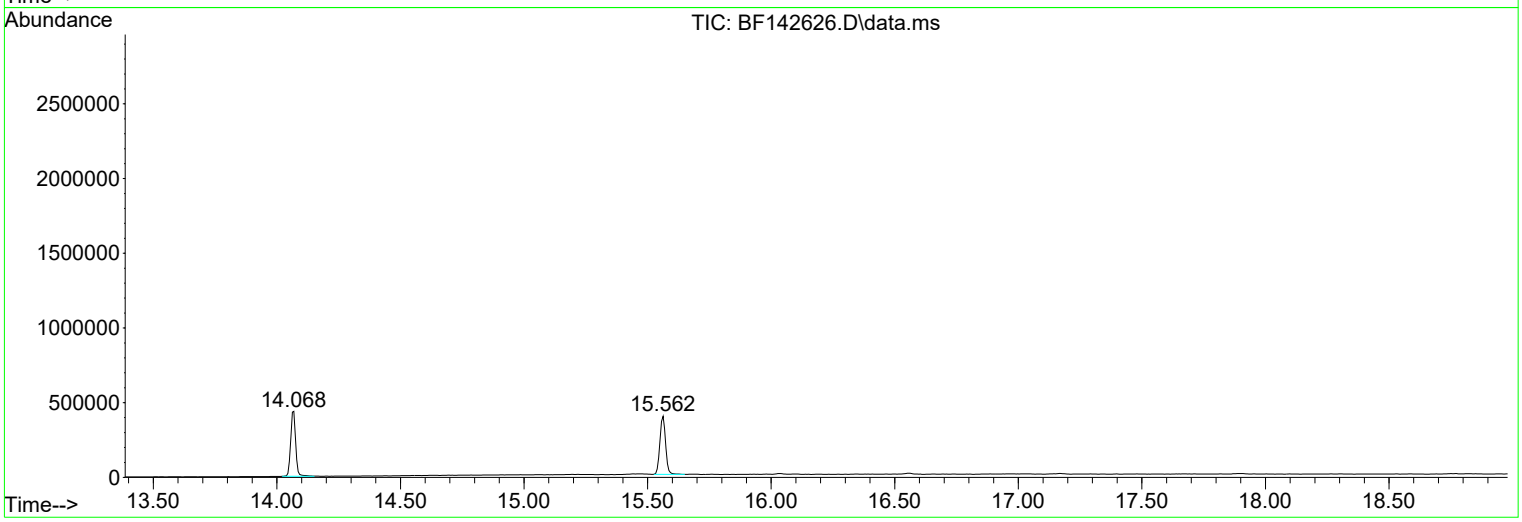
Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

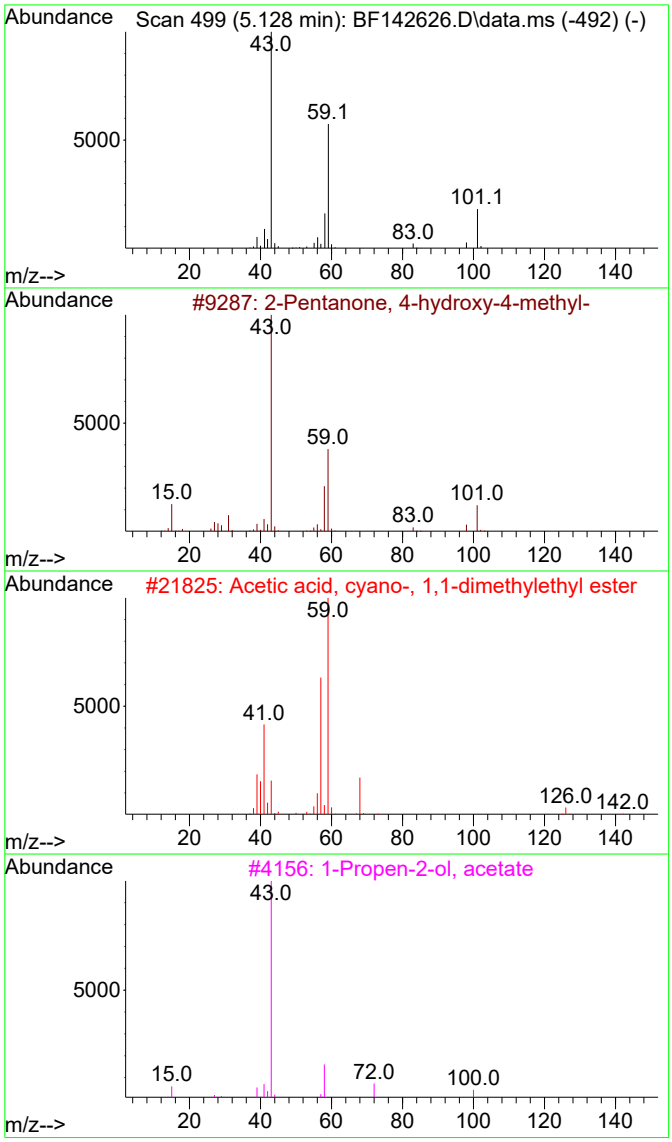
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

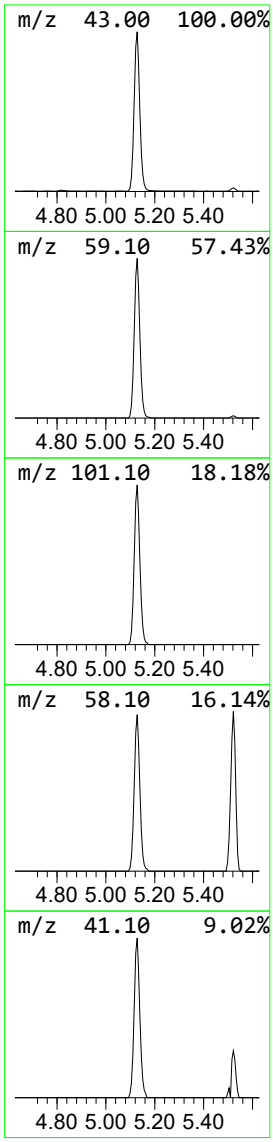
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	9.94 ng	338476	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	9.9	ng	338476	1	6.892	681009	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142750.D
Acq On : 12 Jun 2025 11:25
Operator : RC/JU
Sample : PB168259BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BS

Quant Time: Jun 12 11:54:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	68728	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	259756	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	133412	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	196055	20.000	ng	0.00
76) Chrysene-d12	14.069	240	125134	20.000	ng	0.00
86) Perylene-d12	15.563	264	151859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	543894	134.782	ng	0.02
7) Phenol-d6	6.522	99	634635	133.635	ng	0.00
23) Nitrobenzene-d5	7.457	82	403381	84.988	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	183453	125.466	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	857757	85.418	ng	0.00
79) Terphenyl-d14	13.010	244	660636	72.510	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.746	88	62682	39.250	ng	99
3) Pyridine	3.505	79	174463	43.569	ng	99
4) n-Nitrosodimethylamine	3.457	42	100333	48.972	ng	98
6) Aniline	6.557	93	235784	37.095	ng	98
8) 2-Chlorophenol	6.675	128	213613	48.439	ng	99
9) Benzaldehyde	6.440	77	101092	34.374	ng	99
10) Phenol	6.540	94	246020	46.606	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	187665	47.596	ng	100
12) 1,3-Dichlorobenzene	6.834	146	233376	46.372	ng	98
13) 1,4-Dichlorobenzene	6.910	146	237027	46.602	ng	100
14) 1,2-Dichlorobenzene	7.063	146	227881	46.741	ng	99
15) Benzyl Alcohol	7.034	79	170503	47.501	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	288917	46.541	ng	94
17) 2-Methylphenol	7.145	107	160140	47.369	ng	99
18) Hexachloroethane	7.404	117	83239	45.667	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	137535	45.491	ng	99
20) 3+4-Methylphenols	7.298	107	198576	46.591	ng	96
22) Acetophenone	7.304	105	277292	47.990	ng	99
24) Nitrobenzene	7.475	77	203898	48.403	ng	99
25) Isophorone	7.716	82	367891	45.779	ng	99
26) 2-Nitrophenol	7.792	139	114017	48.498	ng	100
27) 2,4-Dimethylphenol	7.828	122	188342	47.054	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	230340	46.166	ng	100
29) 2,4-Dichlorophenol	8.034	162	174469	47.231	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	197830	48.466	ng	99
31) Naphthalene	8.198	128	610212	47.500	ng	100
32) Benzoic acid	7.945	122	102917	45.656	ng	99
33) 4-Chloroaniline	8.245	127	108122	20.962	ng	99
34) Hexachlorobutadiene	8.316	225	123159	47.349	ng	99
35) Caprolactam	8.616	113	45459	45.590	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	174031	45.309	ng	98
37) 2-Methylnaphthalene	8.887	142	378269	46.521	ng	100
38) 1-Methylnaphthalene	8.987	142	388533	46.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	193655	50.153	ng	99
41) Hexachlorocyclopentadiene	9.045	237	249640	100.731	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	122429	48.981	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142750.D
Acq On : 12 Jun 2025 11:25
Operator : RC/JU
Sample : PB168259BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BS

Quant Time: Jun 12 11:54:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

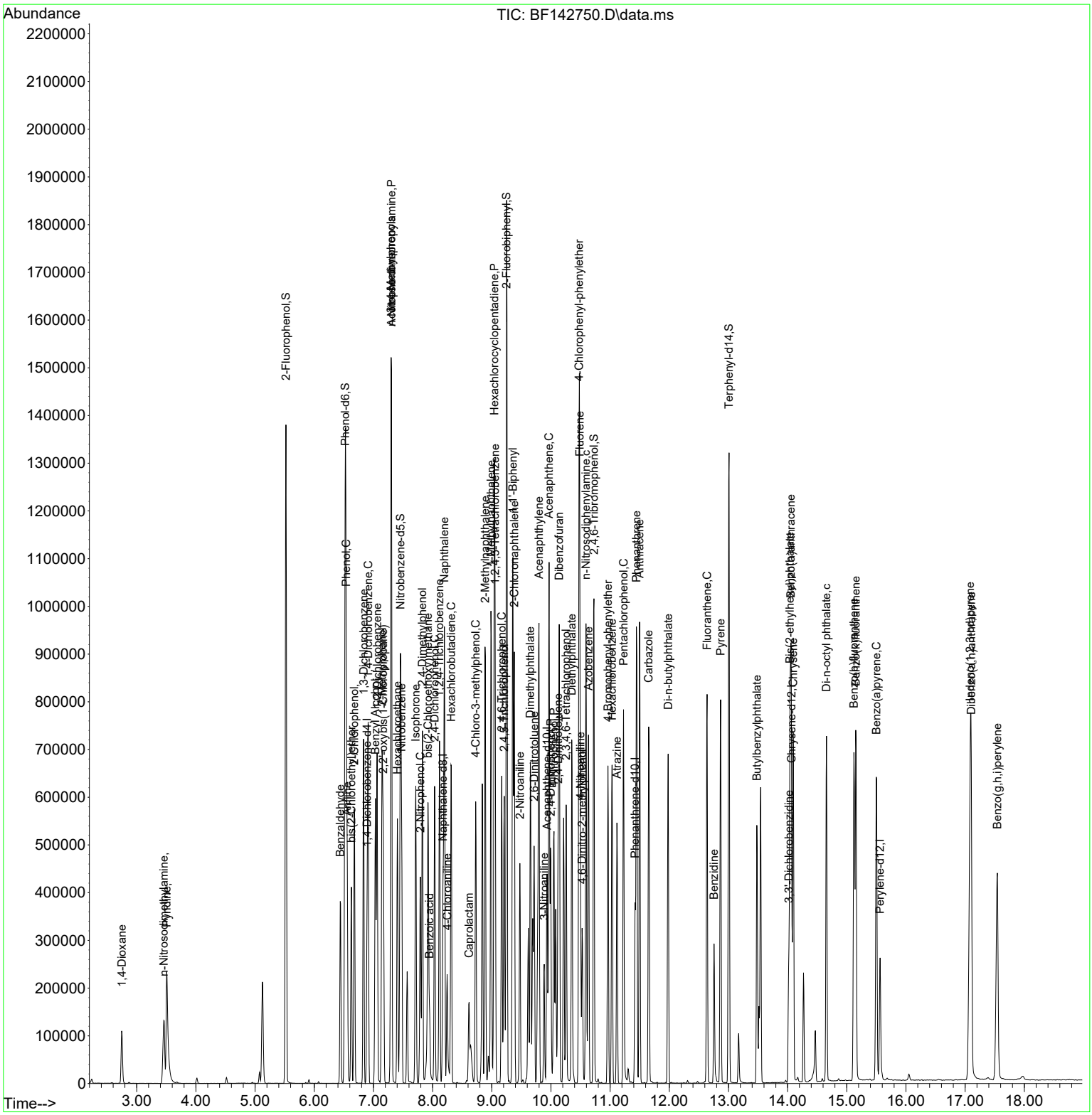
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	129417	47.938	ng	99
46) 1,1'-Biphenyl	9.357	154	515786	49.788	ng	99
47) 2-Chloronaphthalene	9.381	162	377304	49.436	ng	99
48) 2-Nitroaniline	9.475	65	104883	48.317	ng	99
49) Acenaphthylene	9.798	152	617677	47.998	ng	100
50) Dimethylphthalate	9.651	163	416010	46.695	ng	99
51) 2,6-Dinitrotoluene	9.716	165	90885	47.201	ng	94
52) Acenaphthene	9.969	154	407086	51.020	ng	100
53) 3-Nitroaniline	9.886	138	57256	27.416	ng	100
54) 2,4-Dinitrophenol	9.998	184	101087	95.842	ng	89
55) Dibenzofuran	10.139	168	533697	46.972	ng	99
56) 4-Nitrophenol	10.051	139	128104	90.440	ng	98
57) 2,4-Dinitrotoluene	10.122	165	119582	46.972	ng	99
58) Fluorene	10.486	166	408780	45.560	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	100716	44.344	ng	97
60) Diethylphthalate	10.351	149	394552	44.663	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	201585	46.005	ng	99
62) 4-Nitroaniline	10.498	138	83841	44.873	ng	99
63) Azobenzene	10.633	77	348697	45.196	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	62500	50.907	ng	93
66) n-Nitrosodiphenylamine	10.592	169	343784	51.013	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	118777	51.325	ng	96
68) Hexachlorobenzene	11.033	284	131197	51.073	ng	98
69) Atrazine	11.116	200	94336	52.505	ng	99
70) Pentachlorophenol	11.228	266	133589	99.208	ng	99
71) Phenanthrene	11.445	178	526047	50.083	ng	99
72) Anthracene	11.498	178	536828	49.406	ng	99
73) Carbazole	11.651	167	456048	50.136	ng	99
74) Di-n-butylphthalate	11.980	149	500868	49.312	ng	100
75) Fluoranthene	12.639	202	488146	48.875	ng	99
77) Benzidine	12.757	184	174245	39.099	ng	99
78) Pyrene	12.869	202	488130	41.976	ng	100
80) Butylbenzylphthalate	13.480	149	185187	53.853	ng	99
81) Benzo(a)anthracene	14.057	228	410291	49.479	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	76566	28.634	ng	99
83) Chrysene	14.092	228	384377	50.207	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	276777	53.632	ng	100
85) Di-n-octyl phthalate	14.657	149	506808	51.187	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	543031	48.254	ng	100
88) Benzo(b)fluoranthene	15.121	252	473532	52.958	ng	99
89) Benzo(k)fluoranthene	15.151	252	403601	46.520	ng	99
90) Benzo(a)pyrene	15.504	252	433248	50.960	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	436254	47.477	ng	99
92) Benzo(g,h,i)perylene	17.545	276	428212	46.864	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142750.D
Acq On : 12 Jun 2025 11:25
Operator : RC/JU
Sample : PB168259BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BS

Quant Time: Jun 12 11:54:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142727.D
Acq On : 11 Jun 2025 11:21
Operator : RC/JU
Sample : PB168285BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 11:45:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75631	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	294551	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	162704	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	278222	20.000	ng	0.00
76) Chrysene-d12	14.068	240	147780	20.000	ng	0.00
86) Perylene-d12	15.562	264	156697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	557674	125.583	ng	0.02
7) Phenol-d6	6.522	99	663936	127.044	ng	0.00
23) Nitrobenzene-d5	7.457	82	418857	77.824	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	230898	129.484	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	933481	76.223	ng	0.00
79) Terphenyl-d14	13.010	244	879635	81.752	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	64643	36.783	ng	100
3) Pyridine	3.516	79	178507	40.510	ng	99
4) n-Nitrosodimethylamine	3.475	42	99969	44.341	ng	98
6) Aniline	6.557	93	222608	31.826	ng	97
8) 2-Chlorophenol	6.675	128	222610	45.872	ng	99
9) Benzaldehyde	6.439	77	104049	32.151	ng	98
10) Phenol	6.539	94	256115	44.090	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	191831	44.212	ng	98
12) 1,3-Dichlorobenzene	6.834	146	238872	43.132	ng	99
13) 1,4-Dichlorobenzene	6.910	146	240362	42.945	ng	99
14) 1,2-Dichlorobenzene	7.063	146	233854	43.588	ng	99
15) Benzyl Alcohol	7.034	79	178579	45.210	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	294148	43.059	ng	92
17) 2-Methylphenol	7.145	107	169079	45.448	ng	99
18) Hexachloroethane	7.404	117	87092	43.420	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	145357	43.690	ng	98
20) 3+4-Methylphenols	7.298	107	213736	45.571	ng	99
22) Acetophenone	7.304	105	289978	44.257	ng	99
24) Nitrobenzene	7.475	77	212823	44.554	ng	99
25) Isophorone	7.716	82	399446	43.834	ng	99
26) 2-Nitrophenol	7.792	139	122967	46.127	ng	99
27) 2,4-Dimethylphenol	7.828	122	205753	45.332	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	250547	44.284	ng	99
29) 2,4-Dichlorophenol	8.033	162	190058	45.374	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	202914	43.839	ng	100
31) Naphthalene	8.198	128	637437	43.758	ng	99
32) Benzoic acid	7.957	122	127508	49.883	ng	98
33) 4-Chloroaniline	8.245	127	83575	14.289	ng	98
34) Hexachlorobutadiene	8.316	225	127185	43.120	ng	98
35) Caprolactam	8.622	113	56567m	50.029	ng	
36) 4-Chloro-3-methylphenol	8.733	107	195715	44.935	ng	100
37) 2-Methylnaphthalene	8.892	142	399320	43.308	ng	98
38) 1-Methylnaphthalene	8.992	142	421083	44.084	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	210701	44.743	ng	99
41) Hexachlorocyclopentadiene	9.045	237	273896	90.621	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	142414	46.719	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142727.D
Acq On : 11 Jun 2025 11:21
Operator : RC/JU
Sample : PB168285BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 11:45:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	147700	44.861	ng	98
46) 1,1'-Biphenyl	9.357	154	559102	44.253	ng	100
47) 2-Chloronaphthalene	9.380	162	412111	44.275	ng	100
48) 2-Nitroaniline	9.475	65	120048	45.346	ng	99
49) Acenaphthylene	9.798	152	701774	44.715	ng	100
50) Dimethylphthalate	9.657	163	497771	45.814	ng	100
51) 2,6-Dinitrotoluene	9.722	165	108743	46.308	ng	97
52) Acenaphthene	9.969	154	489115	50.265	ng	99
53) 3-Nitroaniline	9.886	138	66608	26.152	ng	99
54) 2,4-Dinitrophenol	9.998	184	139520	108.465	ng	91
55) Dibenzofuran	10.145	168	615212	44.398	ng	99
56) 4-Nitrophenol	10.051	139	170781	98.864	ng	96
57) 2,4-Dinitrotoluene	10.127	165	149112	48.027	ng	98
58) Fluorene	10.486	166	480108	43.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	127700	46.103	ng	100
60) Diethylphthalate	10.357	149	500364	46.443	ng	100
61) 4-Chlorophenyl-phenyle...	10.474	204	235568	44.082	ng	99
62) 4-Nitroaniline	10.510	138	108265	47.514	ng	99
63) Azobenzene	10.639	77	421629	44.810	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	83683	48.031	ng	96
66) n-Nitrosodiphenylamine	10.598	169	424612	44.399	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	144219	43.914	ng	99
68) Hexachlorobenzene	11.033	284	160594	44.053	ng	99
69) Atrazine	11.121	200	128999	50.593	ng	99
70) Pentachlorophenol	11.233	266	178839	93.589	ng	98
71) Phenanthrene	11.451	178	663039	44.483	ng	100
72) Anthracene	11.504	178	681281	44.184	ng	100
73) Carbazole	11.657	167	590398	45.737	ng	100
74) Di-n-butylphthalate	11.980	149	710586	49.299	ng	100
75) Fluoranthene	12.639	202	647918	45.714	ng	99
77) Benzidine	12.757	184	177445	33.716	ng	99
78) Pyrene	12.868	202	638902	46.522	ng	100
80) Butylbenzylphthalate	13.480	149	204524	50.362	ng	99
81) Benzo(a)anthracene	14.057	228	447930	45.741	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	68073	21.556	ng	97
83) Chrysene	14.098	228	422464	46.725	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	282460	46.345	ng	100
85) Di-n-octyl phthalate	14.657	149	520093	44.480	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	522405	44.988	ng	100
88) Benzo(b)fluoranthene	15.121	252	450291	48.804	ng	99
89) Benzo(k)fluoranthene	15.157	252	394562	44.074	ng	99
90) Benzo(a)pyrene	15.504	252	409410	46.669	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	427909	45.131	ng	100
92) Benzo(g,h,i)perylene	17.545	276	416187	44.141	ng	100

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

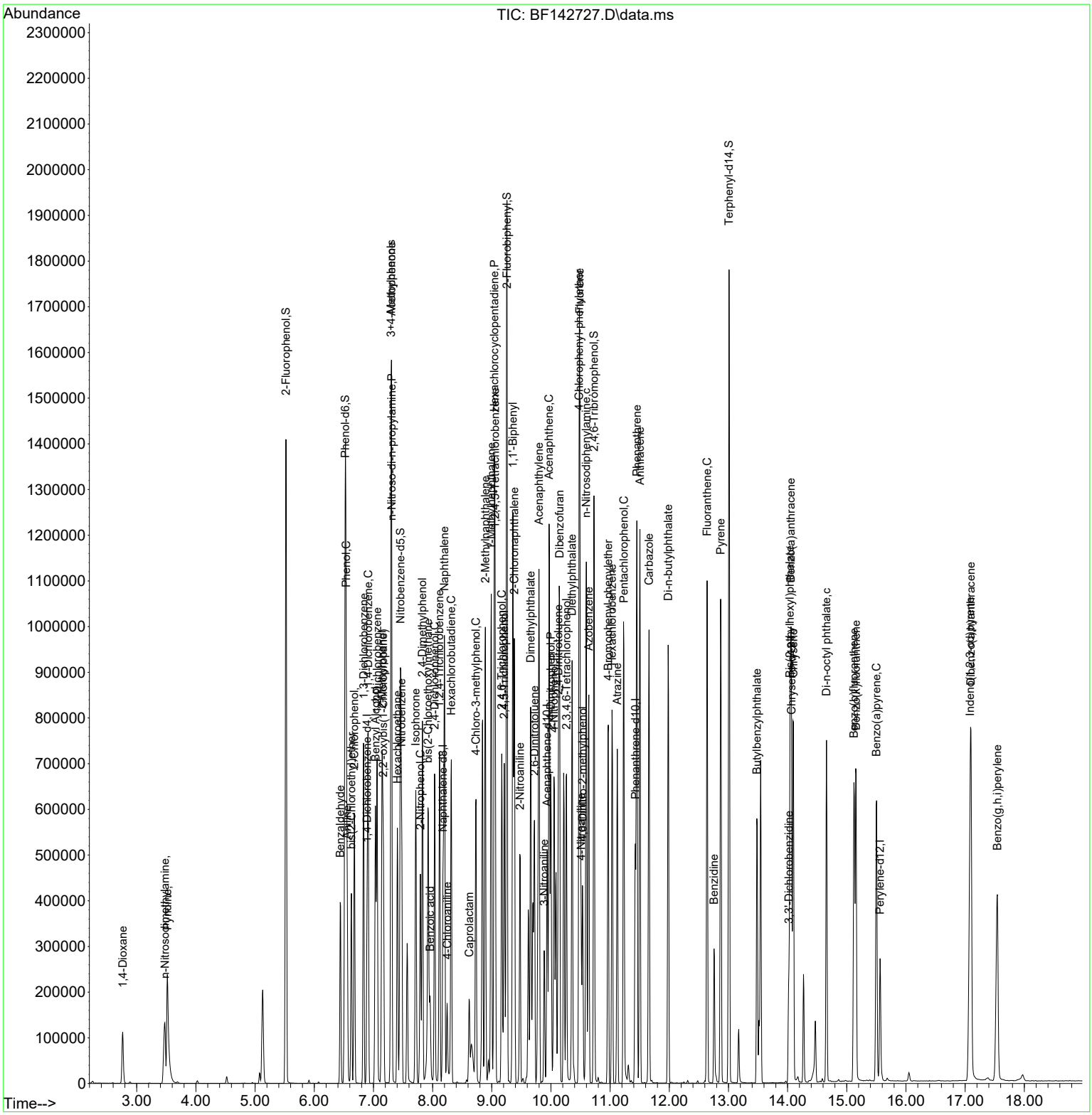
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142727.D
Acq On : 11 Jun 2025 11:21
Operator : RC/JU
Sample : PB168285BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 11:45:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142728.D
Acq On : 11 Jun 2025 11:50
Operator : RC/JU
Sample : PB168285BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 12:17:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	79958	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	304653	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	167586	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	281985	20.000	ng	0.00
76) Chrysene-d12	14.069	240	148975	20.000	ng	0.00
86) Perylene-d12	15.563	264	159540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	584593	124.521	ng	0.02
7) Phenol-d6	6.528	99	699315	126.573	ng	0.00
23) Nitrobenzene-d5	7.457	82	442271	79.449	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	236790	128.920	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	979443	77.646	ng	0.00
79) Terphenyl-d14	13.010	244	859457	79.236	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	67790	36.486	ng	99
3) Pyridine	3.522	79	187784	40.309	ng	99
4) n-Nitrosodimethylamine	3.481	42	106761	44.791	ng	98
6) Aniline	6.557	93	235031	31.783	ng	95
8) 2-Chlorophenol	6.681	128	235077	45.820	ng	98
9) Benzaldehyde	6.446	77	108698	31.769	ng	96
10) Phenol	6.540	94	271535	44.215	ng	95
11) bis(2-Chloroethyl)ether	6.628	93	203412	44.344	ng	99
12) 1,3-Dichlorobenzene	6.834	146	252496	43.125	ng	99
13) 1,4-Dichlorobenzene	6.910	146	254095	42.942	ng	99
14) 1,2-Dichlorobenzene	7.063	146	244725	43.146	ng	99
15) Benzyl Alcohol	7.034	79	189979	45.494	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	308921	42.774	ng	98
17) 2-Methylphenol	7.146	107	181748	46.210	ng	99
18) Hexachloroethane	7.404	117	91334	43.071	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	153317	43.589	ng	100
20) 3+4-Methylphenols	7.298	107	228375	46.057	ng	98
22) Acetophenone	7.304	105	305840	45.131	ng	98
24) Nitrobenzene	7.481	77	224388	45.417	ng	100
25) Isophorone	7.716	82	421864	44.759	ng	99
26) 2-Nitrophenol	7.793	139	128129	46.469	ng	99
27) 2,4-Dimethylphenol	7.828	122	217370	46.303	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	264684	45.231	ng	100
29) 2,4-Dichlorophenol	8.040	162	204043	47.097	ng	97
30) 1,2,4-Trichlorobenzene	8.116	180	216097	45.139	ng	100
31) Naphthalene	8.198	128	674474	44.765	ng	99
32) Benzoic acid	7.957	122	136622	51.676	ng	99
33) 4-Chloroaniline	8.245	127	86856	14.357	ng	99
34) Hexachlorobutadiene	8.316	225	134005	43.926	ng	99
35) Caprolactam	8.622	113	58307m	49.858	ng	
36) 4-Chloro-3-methylphenol	8.734	107	206170	45.766	ng	99
37) 2-Methylnaphthalene	8.892	142	428144	44.895	ng	99
38) 1-Methylnaphthalene	8.992	142	441163	44.655	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	216872	44.712	ng	99
41) Hexachlorocyclopentadiene	9.045	237	293138	94.162	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	148294	47.231	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142728.D
Acq On : 11 Jun 2025 11:50
Operator : RC/JU
Sample : PB168285BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 12:17:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	155805	45.944	ng	97
46) 1,1'-Biphenyl	9.357	154	586146	45.042	ng	100
47) 2-Chloronaphthalene	9.381	162	434176	45.287	ng	100
48) 2-Nitroaniline	9.481	65	123837	45.415	ng	95
49) Acenaphthylene	9.798	152	733996	45.406	ng	100
50) Dimethylphthalate	9.657	163	522022	46.646	ng	100
51) 2,6-Dinitrotoluene	9.722	165	111554	46.122	ng	95
52) Acenaphthene	9.975	154	499655	49.852	ng	99
53) 3-Nitroaniline	9.886	138	67107	25.580	ng	98
54) 2,4-Dinitrophenol	9.998	184	142845	107.815	ng	93
55) Dibenzofuran	10.145	168	638399	44.730	ng	100
56) 4-Nitrophenol	10.057	139	172443	96.918	ng	97
57) 2,4-Dinitrotoluene	10.128	165	152297	47.624	ng	98
58) Fluorene	10.486	166	503700	44.691	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	131356	46.041	ng	99
60) Diethylphthalate	10.357	149	516838	46.575	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	248444	45.137	ng	99
62) 4-Nitroaniline	10.510	138	109301	46.571	ng	98
63) Azobenzene	10.639	77	441139	45.518	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	86177	48.802	ng	98
66) n-Nitrosodiphenylamine	10.598	169	437418	45.128	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	150357	45.172	ng	98
68) Hexachlorobenzene	11.033	284	164704	44.578	ng	98
69) Atrazine	11.122	200	128706	49.805	ng	100
70) Pentachlorophenol	11.233	266	179040	92.443	ng	97
71) Phenanthrene	11.451	178	678589	44.919	ng	100
72) Anthracene	11.504	178	702094	44.926	ng	100
73) Carbazole	11.657	167	601663	45.988	ng	99
74) Di-n-butylphthalate	11.980	149	699562	47.886	ng	99
75) Fluoranthene	12.639	202	645627	44.944	ng	99
77) Benzidine	12.763	184	172676	32.546	ng	98
78) Pyrene	12.875	202	631683	45.628	ng	99
80) Butylbenzylphthalate	13.486	149	206062	50.334	ng	98
81) Benzo(a)anthracene	14.057	228	469680	47.577	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	70698	22.208	ng	100
83) Chrysene	14.098	228	408413	44.809	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	298050	48.511	ng	99
85) Di-n-octyl phthalate	14.657	149	555755	47.148	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	547077	46.273	ng	100
88) Benzo(b)fluoranthene	15.127	252	436349	46.450	ng	99
89) Benzo(k)fluoranthene	15.157	252	431458	47.337	ng	100
90) Benzo(a)pyrene	15.504	252	424339	47.509	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	449495	46.562	ng	100
92) Benzo(g,h,i)perylene	17.551	276	437957	45.623	ng	100

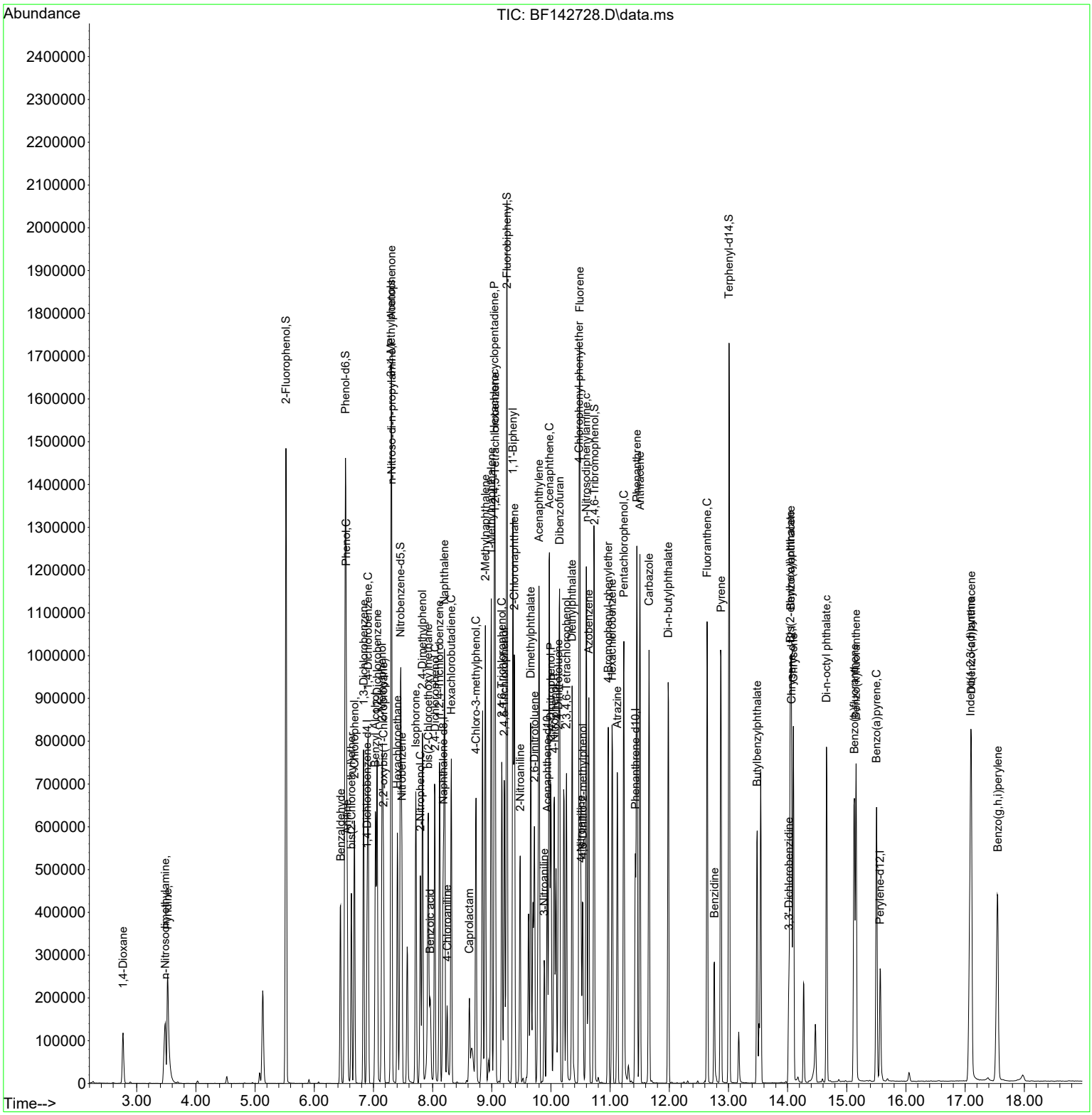
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142728.D
Acq On : 11 Jun 2025 11:50
Operator : RC/JU
Sample : PB168285BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 12:17:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168285BSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142629.D
Acq On : 05 Jun 2025 12:38
Operator : RC/JU
Sample : Q2194-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 13:04:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122190	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	451779	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	216895	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	322012	20.000	ng	0.00
76) Chrysene-d12	14.069	240	234738	20.000	ng	0.00
86) Perylene-d12	15.563	264	279656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	599856	82.708	ng	0.00
7) Phenol-d6	6.528	99	713873	81.768	ng	0.00
23) Nitrobenzene-d5	7.457	82	438378	52.911	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	189404	78.680	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	836201	51.733	ng	-0.01
79) Terphenyl-d14	13.010	244	631979	36.791	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	116544	40.157	ng	98
3) Pyridine	3.493	79	317907	43.015	ng	97
4) n-Nitrosodimethylamine	3.446	42	166389	43.360	ng	90
6) Aniline	6.557	93	418548	35.655	ng	98
8) 2-Chlorophenol	6.681	128	349653	44.261	ng	99
9) Benzaldehyde	6.446	77	185164	35.262	ng	99
10) Phenol	6.540	94	420223	42.777	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	315563	44.625	ng	100
12) 1,3-Dichlorobenzene	6.840	146	381689	43.300	ng	98
13) 1,4-Dichlorobenzene	6.916	146	390667	43.997	ng	98
14) 1,2-Dichlorobenzene	7.069	146	373469	43.956	ng	99
15) Benzyl Alcohol	7.034	79	273858	42.447	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	511374	43.062	ng	98
17) 2-Methylphenol	7.146	107	260125	42.175	ng	98
18) Hexachloroethane	7.410	117	135471	43.693	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	214353	39.616	ng	100
20) 3+4-Methylphenols	7.298	107	319353	40.433	ng	97
22) Acetophenone	7.304	105	434580	43.454	ng	98
24) Nitrobenzene	7.481	77	329327	44.072	ng	98
25) Isophorone	7.716	82	586760	42.359	ng	98
26) 2-Nitrophenol	7.793	139	187399	46.934	ng	98
27) 2,4-Dimethylphenol	7.834	122	305696	43.415	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	380803	44.007	ng	99
29) 2,4-Dichlorophenol	8.040	162	277852	43.390	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	312724	44.999	ng	98
31) Naphthalene	8.204	128	974716	43.817	ng	100
32) Benzoic acid	7.945	122	193944m	45.248	ng	
33) 4-Chloroaniline	8.251	127	227971	25.291	ng	98
34) Hexachlorobutadiene	8.316	225	191565	44.147	ng	100
35) Caprolactam	8.616	113	78313m	43.544	ng	
36) 4-Chloro-3-methylphenol	8.728	107	261506	39.848	ng	97
37) 2-Methylnaphthalene	8.892	142	591729	42.281	ng	100
38) 1-Methylnaphthalene	8.992	142	600790	41.502	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	297227	47.739	ng	98
41) Hexachlorocyclopentadiene	9.045	237	375230	89.339	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	194738	46.384	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142629.D
Acq On : 05 Jun 2025 12:38
Operator : RC/JU
Sample : Q2194-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 13:04:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	199277	45.006	ng	98
46) 1,1'-Biphenyl	9.357	154	780991	46.413	ng	99
47) 2-Chloronaphthalene	9.387	162	577402	46.443	ng	97
48) 2-Nitroaniline	9.481	65	160805	44.748	ng	95
49) Acenaphthylene	9.798	152	939256	44.741	ng	100
50) Dimethylphthalate	9.657	163	622374	43.488	ng	99
51) 2,6-Dinitrotoluene	9.722	165	136634	44.234	ng	95
52) Acenaphthene	9.975	154	623337	48.626	ng	99
53) 3-Nitroaniline	9.887	138	101002	29.937	ng	98
54) 2,4-Dinitrophenol	9.998	184	158196	99.131	ng	92
55) Dibenzofuran	10.145	168	807247	43.761	ng	98
56) 4-Nitrophenol	10.051	139	219710	88.260	ng	96
57) 2,4-Dinitrotoluene	10.122	165	180624	44.776	ng	99
58) Fluorene	10.486	166	608304	42.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	157768	42.681	ng	98
60) Diethylphthalate	10.357	149	579733	41.477	ng	99
61) 4-Chlorophenyl-phenyle...	10.481	204	295911	42.269	ng	96
62) 4-Nitroaniline	10.504	138	134386	43.919	ng	95
63) Azobenzene	10.639	77	589364	46.946	ng	95
65) 4,6-Dinitro-2-methylph...	10.534	198	95910	53.370	ng	97
66) n-Nitrosodiphenylamine	10.598	169	517819	47.003	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	177063	46.503	ng	98
68) Hexachlorobenzene	11.034	284	196279	46.608	ng	99
69) Atrazine	11.122	200	147925	50.560	ng	99
70) Pentachlorophenol	11.233	266	215378	90.586	ng	98
71) Phenanthrene	11.451	178	776660	45.131	ng	100
72) Anthracene	11.504	178	801110	45.613	ng	100
73) Carbazole	11.657	167	688286	45.841	ng	100
74) Di-n-butylphthalate	11.981	149	789814	48.057	ng	99
75) Fluoranthene	12.639	202	747653	46.496	ng	99
77) Benzidine	12.763	184	344316	39.417	ng	99
78) Pyrene	12.869	202	746029	34.069	ng	99
80) Butylbenzylphthalate	13.486	149	301575	49.841	ng	96
81) Benzo(a)anthracene	14.057	228	725686	46.297	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	165303	34.769	ng	98
83) Chrysene	14.098	228	623470	44.266	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	424459	54.798	ng	99
85) Di-n-octyl phthalate	14.657	149	755517	49.884	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	903860	43.052	ng	99
88) Benzo(b)fluoranthene	15.121	252	773424	46.729	ng	98
89) Benzo(k)fluoranthene	15.157	252	673810	43.465	ng	99
90) Benzo(a)pyrene	15.504	252	713699	45.746	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	735502	43.194	ng	98
92) Benzo(g,h,i)perylene	17.545	276	730836	42.911	ng	99

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

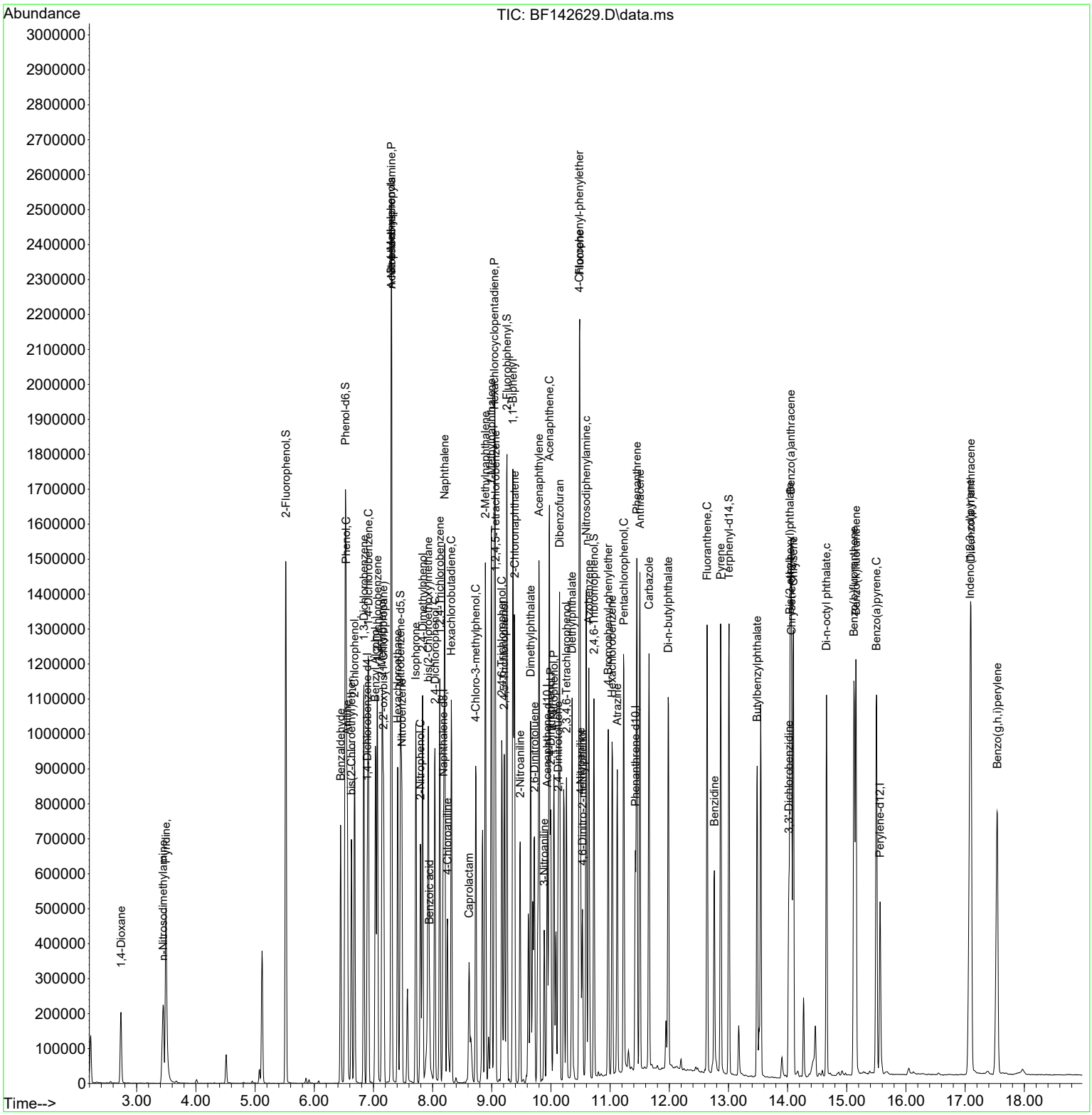
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142629.D
Acq On : 05 Jun 2025 12:38
Operator : RC/JU
Sample : Q2194-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 13:04:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142630.D
Acq On : 05 Jun 2025 13:07
Operator : RC/JU
Sample : Q2194-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 13:36:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123357	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	463790	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232069	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	359383	20.000	ng	0.00
76) Chrysene-d12	14.068	240	228816	20.000	ng	0.00
86) Perylene-d12	15.557	264	274428	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	606643	82.853	ng	0.00
7) Phenol-d6	6.528	99	725535	82.317	ng	0.00
23) Nitrobenzene-d5	7.457	82	442951	52.079	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	199475	77.446	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	866115	50.080	ng	-0.01
79) Terphenyl-d14	13.010	244	668267	39.911	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	117333	40.046	ng	97
3) Pyridine	3.493	79	318357	42.668	ng	98
4) n-Nitrosodimethylamine	3.446	42	168553	43.509	ng	89
6) Aniline	6.557	93	422068	35.614	ng	97
8) 2-Chlorophenol	6.681	128	354006	44.389	ng	99
9) Benzaldehyde	6.445	77	186774	35.232	ng	99
10) Phenol	6.539	94	425836	42.938	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	313745	43.948	ng	100
12) 1,3-Dichlorobenzene	6.839	146	384366	43.191	ng	98
13) 1,4-Dichlorobenzene	6.916	146	387280	43.203	ng	98
14) 1,2-Dichlorobenzene	7.063	146	376839	43.933	ng	98
15) Benzyl Alcohol	7.034	79	278195	42.711	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	518664	43.262	ng	98
17) 2-Methylphenol	7.145	107	266908	42.866	ng	100
18) Hexachloroethane	7.410	117	136975	43.760	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	220986	40.455	ng	99
20) 3+4-Methylphenols	7.298	107	323534	40.575	ng	97
22) Acetophenone	7.304	105	439621	42.819	ng	98
24) Nitrobenzene	7.481	77	336215	43.829	ng	98
25) Isophorone	7.716	82	599610	42.165	ng	98
26) 2-Nitrophenol	7.792	139	192003	46.842	ng	97
27) 2,4-Dimethylphenol	7.833	122	308954	42.741	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	385605	43.408	ng	99
29) 2,4-Dichlorophenol	8.039	162	286625	43.601	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	316300	44.335	ng	98
31) Naphthalene	8.204	128	990347	43.366	ng	100
32) Benzoic acid	7.945	122	199134	45.256	ng	97
33) 4-Chloroaniline	8.251	127	220081	23.783	ng	97
34) Hexachlorobutadiene	8.316	225	191757	43.046	ng	99
35) Caprolactam	8.616	113	85131m	46.109	ng	
36) 4-Chloro-3-methylphenol	8.733	107	276250	41.005	ng	95
37) 2-Methylnaphthalene	8.892	142	603054	41.975	ng	99
38) 1-Methylnaphthalene	8.992	142	620345	41.743	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	307948	46.227	ng	99
41) Hexachlorocyclopentadiene	9.045	237	381130	84.810	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	204875	45.608	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142630.D
Acq On : 05 Jun 2025 13:07
Operator : RC/JU
Sample : Q2194-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 13:36:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	206573	43.603	ng	98
46) 1,1'-Biphenyl	9.357	154	809190	44.944	ng	99
47) 2-Chloronaphthalene	9.386	162	601823	45.242	ng	98
48) 2-Nitroaniline	9.480	65	173466	45.115	ng	96
49) Acenaphthylene	9.798	152	984557	43.832	ng	99
50) Dimethylphthalate	9.657	163	661895	43.225	ng	100
51) 2,6-Dinitrotoluene	9.722	165	148392	44.900	ng	95
52) Acenaphthene	9.975	154	654841	47.744	ng	99
53) 3-Nitroaniline	9.886	138	106885	29.610	ng	99
54) 2,4-Dinitrophenol	9.998	184	175836	102.981	ng	92
55) Dibenzofuran	10.145	168	846807	42.904	ng	98
56) 4-Nitrophenol	10.051	139	242899	91.196	ng	97
57) 2,4-Dinitrotoluene	10.127	165	195481	45.290	ng	98
58) Fluorene	10.486	166	646129	42.375	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	173703	43.920	ng	97
60) Diethylphthalate	10.357	149	631869	42.251	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	311750	41.620	ng	96
62) 4-Nitroaniline	10.504	138	147725	45.122	ng	97
63) Azobenzene	10.639	77	633510	47.163	ng	95
65) 4,6-Dinitro-2-methylph...	10.533	198	103631	51.670	ng	98
66) n-Nitrosodiphenylamine	10.598	169	556337	45.248	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	191389	45.039	ng	97
68) Hexachlorobenzene	11.033	284	209677	44.612	ng	99
69) Atrazine	11.121	200	163121	49.956	ng	98
70) Pentachlorophenol	11.233	266	230613	86.908	ng	99
71) Phenanthrene	11.451	178	840862	43.781	ng	100
72) Anthracene	11.504	178	862354	43.995	ng	100
73) Carbazole	11.657	167	753059	44.940	ng	99
74) Di-n-butylphthalate	11.980	149	877150	47.821	ng	100
75) Fluoranthene	12.639	202	797484	44.438	ng	98
77) Benzidine	12.757	184	347487	40.809	ng	99
78) Pyrene	12.868	202	793809	37.189	ng	99
80) Butylbenzylphthalate	13.480	149	304769	51.673	ng	99
81) Benzo(a)anthracene	14.057	228	682149	44.645	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	161271	34.799	ng	99
83) Chrysene	14.092	228	625549	45.563	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	420218	55.655	ng	99
85) Di-n-octyl phthalate	14.657	149	712180	48.240	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	891327	43.263	ng	99
88) Benzo(b)fluoranthene	15.121	252	704683	43.387	ng	98
89) Benzo(k)fluoranthene	15.151	252	698419	45.911	ng	98
90) Benzo(a)pyrene	15.498	252	704890	46.042	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	722055	43.212	ng	98
92) Benzo(g,h,i)perylene	17.539	276	713255	42.677	ng	99

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

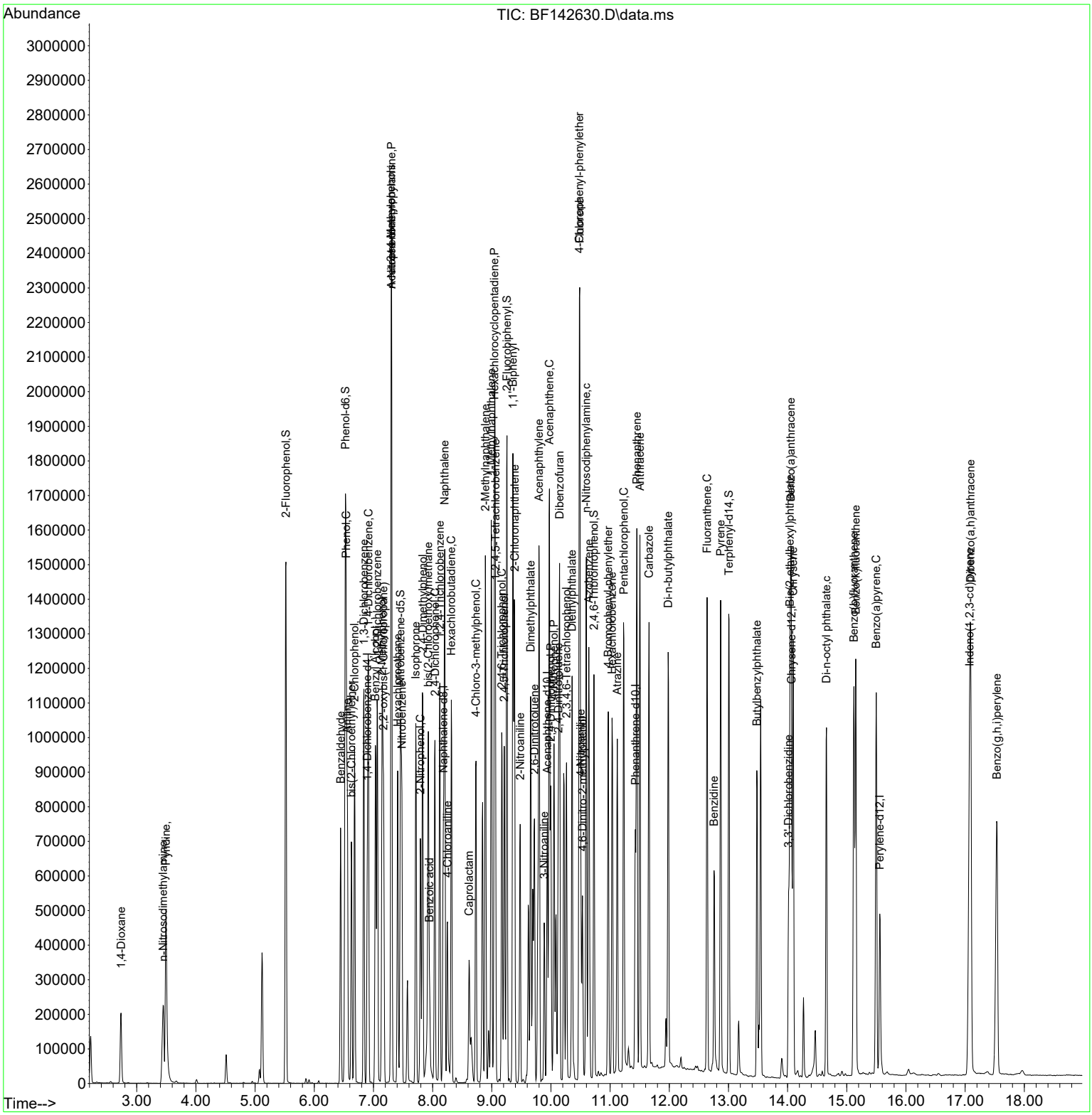
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142630.D
Acq On : 05 Jun 2025 13:07
Operator : RC/JU
Sample : Q2194-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 13:36:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-13MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf060525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2194-03MS	BF142629.D	Benzoic acid	Rahul	6/6/2025 12:15:16 PM	Jagrut	6/6/2025 1:16:55 PM	Peak Integrated by Software
Q2194-03MS	BF142629.D	Caprolactam	Rahul	6/6/2025 12:15:16 PM	Jagrut	6/6/2025 1:16:55 PM	Peak Integrated by Software
Q2194-03MSD	BF142630.D	Caprolactam	Rahul	6/6/2025 12:15:18 PM	Jagrut	6/6/2025 1:16:58 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF060625	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF061125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142714.D	2,3,4,6-Tetrachlorophenol	Rahul	6/11/2025 9:18:06 AM	Jagrut	6/11/2025 9:58:06 AM	Peak Integrated by Software
SSTDICC080	BF142719.D	Caprolactam	Rahul	6/11/2025 9:18:10 AM	Jagrut	6/11/2025 9:58:02 AM	Peak Integrated by Software
PB168285BS	BF142727.D	Caprolactam	anahy	6/12/2025 9:39:49 AM	Jagrut	6/12/2025 11:37:36 AM	Peak Integrated by Software
PB168285BSD	BF142728.D	Caprolactam	anahy	6/12/2025 9:45:24 AM	Jagrut	6/12/2025 11:37:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF061225	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP061025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-06	BP024899.D	Chrysene	anahy	6/11/2025 9:23:55 AM	Jagrut	6/11/2025 9:54:56 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP061125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024905.D	4-Nitroaniline	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
SSTDCCC040	BP024905.D	Indeno(1,2,3-cd)pyrene	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
Q2177-02DL	BP024917.D	Benzo(k)fluoranthene	anahy	6/12/2025 9:30:05 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM				
SubDirectory	BF052025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060525

Review By	Rahul	Review On	6/6/2025 12:18:39 PM				
Supervise By	Jagrut	Supervise On	6/6/2025 1:17:23 PM				
SubDirectory	BF060525	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142624.D	05 Jun 2025 09:07	RC/JU	Ok
2	SSTDCCC040	BF142625.D	05 Jun 2025 09:37	RC/JU	Ok
3	PB168285BL	BF142626.D	05 Jun 2025 11:04	RC/JU	Ok
4	Q2181-02	BF142627.D	05 Jun 2025 11:35	RC/JU	Ok
5	Q2194-03	BF142628.D	05 Jun 2025 12:08	RC/JU	Ok
6	Q2194-03MS	BF142629.D	05 Jun 2025 12:38	RC/JU	Ok,M
7	Q2194-03MSD	BF142630.D	05 Jun 2025 13:07	RC/JU	Ok,M
8	Q2185-05	BF142631.D	05 Jun 2025 13:37	RC/JU	Ok
9	Q2194-01	BF142632.D	05 Jun 2025 14:07	RC/JU	Ok
10	Q2199-01	BF142633.D	05 Jun 2025 14:37	RC/JU	Ok,M
11	Q2199-03	BF142634.D	05 Jun 2025 15:06	RC/JU	Ok,M
12	Q2199-05	BF142635.D	05 Jun 2025 15:36	RC/JU	Ok,M
13	Q2178-01DL	BF142636.D	05 Jun 2025 16:07	RC/JU	Dilution
14	Q2178-01DL2	BF142637.D	05 Jun 2025 16:38	RC/JU	Ok,M
15	SSTDCCC040	BF142638.D	05 Jun 2025 17:18	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142639.D	06 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142640.D	06 Jun 2025 11:36	RC/JU	Ok
3	PB168259BL	BF142641.D	06 Jun 2025 12:06	RC/JU	Ok
4	Q2185-01	BF142642.D	06 Jun 2025 12:54	RC/JU	Ok
5	Q2207-37	BF142643.D	06 Jun 2025 13:24	RC/JU	Ok
6	Q2207-37MS	BF142644.D	06 Jun 2025 13:54	RC/JU	Ok
7	Q2207-37MSD	BF142645.D	06 Jun 2025 14:25	RC/JU	Ok
8	Q2219-01	BF142646.D	06 Jun 2025 14:58	RC/JU	Ok,M
9	Q2214-01	BF142647.D	06 Jun 2025 15:29	RC/JU	Ok
10	Q2208-19	BF142648.D	06 Jun 2025 16:00	RC/JU	Ok
11	Q2207-28	BF142649.D	06 Jun 2025 16:30	RC/JU	Ok
12	Q2176-07	BF142650.D	06 Jun 2025 17:01	RC/JU	Ok
13	Q2198-01	BF142651.D	06 Jun 2025 17:31	RC/JU	Ok
14	Q2177-04	BF142652.D	06 Jun 2025 18:01	RC/JU	Ok
15	Q2198-05	BF142653.D	06 Jun 2025 18:31	RC/JU	Ok
16	Q2207-10	BF142654.D	06 Jun 2025 19:02	RC/JU	Ok
17	Q2207-19	BF142655.D	06 Jun 2025 19:32	RC/JU	Ok
18	Q2208-10	BF142656.D	06 Jun 2025 20:02	RC/JU	Ok
19	Q2208-01	BF142657.D	06 Jun 2025 20:32	RC/JU	Ok
20	Q2177-08	BF142658.D	06 Jun 2025 21:02	RC/JU	Ok
21	Q2242-01	BF142659.D	06 Jun 2025 21:32	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2202-03	BF142660.D	06 Jun 2025 22:01	RC/JU	Dilution
23	Q2176-01	BF142661.D	06 Jun 2025 22:31	RC/JU	Ok
24	Q2208-28	BF142662.D	06 Jun 2025 23:01	RC/JU	Ok
25	DFTPP	BF142663.D	07 Jun 2025 00:32	RC/JU	Ok
26	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	RC/JU	Ok
27	PB168300BL	BF142665.D	07 Jun 2025 02:08	RC/JU	Not Ok
28	PB168300BS	BF142666.D	07 Jun 2025 02:38	RC/JU	Not Ok
29	Q2226-01	BF142667.D	07 Jun 2025 03:08	RC/JU	ReRun
30	Q2207-01	BF142668.D	07 Jun 2025 03:38	RC/JU	ReRun
31	Q2198-03	BF142669.D	07 Jun 2025 04:08	RC/JU	ReRun
32	Q2176-03	BF142670.D	07 Jun 2025 04:38	RC/JU	ReRun
33	Q2176-05	BF142671.D	07 Jun 2025 05:07	RC/JU	ReRun
34	Q2125-07	BF142672.D	07 Jun 2025 05:36	RC/JU	ReRun
35	Q2176-02	BF142673.D	07 Jun 2025 06:05	RC/JU	ReRun
36	Q2227-01	BF142674.D	07 Jun 2025 06:35	RC/JU	ReRun
37	Q2228-01	BF142675.D	07 Jun 2025 07:03	RC/JU	ReRun
38	Q2241-01	BF142676.D	07 Jun 2025 07:32	RC/JU	ReRun
39	Q2241-05	BF142677.D	07 Jun 2025 08:02	RC/JU	ReRun
40	Q2244-01	BF142678.D	07 Jun 2025 08:31	RC/JU	ReRun
41	Q2244-01MS	BF142679.D	07 Jun 2025 09:00	RC/JU	Not Ok
42	Q2244-01MSD	BF142680.D	07 Jun 2025 09:29	RC/JU	Not Ok
43	Q2223-01	BF142681.D	07 Jun 2025 09:58	RC/JU	ReRun
44	Q2223-03	BF142682.D	07 Jun 2025 10:27	RC/JU	ReRun

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2224-01	BF142683.D	07 Jun 2025 10:57	RC/JU	ReRun
46	Q2225-01	BF142684.D	07 Jun 2025 11:26	RC/JU	ReRun
47	Q2206-01	BF142685.D	07 Jun 2025 11:54	RC/JU	ReRun
48	Q2195-01	BF142686.D	07 Jun 2025 12:23	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142710.D	10 Jun 2025 15:42	RC/JU	Ok
2	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	RC/JU	Not Ok
3	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54	RC/JU	Ok
4	SSTDICC005	BF142713.D	10 Jun 2025 17:24	RC/JU	Ok
5	SSTDICC010	BF142714.D	10 Jun 2025 17:53	RC/JU	Ok,M
6	SSTDICC020	BF142715.D	10 Jun 2025 18:22	RC/JU	Ok
7	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	RC/JU	Ok
8	SSTDICC050	BF142717.D	10 Jun 2025 19:21	RC/JU	Ok
9	SSTDICC060	BF142718.D	10 Jun 2025 19:50	RC/JU	Ok
10	SSTDICC080	BF142719.D	10 Jun 2025 20:19	RC/JU	Ok,M
11	SSTDICV040	BF142720.D	10 Jun 2025 20:49	RC/JU	Ok
12	PB168323BL	BF142721.D	10 Jun 2025 21:47	RC/JU	Ok
13	DFTPP	BF142722.D	11 Jun 2025 08:56	RC/JU	Ok
14	SSTDCCC040	BF142723.D	11 Jun 2025 09:24	RC/JU	Ok
15	PB168376BL	BF142724.D	11 Jun 2025 09:53	RC/JU	Ok
16	PB168376BS	BF142725.D	11 Jun 2025 10:22	RC/JU	Ok,M
17	PB168234BS	BF142726.D	11 Jun 2025 10:51	RC/JU	Ok,M
18	PB168285BS	BF142727.D	11 Jun 2025 11:21	RC/JU	Ok,M
19	PB168285BSD	BF142728.D	11 Jun 2025 11:50	RC/JU	Ok,M
20	PB168378BS	BF142729.D	11 Jun 2025 12:19	RC/JU	Ok,M
21	PB168378BSD	BF142730.D	11 Jun 2025 12:49	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168378BL	BF142731.D	11 Jun 2025 13:18	RC/JU	Ok
23	Q2264-04	BF142732.D	11 Jun 2025 13:52	RC/JU	Ok
24	Q2268-10	BF142733.D	11 Jun 2025 14:21	RC/JU	Ok
25	Q2268-03	BF142734.D	11 Jun 2025 14:50	RC/JU	Dilution
26	Q2268-04MS	BF142735.D	11 Jun 2025 15:20	RC/JU	Ok,M
27	Q2268-05MSD	BF142736.D	11 Jun 2025 15:50	RC/JU	Ok
28	Q2268-06	BF142737.D	11 Jun 2025 16:19	RC/JU	Dilution
29	Q2268-07	BF142738.D	11 Jun 2025 16:49	RC/JU	Dilution
30	Q2268-08	BF142739.D	11 Jun 2025 17:19	RC/JU	Dilution
31	Q2273-01	BF142740.D	11 Jun 2025 17:49	RC/JU	Ok
32	Q2273-05	BF142741.D	11 Jun 2025 18:18	RC/JU	Ok
33	Q2273-05MS	BF142742.D	11 Jun 2025 18:48	RC/JU	Ok
34	Q2273-05MSD	BF142743.D	11 Jun 2025 19:18	RC/JU	Ok
35	Q2268-03DL	BF142744.D	11 Jun 2025 19:48	RC/JU	Ok
36	Q2268-03	BF142745.D	11 Jun 2025 20:17	RC/JU	Not Ok
37	Q2280-01	BF142746.D	11 Jun 2025 20:47	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM				
SubDirectory	BF061225	HP Acquire Method	BNA_F		HP Processing Method	BF061125	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142747.D	12 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142748.D	12 Jun 2025 09:50	RC/JU	Ok
3	PB168376BL	BF142749.D	12 Jun 2025 10:56	RC/JU	Ok
4	PB168259BS	BF142750.D	12 Jun 2025 11:25	RC/JU	Ok
5	PB168412BL	BF142751.D	12 Jun 2025 11:54	RC/JU	Ok
6	PB168412BS	BF142752.D	12 Jun 2025 12:24	RC/JU	Ok
7	Q2268-06DL	BF142753.D	12 Jun 2025 13:00	RC/JU	Ok
8	Q2268-07DL	BF142754.D	12 Jun 2025 13:29	RC/JU	Ok
9	Q2268-08DL	BF142755.D	12 Jun 2025 13:59	RC/JU	Ok
10	Q2280-01	BF142756.D	12 Jun 2025 14:29	RC/JU	Ok,M
11	Q2176-02	BF142757.D	12 Jun 2025 14:58	RC/JU	Ok
12	Q2287-01	BF142758.D	12 Jun 2025 15:28	RC/JU	Ok
13	Q2296-09	BF142759.D	12 Jun 2025 15:57	RC/JU	Ok
14	Q2296-09MS	BF142760.D	12 Jun 2025 16:27	RC/JU	Ok
15	Q2296-09MSD	BF142761.D	12 Jun 2025 16:57	RC/JU	Ok
16	Q2223-01	BF142762.D	12 Jun 2025 17:27	RC/JU	Ok
17	Q2223-03	BF142763.D	12 Jun 2025 17:57	RC/JU	Ok
18	Q2224-01	BF142764.D	12 Jun 2025 18:27	RC/JU	Ok,M
19	Q2225-01	BF142765.D	12 Jun 2025 18:57	RC/JU	Ok,M
20	Q2206-01	BF142766.D	12 Jun 2025 19:26	RC/JU	Ok,M
21	Q2195-01	BF142767.D	12 Jun 2025 19:56	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2283-01	BF142768.D	12 Jun 2025 20:26	RC/JU	Ok,M
23	Q2278-01	BF142769.D	12 Jun 2025 20:56	RC/JU	Ok
24	Q2286-01	BF142770.D	12 Jun 2025 21:25	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024887.D	10 Jun 2025 10:12	RC/JU	Ok
2	SSTDCCC040	BP024888.D	10 Jun 2025 10:53	RC/JU	Ok
3	PB168321BL	BP024889.D	10 Jun 2025 11:33	RC/JU	Ok
4	PB168321BS	BP024890.D	10 Jun 2025 12:14	RC/JU	Ok
5	Q2266-01	BP024891.D	10 Jun 2025 13:02	RC/JU	Ok
6	Q2265-01	BP024892.D	10 Jun 2025 13:43	RC/JU	Ok
7	Q2266-08RE	BP024893.D	10 Jun 2025 14:24	RC/JU	Confirms
8	Q2176-08	BP024894.D	10 Jun 2025 15:05	RC/JU	Ok
9	Q2177-02	BP024895.D	10 Jun 2025 15:46	RC/JU	Dilution
10	Q2161-02	BP024896.D	10 Jun 2025 16:27	RC/JU	Ok
11	Q2176-06	BP024897.D	10 Jun 2025 17:08	RC/JU	Ok
12	Q2246-01	BP024898.D	10 Jun 2025 17:49	RC/JU	Ok,M
13	Q2177-06	BP024899.D	10 Jun 2025 18:30	RC/JU	Ok,M
14	Q2240-09	BP024900.D	10 Jun 2025 19:10	RC/JU	Ok,M
15	Q2176-04	BP024901.D	10 Jun 2025 19:51	RC/JU	Ok,M
16	Q2161-01	BP024902.D	10 Jun 2025 20:32	RC/JU	Ok
17	Q2240-05	BP024903.D	10 Jun 2025 21:13	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM				
SubDirectory	BP061125	HP Acquire Method	BNA_P		HP Processing Method	BP060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024904.D	11 Jun 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BP024905.D	11 Jun 2025 10:09	RC/JU	Ok,M
3	PB168300BL	BP024906.D	11 Jun 2025 10:50	RC/JU	Ok
4	PB168300BS	BP024907.D	11 Jun 2025 11:31	RC/JU	Ok
5	Q2176-03	BP024908.D	11 Jun 2025 12:18	RC/JU	Ok
6	Q2176-05	BP024909.D	11 Jun 2025 12:59	RC/JU	Ok
7	Q2207-01	BP024910.D	11 Jun 2025 13:40	RC/JU	Ok
8	Q2227-01	BP024911.D	11 Jun 2025 14:21	RC/JU	Ok
9	Q2228-01	BP024912.D	11 Jun 2025 15:02	RC/JU	Ok
10	Q2226-01	BP024913.D	11 Jun 2025 15:43	RC/JU	Ok
11	Q2244-01	BP024914.D	11 Jun 2025 16:24	RC/JU	Ok
12	Q2244-01MS	BP024915.D	11 Jun 2025 17:05	RC/JU	Ok
13	Q2244-01MSD	BP024916.D	11 Jun 2025 17:46	RC/JU	Ok
14	Q2177-02DL	BP024917.D	11 Jun 2025 18:27	RC/JU	Ok,M
15	Q2241-01	BP024918.D	11 Jun 2025 19:08	RC/JU	Ok
16	Q2198-03	BP024919.D	11 Jun 2025 19:49	RC/JU	Ok,M
17	Q2125-07	BP024920.D	11 Jun 2025 20:30	RC/JU	Ok
18	Q2241-05	BP024921.D	11 Jun 2025 21:11	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060525

Review By	Rahul	Review On	6/6/2025 12:18:39 PM		
Supervise By	Jagrut	Supervise On	6/6/2025 1:17:23 PM		
SubDirectory	BF060525	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142624.D	05 Jun 2025 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142625.D	05 Jun 2025 09:37		RC/JU	Ok
3	PB168285BL	PB168285BL	BF142626.D	05 Jun 2025 11:04		RC/JU	Ok
4	Q2181-02	38073-032124	BF142627.D	05 Jun 2025 11:35	PT Sample	RC/JU	Ok
5	Q2194-03	COMP-13	BF142628.D	05 Jun 2025 12:08		RC/JU	Ok
6	Q2194-03MS	COMP-13MS	BF142629.D	05 Jun 2025 12:38		RC/JU	Ok,M
7	Q2194-03MSD	COMP-13MSD	BF142630.D	05 Jun 2025 13:07		RC/JU	Ok,M
8	Q2185-05	TP01-MHA-WC	BF142631.D	05 Jun 2025 13:37		RC/JU	Ok
9	Q2194-01	COMP-12	BF142632.D	05 Jun 2025 14:07		RC/JU	Ok
10	Q2199-01	ETGI-343	BF142633.D	05 Jun 2025 14:37		RC/JU	Ok,M
11	Q2199-03	VNJ-231	BF142634.D	05 Jun 2025 15:06		RC/JU	Ok,M
12	Q2199-05	72-11978	BF142635.D	05 Jun 2025 15:36		RC/JU	Ok,M
13	Q2178-01DL	RT2929DL	BF142636.D	05 Jun 2025 16:07	Internal Standard Fail, Need furthed 2X dilution	RC/JU	Dilution
14	Q2178-01DL2	RT2929DL2	BF142637.D	05 Jun 2025 16:38	Internal Standard Fail	RC/JU	Ok,M
15	SSTDCCC040	SSTDCCC040EC	BF142638.D	05 Jun 2025 17:18		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142639.D	06 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142640.D	06 Jun 2025 11:36		RC/JU	Ok
3	PB168259BL	PB168259BL	BF142641.D	06 Jun 2025 12:06		RC/JU	Ok
4	Q2185-01	TP02-MHB-WC	BF142642.D	06 Jun 2025 12:54		RC/JU	Ok
5	Q2207-37	BU-703-COMP-05	BF142643.D	06 Jun 2025 13:24		RC/JU	Ok
6	Q2207-37MS	BU-703-COMP-05MS	BF142644.D	06 Jun 2025 13:54		RC/JU	Ok
7	Q2207-37MSD	BU-703-COMP-05MSD	BF142645.D	06 Jun 2025 14:25		RC/JU	Ok
8	Q2219-01	72-11995	BF142646.D	06 Jun 2025 14:58		RC/JU	Ok,M
9	Q2214-01	RBR251425	BF142647.D	06 Jun 2025 15:29		RC/JU	Ok
10	Q2208-19	BU-703-COMP-08	BF142648.D	06 Jun 2025 16:00		RC/JU	Ok
11	Q2207-28	BU-703-COMP-04	BF142649.D	06 Jun 2025 16:30		RC/JU	Ok
12	Q2176-07	TP-31	BF142650.D	06 Jun 2025 17:01		RC/JU	Ok
13	Q2198-01	B-202-SB02	BF142651.D	06 Jun 2025 17:31		RC/JU	Ok
14	Q2177-04	B-187-SB02	BF142652.D	06 Jun 2025 18:01		RC/JU	Ok
15	Q2198-05	B-202-GW01	BF142653.D	06 Jun 2025 18:31		RC/JU	Ok
16	Q2207-10	BU-703-COMP-02	BF142654.D	06 Jun 2025 19:02		RC/JU	Ok
17	Q2207-19	BU-703-COMP-03	BF142655.D	06 Jun 2025 19:32		RC/JU	Ok
18	Q2208-10	BU-703-COMP-07	BF142656.D	06 Jun 2025 20:02		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2208-01	BU-703-COMP-06	BF142657.D	06 Jun 2025 20:32		RC/JU	Ok
20	Q2177-08	EB05312025	BF142658.D	06 Jun 2025 21:02		RC/JU	Ok
21	Q2242-01	TP09-MHJ	BF142659.D	06 Jun 2025 21:32		RC/JU	Ok
22	Q2202-03	MW-12-20250603	BF142660.D	06 Jun 2025 22:01	Need 10X Dilution	RC/JU	Dilution
23	Q2176-01	TP-46	BF142661.D	06 Jun 2025 22:31		RC/JU	Ok
24	Q2208-28	BU-703-COMP-09	BF142662.D	06 Jun 2025 23:01		RC/JU	Ok
25	DFTPP	DFTPP	BF142663.D	07 Jun 2025 00:32		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	CCC fail high for compounds #41,54,56,70,84 and failed low for compounds # 78,79,87,91,92.	RC/JU	Ok
27	PB168300BL	PB168300BL	BF142665.D	07 Jun 2025 02:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	PB168300BS	PB168300BS	BF142666.D	07 Jun 2025 02:38	CCC fail low for compound # 78,79,87,91,92. Also #92 Recovery fail low side.	RC/JU	Not Ok
29	Q2226-01	TP06-MHI-WC	BF142667.D	07 Jun 2025 03:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2207-01	BU-703-COMP-01	BF142668.D	07 Jun 2025 03:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2198-03	B-207-SB02	BF142669.D	07 Jun 2025 04:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2176-03	TP-25	BF142670.D	07 Jun 2025 04:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
33	Q2176-05	TP-28	BF142671.D	07 Jun 2025 05:07	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
34	Q2125-07	GSB3	BF142672.D	07 Jun 2025 05:36	CCC fail low for compound #79	RC/JU	ReRun

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	Q2176-02	TP-56	BF142673.D	07 Jun 2025 06:05	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2227-01	TP07-MHH-WC	BF142674.D	07 Jun 2025 06:35	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2228-01	TP08-MHI-WC	BF142675.D	07 Jun 2025 07:03	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2241-01	TP-N	BF142676.D	07 Jun 2025 07:32	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
39	Q2241-05	TP-S	BF142677.D	07 Jun 2025 08:02	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2244-01	TP03-MHC	BF142678.D	07 Jun 2025 08:31	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2244-01MS	TP03-MHCMS	BF142679.D	07 Jun 2025 09:00	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2244-01MSD	TP03-MHCMSD	BF142680.D	07 Jun 2025 09:29	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2223-01	HR-01-06042025	BF142681.D	07 Jun 2025 09:58	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
44	Q2223-03	HR-04-06042025	BF142682.D	07 Jun 2025 10:27	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
45	Q2224-01	EO-01-06042025	BF142683.D	07 Jun 2025 10:57	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
46	Q2225-01	SU-03-06042025	BF142684.D	07 Jun 2025 11:26	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun
47	Q2206-01	TP-1	BF142685.D	07 Jun 2025 11:54	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
48	Q2195-01	OK-01-060325	BF142686.D	07 Jun 2025 12:23	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142710.D	10 Jun 2025 15:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142713.D	10 Jun 2025 17:24		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142714.D	10 Jun 2025 17:53		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142715.D	10 Jun 2025 18:22		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142717.D	10 Jun 2025 19:21		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142718.D	10 Jun 2025 19:50		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142719.D	10 Jun 2025 20:19	Compound #09 removed from 80 PPM.	RC/JU	Ok,M
11	SSTDICV040	ICVBF061125	BF142720.D	10 Jun 2025 20:49		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142721.D	10 Jun 2025 21:47		RC/JU	Ok
13	DFTPP	DFTPP	BF142722.D	11 Jun 2025 08:56		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF142723.D	11 Jun 2025 09:24		RC/JU	Ok
15	PB168376BL	PB168376BL	BF142724.D	11 Jun 2025 09:53		RC/JU	Ok
16	PB168376BS	PB168376BS	BF142725.D	11 Jun 2025 10:22		RC/JU	Ok,M
17	PB168234BS	PB168234BS	BF142726.D	11 Jun 2025 10:51		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB168285BS	PB168285BS	BF142727.D	11 Jun 2025 11:21		RC/JU	Ok,M
19	PB168285BSD	PB168285BSD	BF142728.D	11 Jun 2025 11:50		RC/JU	Ok,M
20	PB168378BS	PB168378BS	BF142729.D	11 Jun 2025 12:19		RC/JU	Ok,M
21	PB168378BSD	PB168378BSD	BF142730.D	11 Jun 2025 12:49		RC/JU	Ok,M
22	PB168378BL	PB168378BL	BF142731.D	11 Jun 2025 13:18		RC/JU	Ok
23	Q2264-04	EF-WW	BF142732.D	11 Jun 2025 13:52	Surrogate and Internal Standard Failed	RC/JU	Ok
24	Q2268-10	FB-20250605	BF142733.D	11 Jun 2025 14:21		RC/JU	Ok
25	Q2268-03	MW-2-20250605	BF142734.D	11 Jun 2025 14:50	Need 2X Dilution	RC/JU	Dilution
26	Q2268-04MS	MW-2-20250605MS	BF142735.D	11 Jun 2025 15:20		RC/JU	Ok,M
27	Q2268-05MSD	MW-2-20250605MSD	BF142736.D	11 Jun 2025 15:50		RC/JU	Ok
28	Q2268-06	MW-2-20250605-A	BF142737.D	11 Jun 2025 16:19	Need 2X Dilution	RC/JU	Dilution
29	Q2268-07	MW-6-20250605	BF142738.D	11 Jun 2025 16:49	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
30	Q2268-08	MW-3-20250605	BF142739.D	11 Jun 2025 17:19	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
31	Q2273-01	WC-4	BF142740.D	11 Jun 2025 17:49		RC/JU	Ok
32	Q2273-05	WC-6	BF142741.D	11 Jun 2025 18:18		RC/JU	Ok
33	Q2273-05MS	WC-6MS	BF142742.D	11 Jun 2025 18:48		RC/JU	Ok
34	Q2273-05MSD	WC-6MSD	BF142743.D	11 Jun 2025 19:18		RC/JU	Ok
35	Q2268-03DL	MW-2-20250605DL	BF142744.D	11 Jun 2025 19:48		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2268-03	MW-2-20250605	BF142745.D	11 Jun 2025 20:17	Already analyzed with OK status	RC/JU	Not Ok
37	Q2280-01	VNJ-210	BF142746.D	11 Jun 2025 20:47	Internal standard fail	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142747.D	12 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142748.D	12 Jun 2025 09:50		RC/JU	Ok
3	PB168376BL	PB168376BL	BF142749.D	12 Jun 2025 10:56		RC/JU	Ok
4	PB168259BS	PB168259BS	BF142750.D	12 Jun 2025 11:25		RC/JU	Ok
5	PB168412BL	PB168412BL	BF142751.D	12 Jun 2025 11:54		RC/JU	Ok
6	PB168412BS	PB168412BS	BF142752.D	12 Jun 2025 12:24		RC/JU	Ok
7	Q2268-06DL	MW-2-20250605-ADL	BF142753.D	12 Jun 2025 13:00		RC/JU	Ok
8	Q2268-07DL	MW-6-20250605DL	BF142754.D	12 Jun 2025 13:29		RC/JU	Ok
9	Q2268-08DL	MW-3-20250605DL	BF142755.D	12 Jun 2025 13:59		RC/JU	Ok
10	Q2280-01	VNJ-210	BF142756.D	12 Jun 2025 14:29		RC/JU	Ok,M
11	Q2176-02	TP-56	BF142757.D	12 Jun 2025 14:58		RC/JU	Ok
12	Q2287-01	CONCRETE-SLAB	BF142758.D	12 Jun 2025 15:28		RC/JU	Ok
13	Q2296-09	WC-3	BF142759.D	12 Jun 2025 15:57		RC/JU	Ok
14	Q2296-09MS	WC-3MS	BF142760.D	12 Jun 2025 16:27		RC/JU	Ok
15	Q2296-09MSD	WC-3MSD	BF142761.D	12 Jun 2025 16:57		RC/JU	Ok
16	Q2223-01	HR-01-06042025	BF142762.D	12 Jun 2025 17:27		RC/JU	Ok
17	Q2223-03	HR-04-06042025	BF142763.D	12 Jun 2025 17:57		RC/JU	Ok
18	Q2224-01	EO-01-06042025	BF142764.D	12 Jun 2025 18:27		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2225-01	SU-03-06042025	BF142765.D	12 Jun 2025 18:57		RC/JU	Ok,M
20	Q2206-01	TP-1	BF142766.D	12 Jun 2025 19:26		RC/JU	Ok,M
21	Q2195-01	OK-01-060325	BF142767.D	12 Jun 2025 19:56		RC/JU	Ok,M
22	Q2283-01	MOO-25-0166-MOO-25	BF142768.D	12 Jun 2025 20:26		RC/JU	Ok,M
23	Q2278-01	TP-2	BF142769.D	12 Jun 2025 20:56		RC/JU	Ok
24	Q2286-01	LAW-25-0082-LAW-250	BF142770.D	12 Jun 2025 21:25	Out of Tune time.	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024887.D	10 Jun 2025 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024888.D	10 Jun 2025 10:53		RC/JU	Ok
3	PB168321BL	PB168321BL	BP024889.D	10 Jun 2025 11:33		RC/JU	Ok
4	PB168321BS	PB168321BS	BP024890.D	10 Jun 2025 12:14		RC/JU	Ok
5	Q2266-01	WC-3	BP024891.D	10 Jun 2025 13:02		RC/JU	Ok
6	Q2265-01	TP11-MHL-WC	BP024892.D	10 Jun 2025 13:43		RC/JU	Ok
7	Q2266-08RE	WC-5RE	BP024893.D	10 Jun 2025 14:24	Internal Standard Fail and Surrogate fail	RC/JU	Confirms
8	Q2176-08	TP-65	BP024894.D	10 Jun 2025 15:05		RC/JU	Ok
9	Q2177-02	B-187-SB01	BP024895.D	10 Jun 2025 15:46	Need 5X Dilution	RC/JU	Dilution
10	Q2161-02	B28-SOIL-SAMPLE	BP024896.D	10 Jun 2025 16:27	Surrogate Fail	RC/JU	Ok
11	Q2176-06	TP-27	BP024897.D	10 Jun 2025 17:08		RC/JU	Ok
12	Q2246-01	BU-03-060525	BP024898.D	10 Jun 2025 17:49		RC/JU	Ok,M
13	Q2177-06	B-202-SB01	BP024899.D	10 Jun 2025 18:30		RC/JU	Ok,M
14	Q2240-09	TP-1	BP024900.D	10 Jun 2025 19:10		RC/JU	Ok,M
15	Q2176-04	TP-26	BP024901.D	10 Jun 2025 19:51		RC/JU	Ok,M
16	Q2161-01	B27-SOIL-SAMPLE	BP024902.D	10 Jun 2025 20:32		RC/JU	Ok
17	Q2240-05	TP-2	BP024903.D	10 Jun 2025 21:13		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024904.D	11 Jun 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024905.D	11 Jun 2025 10:09		RC/JU	Ok,M
3	PB168300BL	PB168300BL	BP024906.D	11 Jun 2025 10:50		RC/JU	Ok
4	PB168300BS	PB168300BS	BP024907.D	11 Jun 2025 11:31		RC/JU	Ok
5	Q2176-03	TP-25	BP024908.D	11 Jun 2025 12:18		RC/JU	Ok
6	Q2176-05	TP-28	BP024909.D	11 Jun 2025 12:59		RC/JU	Ok
7	Q2207-01	BU-703-COMP-01	BP024910.D	11 Jun 2025 13:40		RC/JU	Ok
8	Q2227-01	TP07-MHH-WC	BP024911.D	11 Jun 2025 14:21		RC/JU	Ok
9	Q2228-01	TP08-MHI-WC	BP024912.D	11 Jun 2025 15:02		RC/JU	Ok
10	Q2226-01	TP06-MHI-WC	BP024913.D	11 Jun 2025 15:43		RC/JU	Ok
11	Q2244-01	TP03-MHC	BP024914.D	11 Jun 2025 16:24		RC/JU	Ok
12	Q2244-01MS	TP03-MHCMS	BP024915.D	11 Jun 2025 17:05		RC/JU	Ok
13	Q2244-01MSD	TP03-MHCMSD	BP024916.D	11 Jun 2025 17:46		RC/JU	Ok
14	Q2177-02DL	B-187-SB01DL	BP024917.D	11 Jun 2025 18:27		RC/JU	Ok,M
15	Q2241-01	TP-N	BP024918.D	11 Jun 2025 19:08		RC/JU	Ok
16	Q2198-03	B-207-SB02	BP024919.D	11 Jun 2025 19:49		RC/JU	Ok,M
17	Q2125-07	GSB3	BP024920.D	11 Jun 2025 20:30		RC/JU	Ok
18	Q2241-05	TP-S	BP024921.D	11 Jun 2025 21:11		RC/JU	Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168259

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Solid			**Extraction Start Time :**	12:45
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	15:55
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	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Methylene Chloride	N/A	E3939
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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 Vail Lot # 2210443.

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
6/4/25	RS (Ext-lab)	RC/SVOC
16:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168259

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/04/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168259BL	SBLK259	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB168259BS	SLCS259	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2177-02	B-187-SB01	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	F		3
Q2177-04	B-187-SB02	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		4
Q2177-06	B-202-SB01	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	F		5
Q2178-01	RT2929	SVOC-PAH	50.02	N/A	ritesh	Evelyn	1	B	Concete	6
Q2182-01	OR-03-06022025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U1-1
Q2194-01	COMP-12	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	D		2
Q2194-03	COMP-13	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		3
Q2194-03MS	COMP-13MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		4
Q2194-03MSD	COMP-13MSD	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		5
Q2195-01	OK-01-060325	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q2199-01	ETGI-343	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U2-1
Q2199-03	VNJ-231	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		2
Q2199-05	72-11978	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3

RS
6/4

* **Extracts relinquished on the same date as received.**

Q2177 6/2/25 12:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2199 **WorkList ID :** 189935 **Department :** Extraction **Date :** 06-04-2025 12:40:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-02	B-187-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2177-04	B-187-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2177-06	B-202-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2178-01	RT2929	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	L41	06/02/2025	8270E
Q2182-01	OR-03-06022025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N11	06/02/2025	8270E
Q2194-01	COMP-12	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/03/2025	8270E
Q2194-03	COMP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/03/2025	8270E
Q2195-01	OK-01-060325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	06/03/2025	8270E
Q2199-01	ETGI-343	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E
Q2199-03	VNJ-231	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E
Q2199-05	72-11978	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E

686 of 1738

Date/Time 6/4/25 12:40

Raw Sample Received by: RJ (Ext-Lab)

Raw Sample Relinquished by: RM SM

Date/Time 6/4/25 13:10

Raw Sample Received by: RM SM

Raw Sample Relinquished by: RJ (Ext-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168285

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Water			**Extraction Start Time :**	11:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	06/04/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	16:40
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	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH, Q2177-08 Split volume.

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
6/4/25	RS (Ext lab)	Rc/SVOC
16:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168285

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 06/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168285BL	SBLK285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168285BS	SLCS285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168285BSD	SLCSD285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2177-08	EB05312025	SVOC-TCL BNA -20	490	6	RUPESH	ritesh	0.5	F		4
Q2181-02	38073-032124	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q2198-05	B-202-GW01	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F		6

RS
6/4

* **Extracts relinquished on the same date as received.**

Q2177 682285 11:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177 **WorkList ID :** 189930 **Department :** Extraction **Date :** 06-04-2025 11:38:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-08	EB05312025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2181-02	38073-032124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	05/30/2025	8270E
Q2198-05	B-202-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N22	05/31/2025	8270E

689 of 1738

Date/Time 6/4/25 11:40
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: RM SM

Date/Time 6/4/25 12:15
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RS (Ext-Lab)

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2177-02DL	**B-187-SB01DL**	**SOIL**			**05/31/25**			**06/02/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/11/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/06/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/07/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/07/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2177

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
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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050203.D	1	06/04/25 08:30	06/05/25 16:35	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (23) - 110 (138)	88%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.0		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.1		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	78.2		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	259000	7.787			
1146-65-2	Naphthalene-d8	957000	10.575			
15067-26-2	Acenaphthene-d10	523000	14.416			
1517-22-2	Phenanthrene-d10	933000	17.151			
1719-03-5	Chrysene-d12	870000	21.38			
1520-96-3	Perylene-d12	921000	24.374			

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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050203.D	1	06/04/25 08:30	06/05/25 16:35	PB168269

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050209.D	1	06/04/25 08:30	06/06/25 11:27	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		15 (23) - 110 (138)	80%	SPK: 150
13127-88-3	Phenol-d6	104		15 (10) - 110 (134)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.2		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	77.5		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305000	7.787			
1146-65-2	Naphthalene-d8	1160000	10.575			
15067-26-2	Acenaphthene-d10	659000	14.41			
1517-22-2	Phenanthrene-d10	1220000	17.151			
1719-03-5	Chrysene-d12	1160000	21.38			
1520-96-3	Perylene-d12	1240000	24.368			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050209.D	1	06/04/25 08:30	06/06/25 11:27	PB168269

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050232.D	1	06/04/25 08:30	06/07/25 03:20	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		15 (23) - 110 (138)	80%	SPK: 150
13127-88-3	Phenol-d6	97.8		15 (10) - 110 (134)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.7		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.2		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	79.5		30 (42) - 130 (152)	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305000	7.786			
1146-65-2	Naphthalene-d8	1150000	10.575			
15067-26-2	Acenaphthene-d10	611000	14.41			
1517-22-2	Phenanthrene-d10	1090000	17.145			
1719-03-5	Chrysene-d12	1090000	21.374			
1520-96-3	Perylene-d12	1170000	24.362			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050232.D	1	06/04/25 08:30	06/07/25 03:20	PB168269

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050233.D	1	06/04/25 08:30	06/07/25 04:00	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	107		15 (10) - 110 (134)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.5		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.4		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		15 (44) - 110 (137)	78%	SPK: 150
1718-51-0	Terphenyl-d14	83.0		30 (42) - 130 (152)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	307000	7.787			
1146-65-2	Naphthalene-d8	1160000	10.569			
15067-26-2	Acenaphthene-d10	625000	14.41			
1517-22-2	Phenanthrene-d10	1110000	17.145			
1719-03-5	Chrysene-d12	1040000	21.374			
1520-96-3	Perylene-d12	1120000	24.356			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050233.D	1	06/04/25 08:30	06/07/25 04:00	PB168269

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,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168224TB	PB168224TB	2-Fluorophenol	150	131	88		15 (23)	110 (138)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.0	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	80.1	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	78.2	78		30 (42)	130 (152)
PB168269BL	PB168269BL	2-Fluorophenol	150	137	91		15 (23)	110 (138)
		Phenol-d6	150	129	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	83.4	83		30 (67)	130 (132)
		2-Fluorobiphenyl	100	82.9	83		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	83.7	84		30 (42)	130 (152)
PB168269BS	PB168269BS	2-Fluorophenol	150	131	87		15 (23)	110 (138)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.8	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	80.2	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	123	82		15 (44)	110 (137)
		Terphenyl-d14	100	79.3	79		30 (42)	130 (152)
Q2177-03	B-187-SB01	2-Fluorophenol	150	119	80		15 (23)	110 (138)
		Phenol-d6	150	104	69		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.2	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.2	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	77.5	78		30 (42)	130 (152)
Q2177-03MS	B-187-SB01MS	2-Fluorophenol	150	122	81		15 (23)	110 (138)
		Phenol-d6	150	109	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.5	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	77.7	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	124	83		15 (44)	110 (137)
		Terphenyl-d14	100	79.5	79		30 (42)	130 (152)
Q2177-03MSD	B-187-SB01MSD	2-Fluorophenol	150	117	78		15 (23)	110 (138)
		Phenol-d6	150	106	71		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.2	77		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.1	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	121	80		15 (44)	110 (137)
		Terphenyl-d14	100	78.0	78		30 (42)	130 (152)
Q2177-05	B-187-SB02	2-Fluorophenol	150	119	80		15 (23)	110 (138)
		Phenol-d6	150	97.8	65		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.7	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.2	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	121	80		15 (44)	110 (137)
		Terphenyl-d14	100	79.5	80		30 (42)	130 (152)
Q2177-07	B-202-SB01	2-Fluorophenol	150	124	83		15 (23)	110 (138)
		Phenol-d6	150	107	71		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.5	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.4	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	117	78		15 (44)	110 (137)
		Terphenyl-d14	100	83.0	83		30 (42)	130 (152)

( ) = 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.: Q2177

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: Q2177-03MS		**Client Sample ID: B-187-SB01MS**						**DataFile: BM050210.D**			
Pyridine	500	0	370	ug/L	74				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	380	ug/L	76				70 (55)	130 (125)	
2-Methylphenol	500	0	430	ug/L	86				70 (60)	130 (131)	
3+4-Methylphenols	500	0	420	ug/L	84				20 (54)	160 (136)	
Hexachloroethane	500	0	380	ug/L	76				20 (19)	160 (146)	
Nitrobenzene	500	0	450	ug/L	90				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	410	ug/L	82				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	480	ug/L	96				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	470	ug/L	94				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	490	ug/L	98				70 (74)	130 (137)	
Hexachlorobenzene	500	0	470	ug/L	94				70 (72)	130 (115)	
Pentachlorophenol	1000	0	960	ug/L	96				20 (52)	160 (162)	

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2177-03MSD		**Client Sample ID:** B-187-SB01MSD						**DataFile:** BM050211.D			
Pyridine	500	0	350	ug/L	70		6		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	360	ug/L	72		5		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	420	ug/L	84		2		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	410	ug/L	82		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	360	ug/L	72		5		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	430	ug/L	86		5		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	400	ug/L	80		2		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	470	ug/L	94		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	460	ug/L	92		2		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	480	ug/L	96		2		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	460	ug/L	92		2		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	920	ug/L	92		4		20 (52)	160 (162)	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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM050208.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168269BS	Pyridine	50	40.6	ug/L	81				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	44.3	ug/L	89				70 (76)	130 (103)	
	2-Methylphenol	50	43.4	ug/L	87				70 (69)	130 (109)	
	3+4-Methylphenols	50	42.7	ug/L	85				20 (67)	160 (106)	
	Hexachloroethane	50	46.2	ug/L	92				20 (76)	160 (118)	
	Nitrobenzene	50	46.8	ug/L	94				70 (58)	130 (106)	
	Hexachlorobutadiene	50	47.0	ug/L	94				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	47.9	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.4	ug/L	95				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	49.4	ug/L	99				70 (60)	130 (115)	
	Hexachlorobenzene	50	47.6	ug/L	95				70 (73)	130 (106)	
	Pentachlorophenol	100	98.6	ug/L	99				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168269BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BM050207.D Lab Sample ID: PB168269BL

Instrument ID: BNA_M Date Extracted: 06/04/2025

Matrix: (soil/water) water Date Analyzed: 06/06/2025

Level: (low/med) LOW Time Analyzed: 10:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168269BS	PB168269BS	BM050208.D	06/06/2025
B-187-SB01	Q2177-03	BM050209.D	06/06/2025
B-187-SB01MS	Q2177-03MS	BM050210.D	06/06/2025
B-187-SB01MSD	Q2177-03MSD	BM050211.D	06/06/2025
B-187-SB02	Q2177-05	BM050232.D	06/07/2025
B-202-SB01	Q2177-07	BM050233.D	06/07/2025
PB168224TB	PB168224TB	BM050203.D	06/05/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BM050193.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.3
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
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
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.8 (19.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050194.D	06/05/2025	09:20
SSTDICC005	SSTDICC005	BM050195.D	06/05/2025	09:59
SSTDICC010	SSTDICC010	BM050196.D	06/05/2025	10:38
SSTDICC020	SSTDICC020	BM050197.D	06/05/2025	11:17
SSTDICCC040	SSTDICCC040	BM050198.D	06/05/2025	11:57
SSTDICC050	SSTDICC050	BM050199.D	06/05/2025	12:36
SSTDICC060	SSTDICC060	BM050200.D	06/05/2025	13:16
SSTDICC080	SSTDICC080	BM050201.D	06/05/2025	13:56
PB168224TB	PB168224TB	BM050203.D	06/05/2025	16:35

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BM050205.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	19.3
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.7
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	6.8
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (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	BM050206.D	06/06/2025	09:29
PB168269BL	PB168269BL	BM050207.D	06/06/2025	10:08
PB168269BS	PB168269BS	BM050208.D	06/06/2025	10:47
B-187-SB01	Q2177-03	BM050209.D	06/06/2025	11:27
B-187-SB01MS	Q2177-03MS	BM050210.D	06/06/2025	12:06
B-187-SB01MSD	Q2177-03MSD	BM050211.D	06/06/2025	12:46

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BM050222.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_M DFTPP Injection Time: 20:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.3
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	39.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.8 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050223.D	06/06/2025	21:23
B-187-SB02	Q2177-05	BM050232.D	06/07/2025	03:20
B-202-SB01	Q2177-07	BM050233.D	06/07/2025	04:00

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDICCC040 Date Analyzed: 06/05/2025

Lab File ID: BM050198.D Time Analyzed: 11:57

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	308806	7.793	1316350	10.58	819036	14.42
	UPPER LIMIT	617612	8.293	2632700	11.075	1638070	14.916
	LOWER LIMIT	154403	7.293	658175	10.075	409518	13.916
	EPA SAMPLE NO.						
01	PB168224TB	259307	7.79	956559	10.58	522891	14.42

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDICCC040 Date Analyzed: 06/05/2025

Lab File ID: BM050198.D Time Analyzed: 11:57

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1590670	17.151	1484490	21.386	1410380	24.374
	UPPER LIMIT	3181340	17.651	2968980	21.886	2820760	24.874
	LOWER LIMIT	795335	16.651	742245	20.886	705190	23.874
	EPA SAMPLE NO.						
01	PB168224TB	932766	17.15	869671	21.38	921150	24.37

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BM050206.D Time Analyzed: 09:29

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	295242	7.787	1183110	10.58	689122	14.42
	UPPER LIMIT	590484	8.287	2366220	11.075	1378240	14.916
	LOWER LIMIT	147621	7.287	591555	10.075	344561	13.916
	EPA SAMPLE NO.						
01	PB168269BL	307416	7.79	1142670	10.58	634427	14.41
02	PB168269BS	327776	7.79	1233280	10.58	655553	14.42
03	B-187-SB01	304642	7.79	1159120	10.58	659350	14.41
04	B-187-SB01MS	326296	7.79	1267570	10.58	684770	14.42
05	B-187-SB01MSD	347769	7.79	1350320	10.58	744312	14.42

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BM050206.D Time Analyzed: 09:29

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1340070	17.151	1418640	21.386	1586720	24.368
	UPPER LIMIT	2680140	17.651	2837280	21.886	3173440	24.868
	LOWER LIMIT	670035	16.651	709320	20.886	793360	23.868
	EPA SAMPLE NO.						
01	PB168269BL	1133740	17.15	982238	21.38	1022860	24.37
02	PB168269BS	1123560	17.15	1060560	21.38	1186020	24.37
03	B-187-SB01	1216070	17.15	1157740	21.38	1244730	24.37
04	B-187-SB01MS	1179350	17.15	1089190	21.38	1220890	24.37
05	B-187-SB01MSD	1278960	17.15	1127470	21.39	1245310	24.37

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BM050223.D Time Analyzed: 21:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	279322	7.786	1074650	10.58	577654	14.41
	UPPER LIMIT	558644	8.286	2149300	11.075	1155310	14.91
	LOWER LIMIT	139661	7.286	537325	10.075	288827	13.91
	EPA SAMPLE NO.						
01	B-187-SB02	305472	7.79	1153730	10.58	611005	14.41
02	B-202-SB01	306776	7.79	1155500	10.57	625136	14.41

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BM050223.D Time Analyzed: 21:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1020060	17.151	1029160	21.38	1065460	24.362
	UPPER LIMIT	2040120	17.651	2058320	21.88	2130920	24.862
	LOWER LIMIT	510030	16.651	514580	20.88	532730	23.862
	EPA SAMPLE NO.						
01	B-187-SB02	1089580	17.15	1091420	21.37	1171440	24.36
02	B-202-SB01	1109440	17.15	1043230	21.37	1124100	24.36

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

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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:	PB168269BL	SDG No.:	Q2177
Lab Sample ID:	PB168269BL	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050207.D	1	06/04/25 08:30	06/06/25 10:08	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		15 (23) - 110 (138)	91%	SPK: 150
13127-88-3	Phenol-d6	129		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.4		30 (67) - 130 (132)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		30 (52) - 130 (132)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	83.7		30 (42) - 130 (152)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	307000	7.787			
1146-65-2	Naphthalene-d8	1140000	10.575			
15067-26-2	Acenaphthene-d10	634000	14.41			
1517-22-2	Phenanthrene-d10	1130000	17.151			
1719-03-5	Chrysene-d12	982000	21.38			
1520-96-3	Perylene-d12	1020000	24.368			

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:	PB168269BL			SDG No.:	Q2177
Lab Sample ID:	PB168269BL			Matrix:	TCLP
Analytical Method:	8270E			% 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
BM050207.D	1	06/04/25 08:30	06/06/25 10:08	PB168269

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168269BS	SDG No.:	Q2177
Lab Sample ID:	PB168269BS	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050208.D	1	06/04/25 08:30	06/06/25 10:47	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	40.6		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	44.3		0.53	5.00	ug/L
95-48-7	2-Methylphenol	43.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.7		1.10	10.0	ug/L
67-72-1	Hexachloroethane	46.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.8		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.0		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	47.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.4		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.4		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	98.6	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (23) - 110 (138)	87%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.8		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.2		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	79.3		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	328000	7.786			
1146-65-2	Naphthalene-d8	1230000	10.575			
15067-26-2	Acenaphthene-d10	656000	14.415			
1517-22-2	Phenanthrene-d10	1120000	17.151			
1719-03-5	Chrysene-d12	1060000	21.38			
1520-96-3	Perylene-d12	1190000	24.368			

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:	PB168269BS			SDG No.:	Q2177
Lab Sample ID:	PB168269BS			Matrix:	TCLP
Analytical Method:	8270E			% 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
BM050208.D	1	06/04/25 08:30	06/06/25 10:47	PB168269

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-03MS	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050210.D	1	06/04/25 08:30	06/06/25 12:06	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	370		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	420		11.0	100	ug/L
67-72-1	Hexachloroethane	380		6.50	50.0	ug/L
98-95-3	Nitrobenzene	450		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	410		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	490		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	960	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (23) - 110 (138)	81%	SPK: 150
13127-88-3	Phenol-d6	109		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.5		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		15 (44) - 110 (137)	83%	SPK: 150
1718-51-0	Terphenyl-d14	79.5		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	326000	7.787			
1146-65-2	Naphthalene-d8	1270000	10.575			
15067-26-2	Acenaphthene-d10	685000	14.416			
1517-22-2	Phenanthrene-d10	1180000	17.151			
1719-03-5	Chrysene-d12	1090000	21.38			
1520-96-3	Perylene-d12	1220000	24.368			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-03MS	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050210.D	1	06/04/25 08:30	06/06/25 12:06	PB168269

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-03MSD	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050211.D	1	06/04/25 08:30	06/06/25 12:46	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	350		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	420		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.0	100	ug/L
67-72-1	Hexachloroethane	360		6.50	50.0	ug/L
98-95-3	Nitrobenzene	430		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	400		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	920	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		15 (23) - 110 (138)	78%	SPK: 150
13127-88-3	Phenol-d6	106		15 (10) - 110 (134)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.2		30 (67) - 130 (132)	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.1		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	78.0		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	348000	7.786			
1146-65-2	Naphthalene-d8	1350000	10.575			
15067-26-2	Acenaphthene-d10	744000	14.415			
1517-22-2	Phenanthrene-d10	1280000	17.151			
1719-03-5	Chrysene-d12	1130000	21.386			
1520-96-3	Perylene-d12	1250000	24.368			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-03MSD	Matrix:	TCLP
Analytical Method:	8270E	% 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
BM050211.D	1	06/04/25 08:30	06/06/25 12:46	PB168269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050194.D 5 =BM050195.D 10 =BM050196.D 20 =BM050197.D 40 =BM050198.D 50 =BM050199.D 60 =BM050200.D 80 =BM0502
01.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.597	0.552	0.516	0.479	0.511	0.536	0.488	0.526	7.69
3)		Pyridine		1.353	1.352	1.370	1.311	1.425	1.389	1.326	1.361	2.80
4)		n-Nitrosodimet...		0.283	0.265	0.279	0.272	0.297	0.293	0.282	0.281	3.95
5)	S	2-Fluorophenol		1.251	1.193	1.192	1.145	1.238	1.224	1.150	1.199	3.45
6)		Aniline		2.033	2.016	2.147	2.065	2.250	2.064	2.031	2.086	4.02
7)	S	Phenol-d6		1.569	1.521	1.617	1.565	1.699	1.560	1.516	1.578	4.00
8)		2-Chlorophenol		1.289	1.259	1.344	1.295	1.418	1.338	1.288	1.319	4.02
9)		Benzaldehyde		1.188	1.080	1.096	0.878	0.975	0.804		1.003	14.43
10)	C	Phenol		1.673	1.644	1.710	1.644	1.782	1.637	1.600	1.670	3.58
11)		bis(2-Chloroet...		1.396	1.319	1.380	1.315	1.428	1.295	1.269	1.343	4.36
12)		1,3-Dichlorobe...		1.516	1.462	1.491	1.412	1.545	1.485	1.409	1.474	3.46
13)	C	1,4-Dichlorobe...		1.619	1.544	1.564	1.450	1.591	1.525	1.444	1.534	4.34
14)		1,2-Dichlorobe...		1.503	1.456	1.492	1.402	1.540	1.450	1.392	1.462	3.68
15)		Benzyl Alcohol		1.072	1.045	1.152	1.141	1.267	1.102	1.101	1.126	6.43
16)		2,2'-oxybis(1-...		1.012	0.949	0.974	0.909	0.978	0.863	0.845	0.933	6.68
17)		2-Methylphenol		1.078	1.042	1.133	1.108	1.207	1.077	1.068	1.102	4.96
18)		Hexachloroethane		0.564	0.544	0.552	0.533	0.593	0.559	0.543	0.556	3.51
19)	P	n-Nitroso-di-n...	0.847	0.944	0.947	1.072	1.001	1.096	0.906	0.913	0.966	8.82
20)		3+4-Methylphenols		1.367	1.375	1.533	1.509	1.661	1.437	1.438	1.474	6.98
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.515	0.506	0.517	0.476	0.519	0.495	0.470	0.500	4.03
23)	S	Nitrobenzene-d5		0.359	0.362	0.392	0.377	0.414	0.406	0.382	0.385	5.42
24)		Nitrobenzene		0.333	0.337	0.359	0.339	0.370	0.363	0.347	0.350	4.10
25)		Isophorone		0.647	0.624	0.685	0.659	0.733	0.652	0.646	0.664	5.33
26)	C	2-Nitrophenol		0.116	0.124	0.146	0.155	0.178	0.169	0.169	0.151	15.65
27)		2,4-Dimethylph...		0.311	0.298	0.315	0.303	0.332	0.313	0.299	0.310	3.80
28)		bis(2-Chloroet...		0.426	0.413	0.447	0.427	0.470	0.432	0.420	0.434	4.42
29)	C	2,4-Dichloroph...		0.265	0.262	0.289	0.286	0.319	0.300	0.289	0.287	6.83
30)		1,2,4-Trichlor...		0.324	0.307	0.321	0.305	0.337	0.330	0.312	0.319	3.72
31)		Naphthalene		1.111	1.041	1.056	0.977	1.061	1.025	0.969	1.034	4.79
32)		Benzoic acid			0.127	0.176	0.204	0.233	0.211	0.219	0.195	19.69
33)		4-Chloroaniline		0.438	0.423	0.454	0.433	0.477	0.440	0.422	0.441	4.37
34)	C	Hexachlorobuta...		0.188	0.184	0.189	0.182	0.202	0.197	0.188	0.190	3.74
35)		Caprolactam		0.077	0.077	0.093	0.097	0.112	0.092	0.090	0.091	13.48
36)	C	4-Chloro-3-met...		0.293	0.276	0.313	0.313	0.347	0.302	0.299	0.306	7.19
37)		2-Methylnaphth...		0.625	0.592	0.643	0.615	0.679	0.619	0.594	0.624	4.78
38)		1-Methylnaphth...		0.676	0.637	0.689	0.649	0.714	0.648	0.622	0.662	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.586	0.561	0.585	0.541	0.589	0.607	0.574	0.578	3.71
41)	P	Hexachlorocycl...	0.295	0.305	0.339	0.341	0.382	0.401	0.392	0.351	12.02
42)	S	2,4,6-Tribromo...	0.210	0.213	0.238	0.231	0.254	0.233	0.214	0.227	6.99
43)	C	2,4,6-Trichlor...	0.346	0.347	0.379	0.375	0.414	0.402	0.396	0.380	6.93
44)		2,4,5-Trichlor...	0.371	0.382	0.424	0.414	0.457	0.442	0.429	0.417	7.46
45)	S	2-Fluorobiphenyl	1.589	1.536	1.532	1.377	1.463	1.480	1.364	1.477	5.67
46)		1,1'-Biphenyl	1.582	1.513	1.514	1.404	1.526	1.508	1.437	1.498	3.96
47)		2-Chloronaphth...	1.221	1.194	1.180	1.084	1.171	1.177	1.123	1.164	3.94
48)		2-Nitroaniline	0.200	0.206	0.252	0.268	0.302	0.290	0.277	0.256	15.56
49)		Acenaphthylene	1.863	1.834	1.940	1.819	1.978	1.924	1.824	1.883	3.39
50)		Dimethylphthalate	1.339	1.285	1.398	1.343	1.474	1.344	1.284	1.353	4.92
51)		2,6-Dinitrotol...	0.204	0.231	0.284	0.289	0.320	0.297	0.284	0.273	14.82
52)	C	Acenaphthene	1.217	1.176	1.185	1.132	1.228	1.181	1.127	1.178	3.24
53)		3-Nitroaniline	0.231	0.252	0.312	0.323	0.360	0.336	0.314	0.304	15.16
54)	P	2,4-Dinitrophenol		0.093	0.131	0.152	0.179	0.160	0.160	0.146	20.67
55)		Dibenzofuran	1.782	1.710	1.775	1.662	1.797	1.719	1.617	1.723	3.87
56)	P	4-Nitrophenol	0.199	0.216	0.265	0.274	0.307	0.288	0.262	0.259	14.93
57)		2,4-Dinitrotol...	0.250	0.283	0.365	0.396	0.447	0.398	0.380	0.360	19.28
58)		Fluorene	1.413	1.358	1.394	1.267	1.348	1.289	1.169	1.320	6.40
59)		2,3,4,6-Tetrac...	0.338	0.330	0.370	0.365	0.401	0.371	0.350	0.361	6.60
60)		Diethylphthalate	1.314	1.272	1.416	1.346	1.490	1.317	1.238	1.342	6.43
61)		4-Chlorophenyl...	0.675	0.656	0.667	0.611	0.660	0.623	0.573	0.638	5.81
62)		4-Nitroaniline	0.213	0.236	0.291	0.308	0.342	0.319	0.285	0.285	16.00
63)		Azobenzene	1.342	1.330	1.415	1.313	1.443	1.316	1.230	1.341	5.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.101	0.111	0.128	0.120	0.121	0.109	17.72
66)	c	n-Nitrosodiphe...	0.630	0.626	0.639	0.594	0.646	0.639	0.625	0.628	2.73
67)		4-Bromophenyl-...	0.207	0.204	0.215	0.204	0.228	0.217	0.218	0.213	4.13
68)		Hexachlorobenzene	0.249	0.240	0.253	0.238	0.261	0.255	0.249	0.249	3.29
69)		Atrazine	0.166	0.177	0.206	0.206	0.231	0.212	0.204	0.200	10.86
70)	C	Pentachlorophenol	0.133	0.138	0.165	0.164	0.187	0.177	0.171	0.162	12.21
71)		Phenanthrene	1.239	1.156	1.160	1.071	1.161	1.144	1.068	1.143	5.14
72)		Anthracene	1.167	1.135	1.175	1.086	1.181	1.165	1.092	1.143	3.46
73)		Carbazole	1.041	1.003	1.063	1.009	1.103	1.085	0.985	1.041	4.30
74)		Di-n-butylphth...	0.998	1.007	1.187	1.159	1.300	1.187	1.093	1.133	9.53
75)	C	Fluoranthene	1.180	1.139	1.231	1.178	1.301	1.284	1.121	1.205	5.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.381	0.568	0.617	0.689	0.600	0.520	0.562	18.64
78)		Pyrene	1.331	1.307	1.444	1.324	1.423	1.274	1.334	1.348	4.61
79)	S	Terphenyl-d14	1.148	1.088	1.165	1.010	1.064	0.955	0.957	1.055	8.06
80)		Butylbenzylpht...	0.322	0.347	0.460	0.490	0.563	0.480	0.485	0.450	18.95
81)		Benzo(a)anthra...	1.271	1.231	1.298	1.218	1.338	1.280	1.225	1.266	3.47
82)		3,3'-Dichlorob...	0.265	0.301	0.379	0.415	0.476	0.450	0.416	0.386	19.97
83)		Chrysene	1.235	1.184	1.225	1.151	1.256	1.217	1.161	1.204	3.27
84)		Bis(2-ethylhex...	0.525	0.574	0.702	0.740	0.851	0.741	0.714	0.693	15.84
85)	c	Di-n-octyl pht...	0.641	0.729	0.936	1.114	1.359	1.245	1.169	1.028	26.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.189	1.183	1.254	1.191	1.318	1.472	1.407	1.288	8.99
88)		Benzo(b)fluora...	1.104	1.082	1.205	1.170	1.269	1.178	1.132	1.163	5.46
89)		Benzo(k)fluora...	1.141	1.149	1.222	1.167	1.295	1.190	1.144	1.187	4.71
90)	C	Benzo(a)pyrene	0.994	1.007	1.111	1.081	1.197	1.153	1.111	1.093	6.73
91)		Dibenzo(a,h)an...	0.954	0.966	1.021	0.972	1.075	1.188	1.141	1.045	8.83
92)		Benzo(g,h,i)pe...	1.002	0.978	1.013	0.954	1.037	1.194	1.146	1.046	8.57

(#) = 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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_M Calibration Date/Time: 06/06/2025 09:29

Lab File ID: BM050206.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.361	1.358		-0.2	
2-Fluorophenol	1.199	1.202		0.3	
Phenol-d6	1.578	1.546		-2.0	
1,4-Dichlorobenzene	1.534	1.457		-5.0	20.0
2-Methylphenol	1.102	1.055		-4.3	
3+4-Methylphenols	1.474	1.406		-4.6	
Nitrobenzene-d5	0.385	0.379		-1.6	
Hexachloroethane	0.555	0.534		-3.8	
Nitrobenzene	0.350	0.343		-2.0	
Hexachlorobutadiene	0.190	0.177		-6.8	20.0
2,4,6-Trichlorophenol	0.380	0.368		-3.2	20.0
2-Fluorobiphenyl	1.477	1.393		-5.7	
2,4,5-Trichlorophenol	0.417	0.407		-2.4	
2,4-Dinitrotoluene	0.360	0.386		7.2	
2,4,6-Tribromophenol	0.227	0.225		-0.9	
Hexachlorobenzene	0.249	0.231		-7.2	
Pentachlorophenol	0.162	0.161		-0.6	20.0
Terphenyl-d14	1.055	0.942		-10.7	

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_M Calibration Date/Time: 06/06/2025 21:23

Lab File ID: BM050223.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.361	1.385		1.8	
2-Fluorophenol	1.199	1.211		1.0	
Phenol-d6	1.578	1.509		-4.4	
1,4-Dichlorobenzene	1.534	1.456		-5.1	20.0
2-Methylphenol	1.102	1.030		-6.5	
3+4-Methylphenols	1.474	1.350		-8.4	
Nitrobenzene-d5	0.385	0.383		-0.5	
Hexachloroethane	0.555	0.553		-0.4	
Nitrobenzene	0.350	0.352		0.6	
Hexachlorobutadiene	0.190	0.178		-6.3	20.0
2,4,6-Trichlorophenol	0.380	0.368		-3.2	20.0
2-Fluorobiphenyl	1.477	1.470		-0.5	
2,4,5-Trichlorophenol	0.417	0.402		-3.6	
2,4-Dinitrotoluene	0.360	0.337		-6.4	
2,4,6-Tribromophenol	0.227	0.216		-4.8	
Hexachlorobenzene	0.249	0.244		-2.0	
Pentachlorophenol	0.162	0.221		36.4	20.0
Terphenyl-d14	1.055	1.019		-3.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050203.D
Acq On : 05 Jun 2025 16:35
Operator : RC/JU
Sample : PB168224TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Quant Time: Jun 05 17:43:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

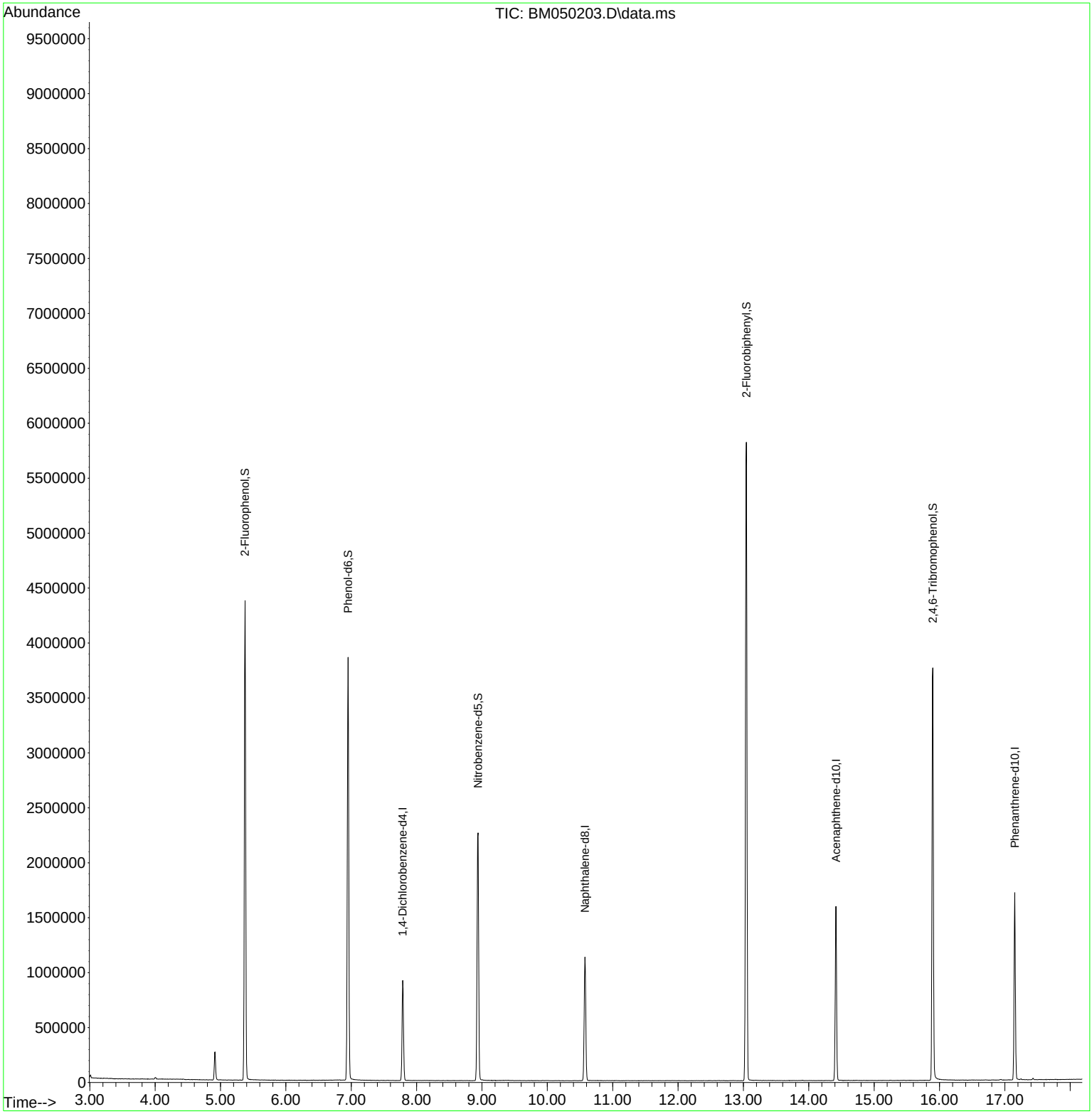
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	259307	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	956559	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	522891	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	932766	20.000	ng	0.00
76) Chrysene-d12	21.380	240	869671	20.000	ng	0.00
86) Perylene-d12	24.374	264	921150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2041130	131.307	ng	0.00
7) Phenol-d6	6.952	99	2485850	121.480	ng	0.00
23) Nitrobenzene-d5	8.940	82	1472280	80.048	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	712283	119.761	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3094556	80.123	ng	0.00
79) Terphenyl-d14	19.780	244	3588909	78.203	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050203.D
Acq On : 05 Jun 2025 16:35
Operator : RC/JU
Sample : PB168224TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168224TB

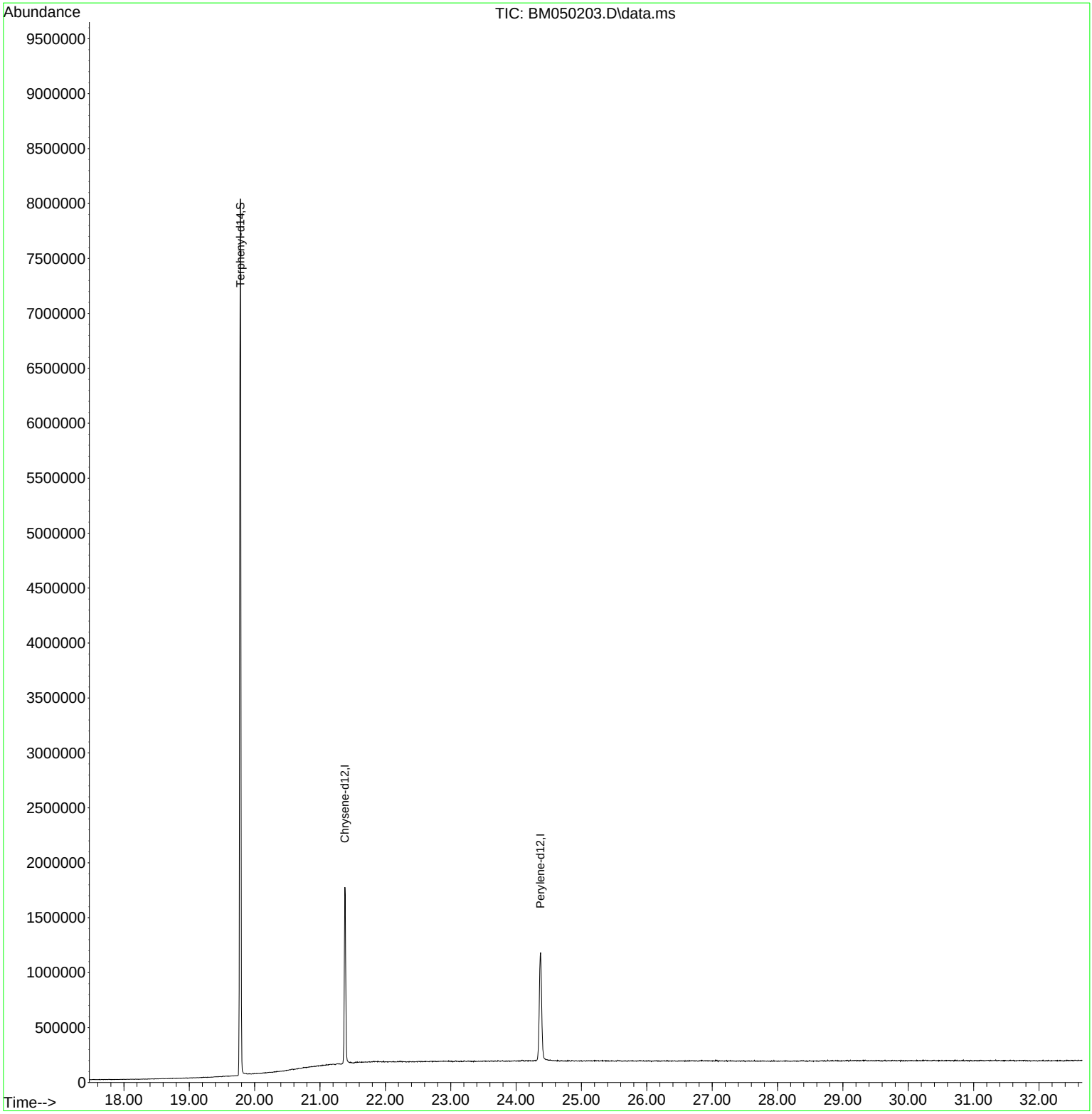
Quant Time: Jun 05 17:43:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

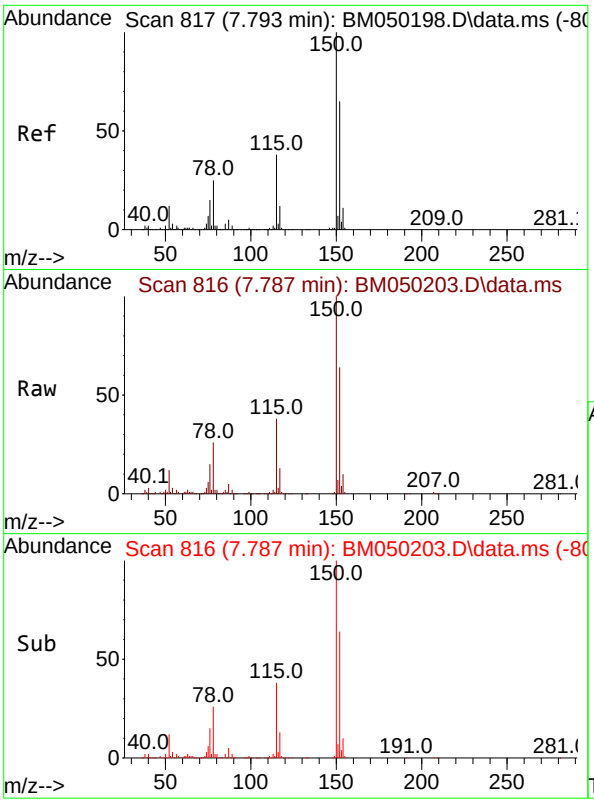


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050203.D
Acq On : 05 Jun 2025 16:35
Operator : RC/JU
Sample : PB168224TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Quant Time: Jun 05 17:43:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



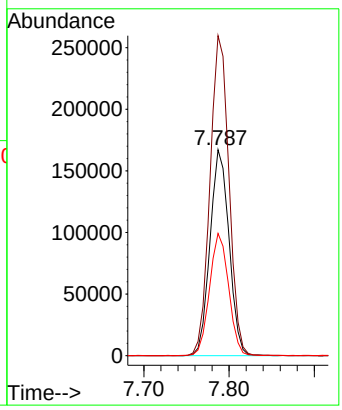


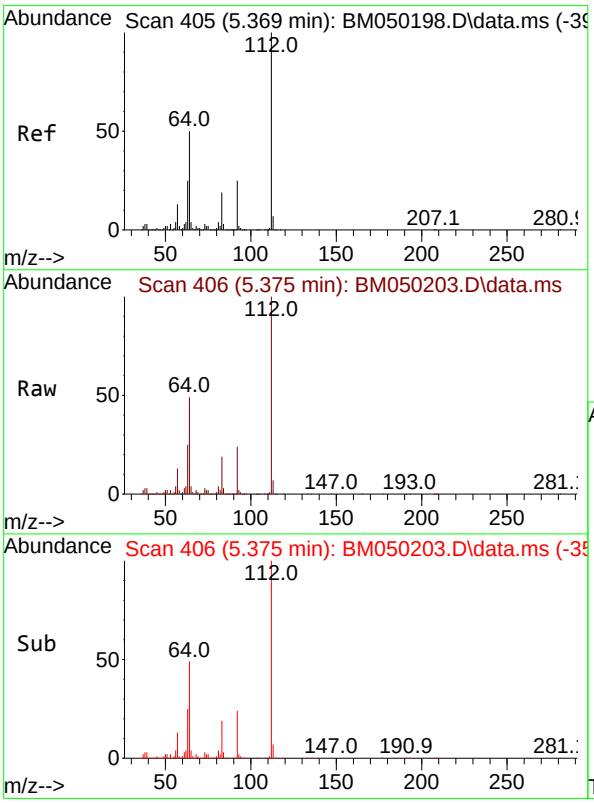
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion:152 Resp: 259307

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.2	183.4
115	59.4	46.3	69.5

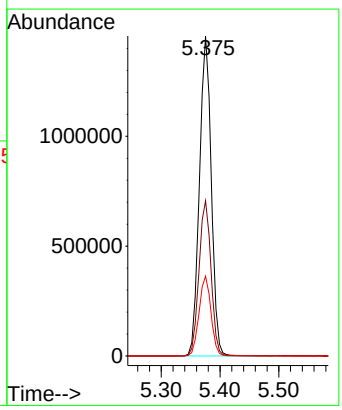


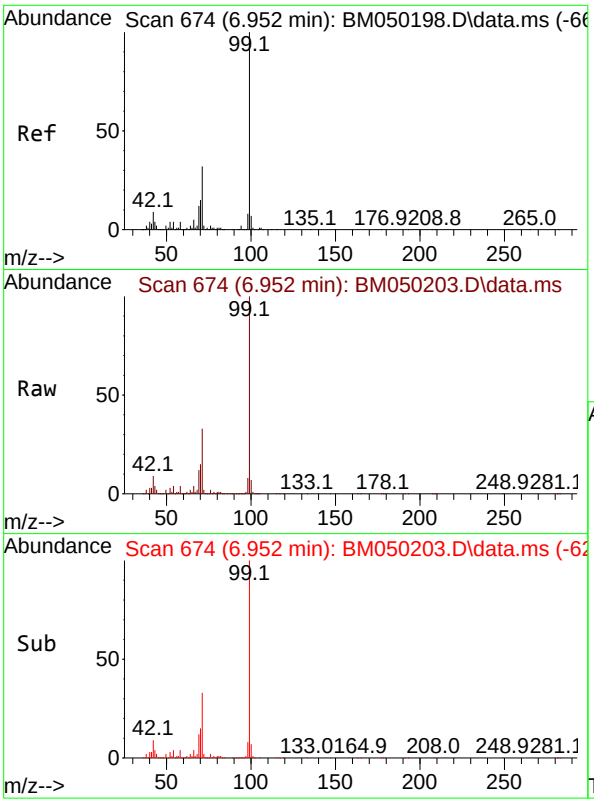


#5
2-Fluorophenol
Concen: 131.307 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:112 Resp: 2041130

Ion	Ratio	Lower	Upper
112	100		
64	48.5	39.8	59.6
63	24.9	19.8	29.8



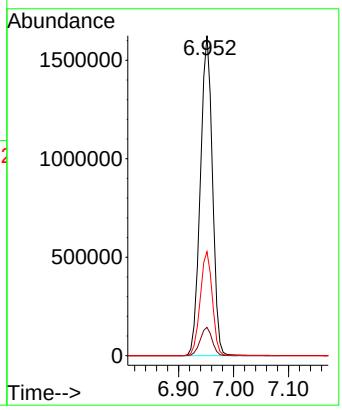


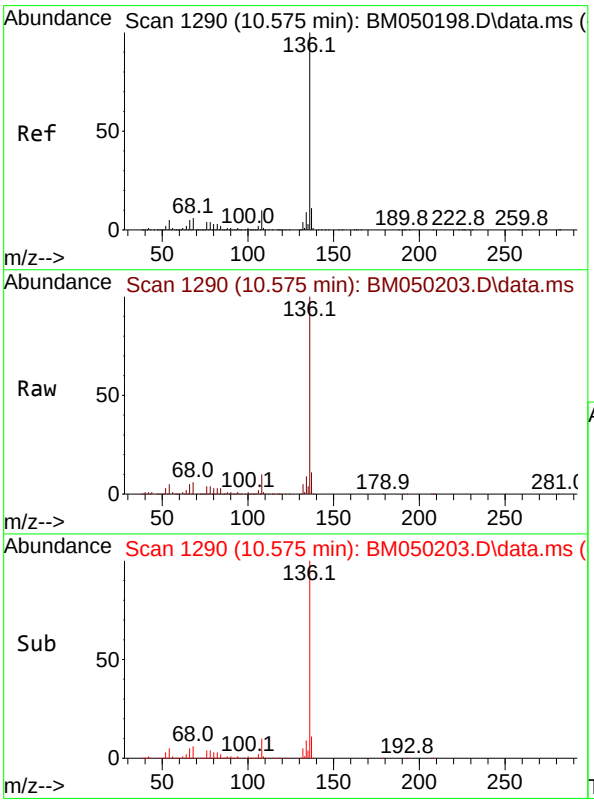
#7
Phenol-d6
Concen: 121.480 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion: 99 Resp: 2485850

Ion	Ratio	Lower	Upper
99	100		
42	8.8	6.9	10.3
71	32.5	25.3	37.9

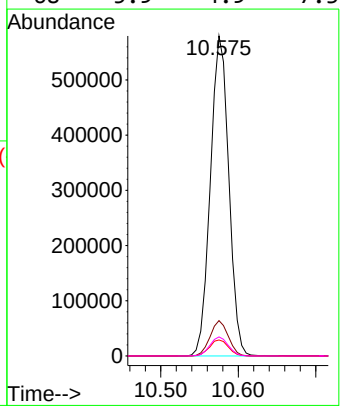


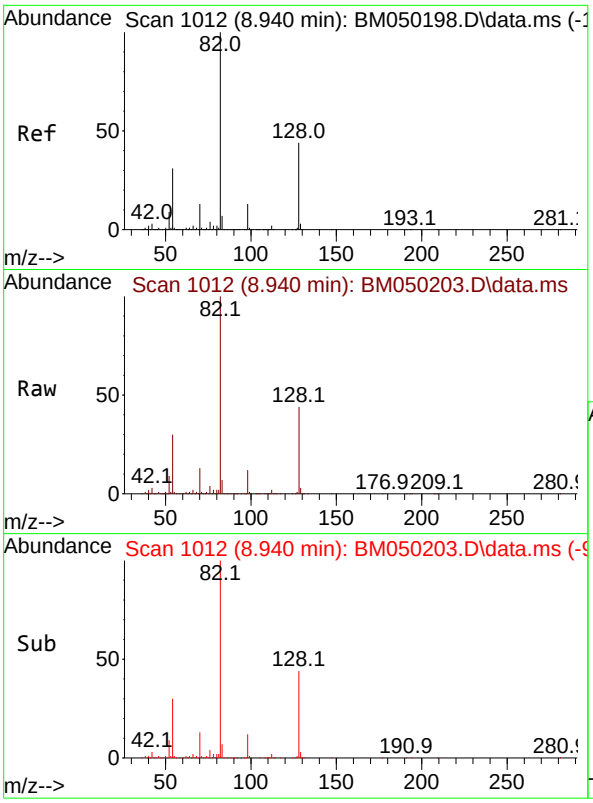


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:136 Resp: 956559

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.0	3.8	5.8
68	5.9	4.9	7.3



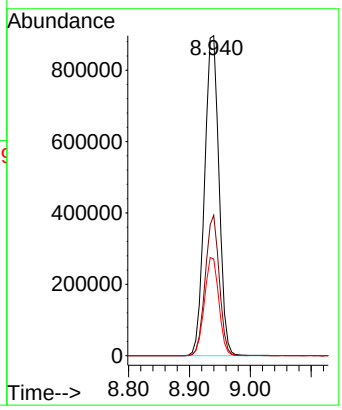


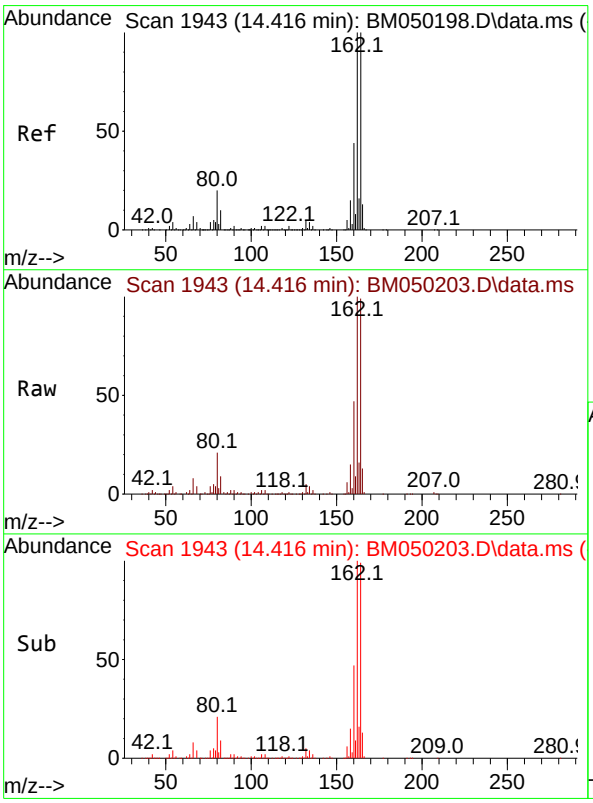
#23
Nitrobenzene-d5
Concen: 80.048 ng
RT: 8.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion: 82 Resp: 1472280

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.2	52.8
54	30.3	24.5	36.7

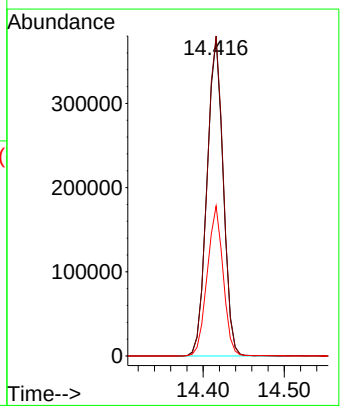


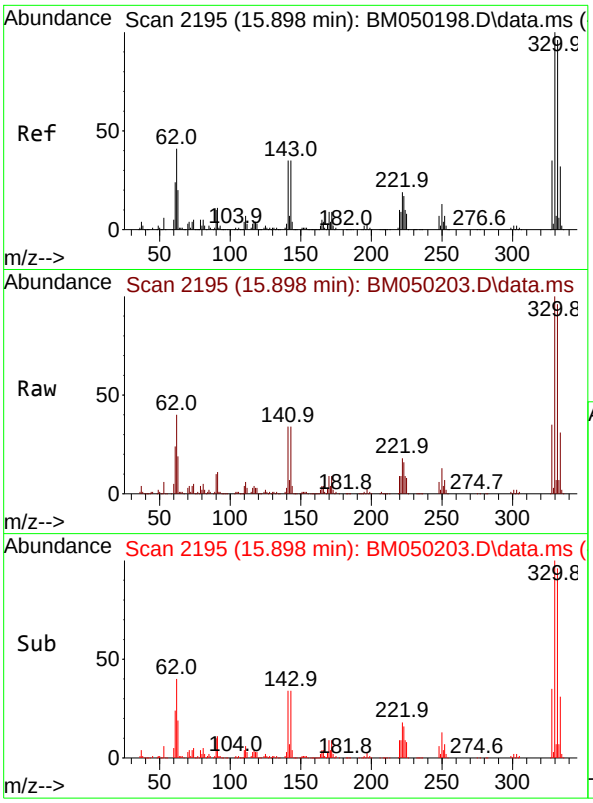


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:164 Resp: 522891

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.4
160	47.2	35.7	53.5



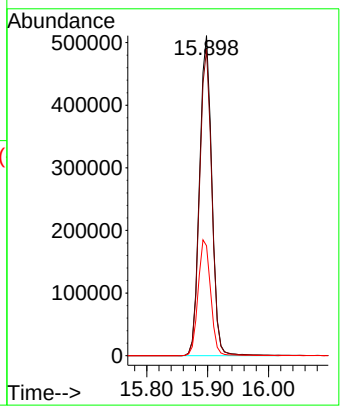


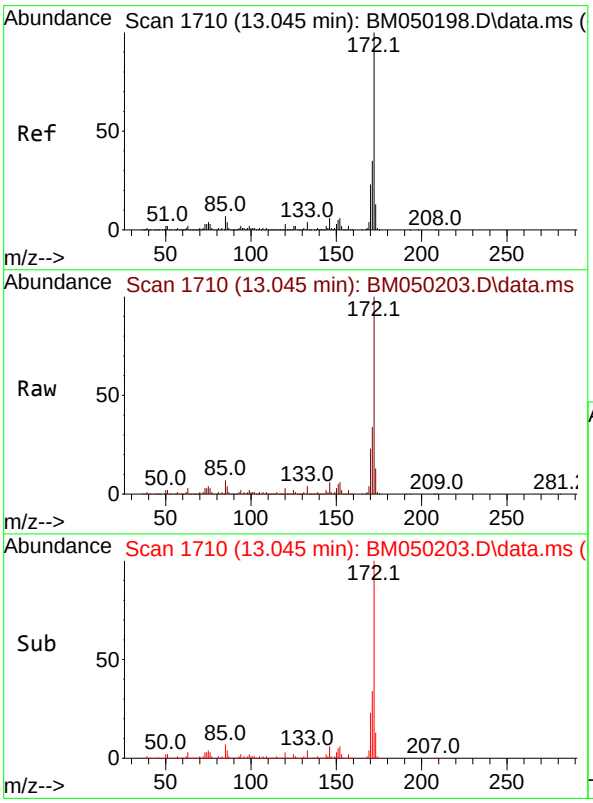
#42
2,4,6-Tribromophenol
Concen: 119.761 ng
RT: 15.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion:330 Resp: 712283

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.5	116.3
141	37.0	28.8	43.2

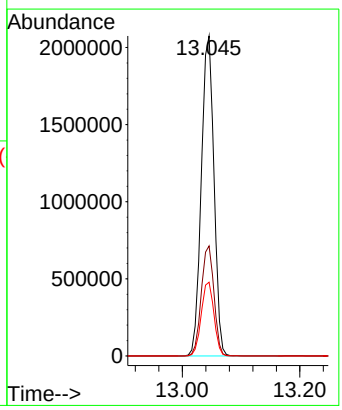


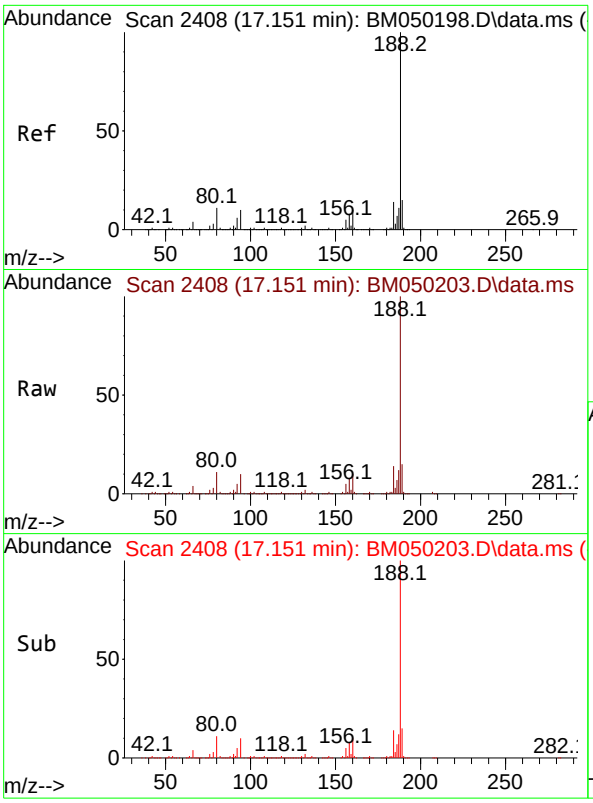


#45
2-Fluorobiphenyl
Concen: 80.123 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:172 Resp: 3094556

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.0	18.6	27.8



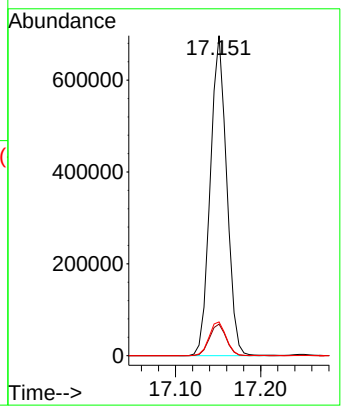


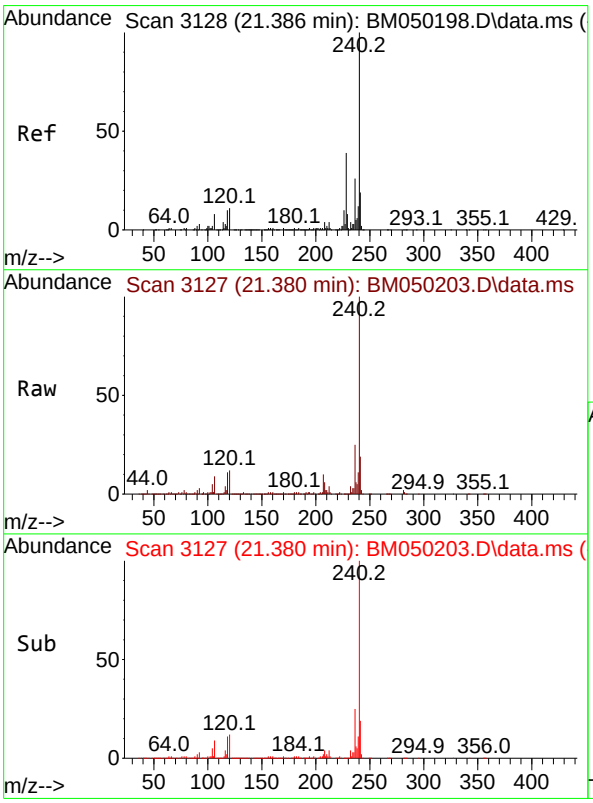
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion:188 Resp: 932766

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.1	12.1
80	10.6	8.6	13.0

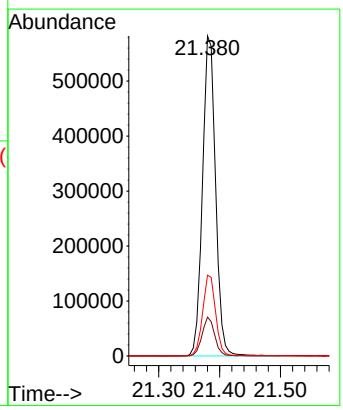


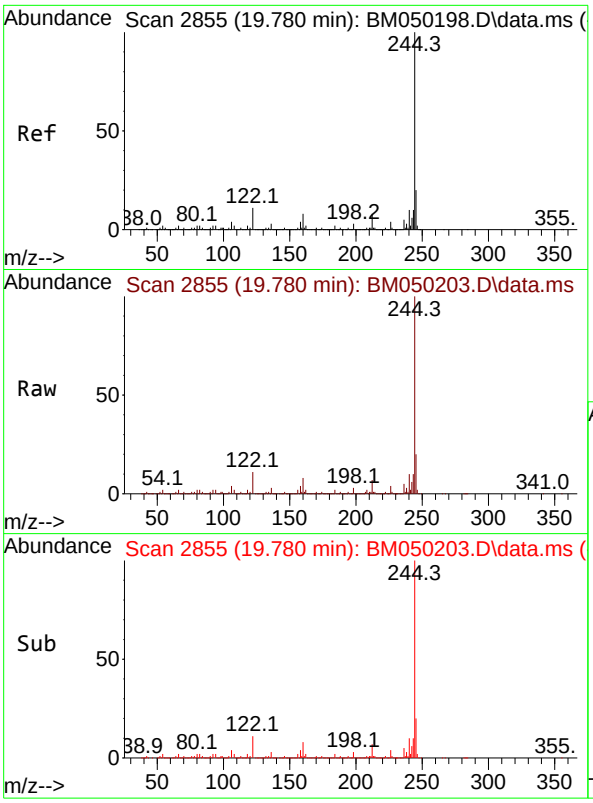


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:240 Resp: 869671

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.4
236	25.2	20.7	31.1



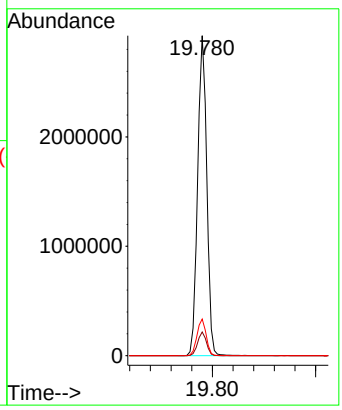


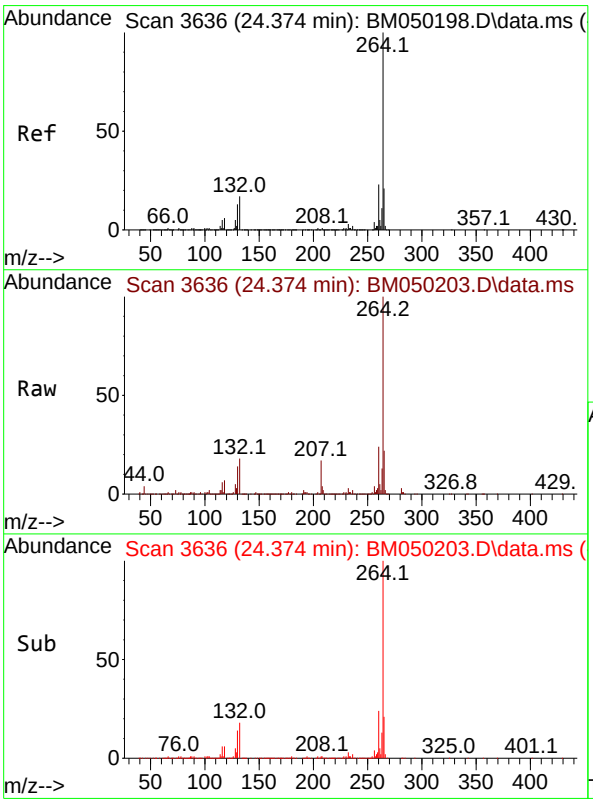
#79
Terphenyl-d14
Concen: 78.203 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Instrument :
BNA_M
ClientSampleId :
PB168224TB

Tgt Ion:244 Resp: 3588909

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.4	8.6	12.8

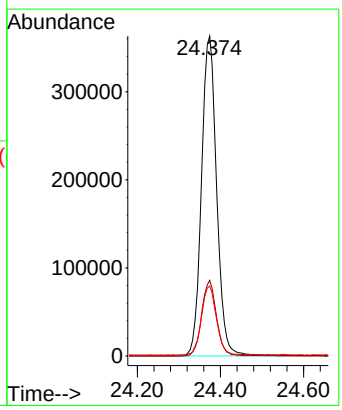




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM050203.D
Acq: 05 Jun 2025 16:35

Tgt Ion:264 Resp: 921150

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.8	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050209.D
Acq On : 06 Jun 2025 11:27
Operator : RC/JU
Sample : Q2177-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Quant Time: Jun 06 12:11:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

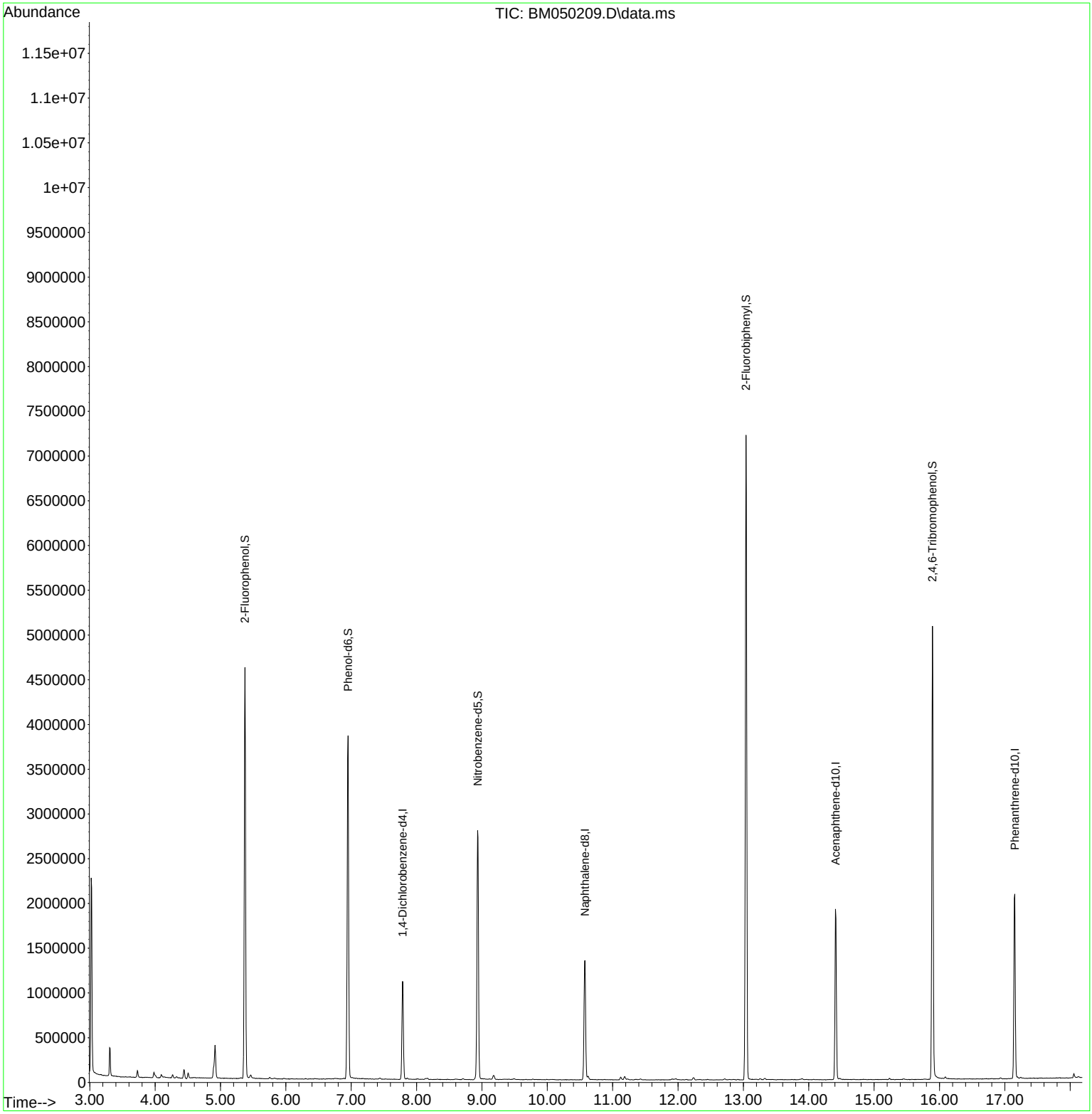
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	304642	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1159115	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	659350	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1216071	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1157737	20.000	ng	0.00
86) Perylene-d12	24.368	264	1244732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2178864	119.309	ng	0.00
7) Phenol-d6	6.951	99	2491728	103.646	ng	0.00
23) Nitrobenzene-d5	8.934	82	1787618	80.208	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	943327	125.783	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3806562	78.161	ng	-0.01
79) Terphenyl-d14	19.780	244	4737529	77.545	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050209.D
Acq On : 06 Jun 2025 11:27
Operator : RC/JU
Sample : Q2177-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

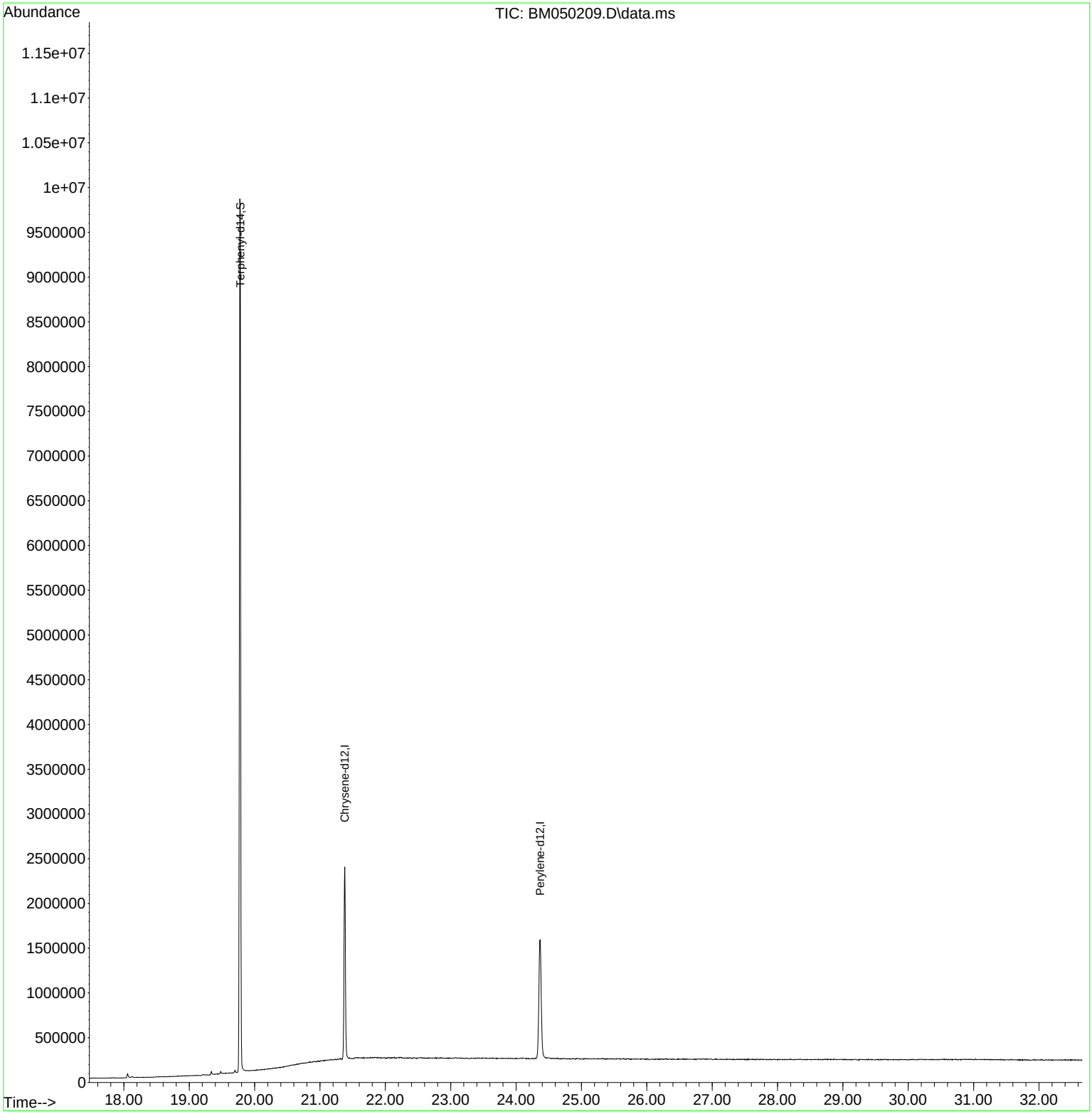
Quant Time: Jun 06 12:11:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



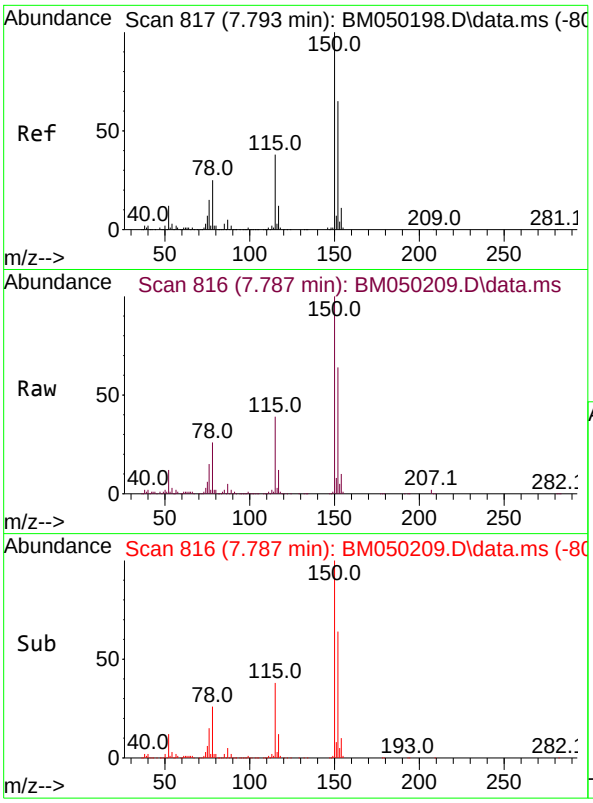
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050209.D
Acq On : 06 Jun 2025 11:27
Operator : RC/JU
Sample : Q2177-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Quant Time: Jun 06 12:11:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



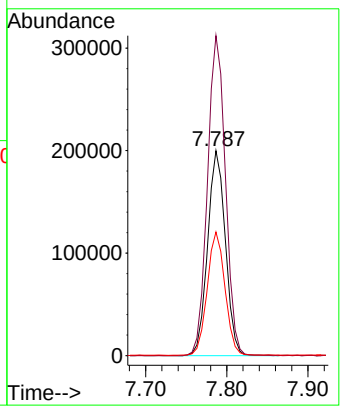
Instrument :
BNA_M
ClientSampleId :
B-187-SB01

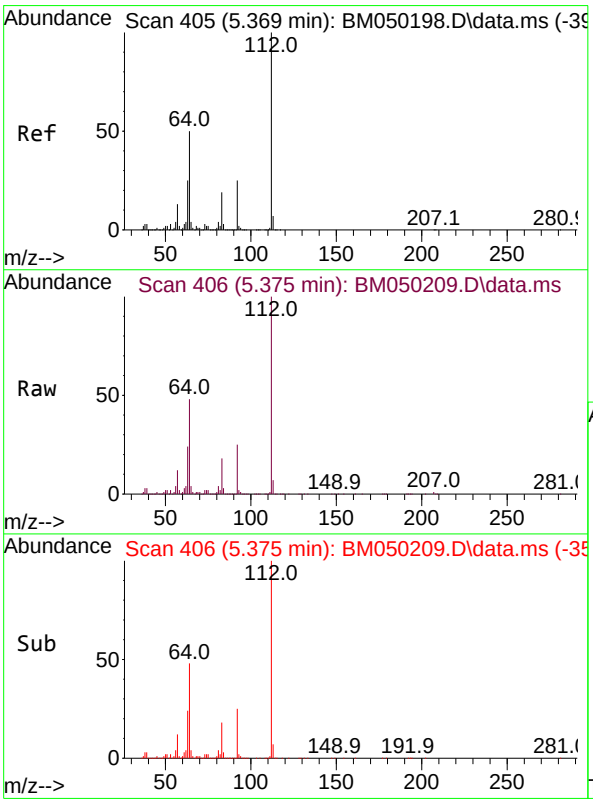


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:152 Resp: 304642

Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.2	183.4
115	60.3	46.3	69.5

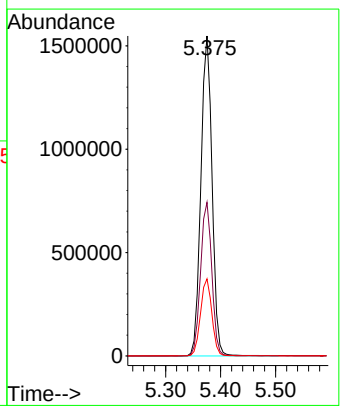


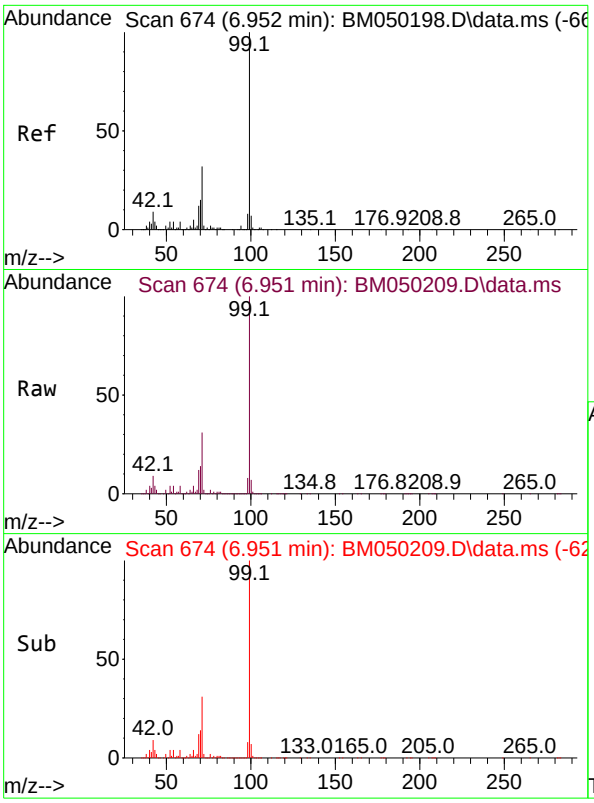


#5
2-Fluorophenol
Concen: 119.309 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:112 Resp: 2178864

Ion	Ratio	Lower	Upper
112	100		
64	48.0	39.8	59.6
63	24.1	19.8	29.8



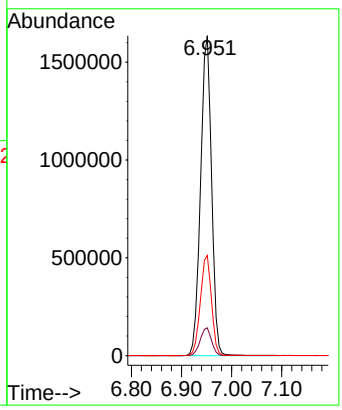


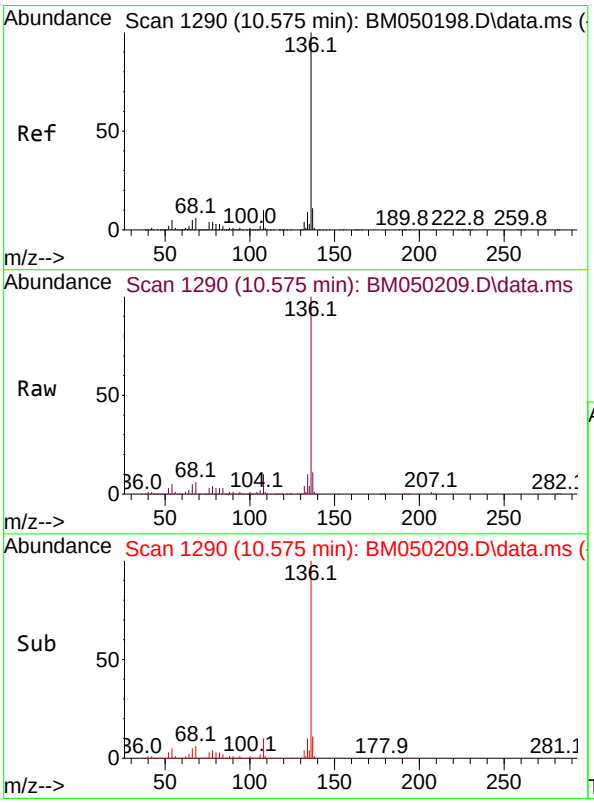
#7
Phenol-d6
Concen: 103.646 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Tgt Ion: 99 Resp: 2491728

Ion	Ratio	Lower	Upper
99	100		
42	8.7	6.9	10.3
71	31.3	25.3	37.9

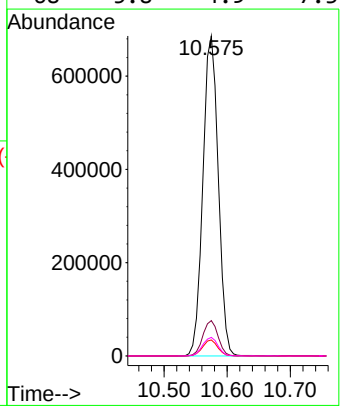


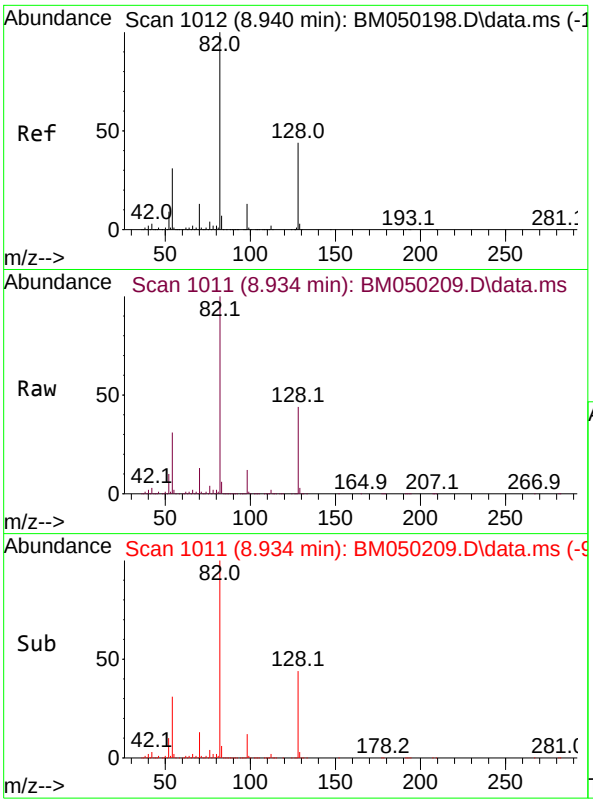


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:136 Resp: 1159115

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.0	3.8	5.8
68	5.8	4.9	7.3



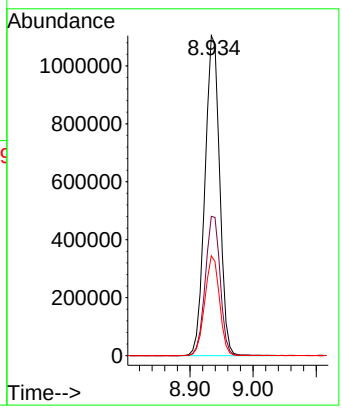


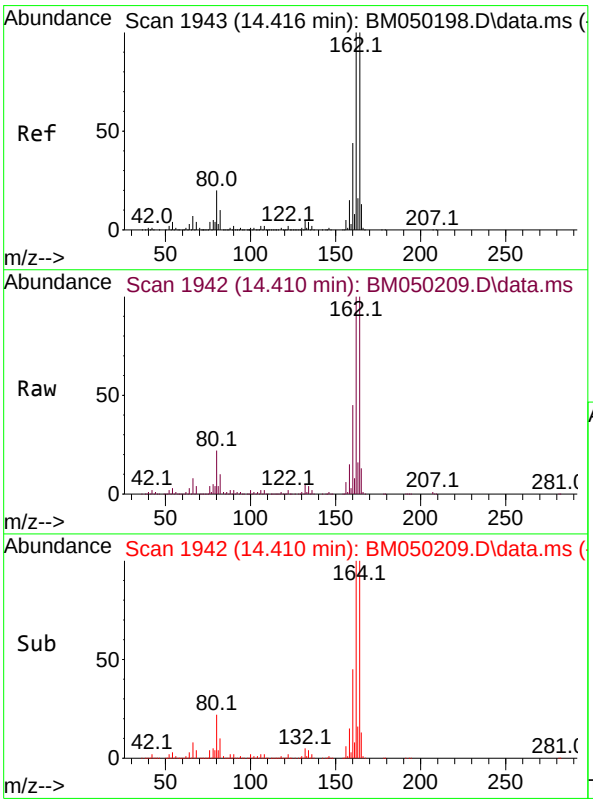
#23
Nitrobenzene-d5
Concen: 80.208 ng
RT: 8.934 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Tgt Ion: 82 Resp: 1787618

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.2	52.8
54	31.2	24.5	36.7

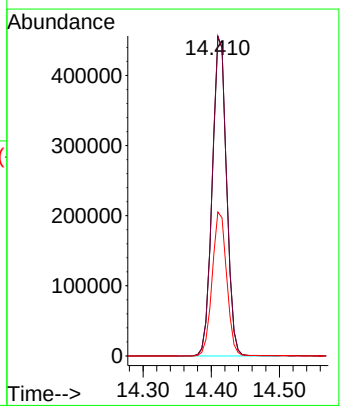


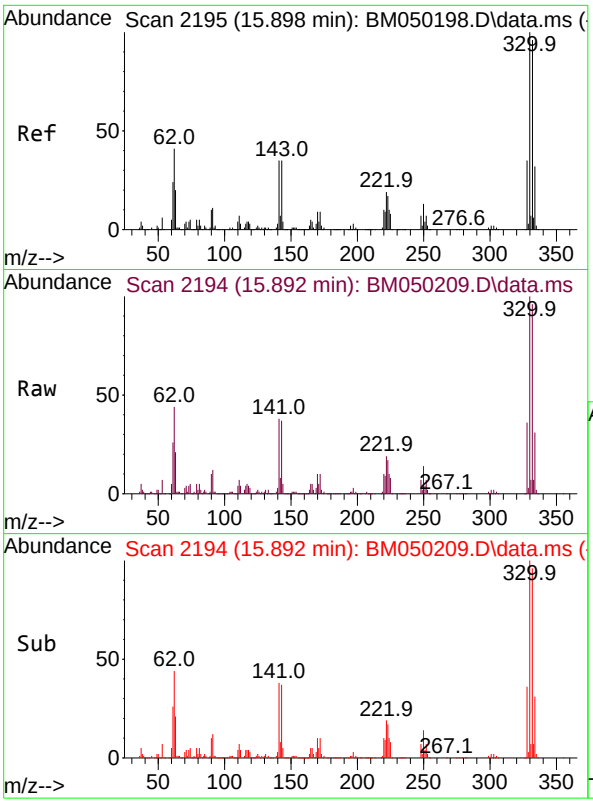


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:164 Resp: 659350

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	45.2	35.7	53.5



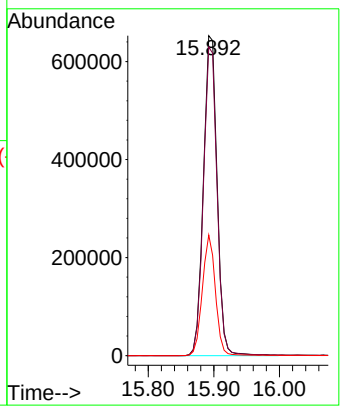


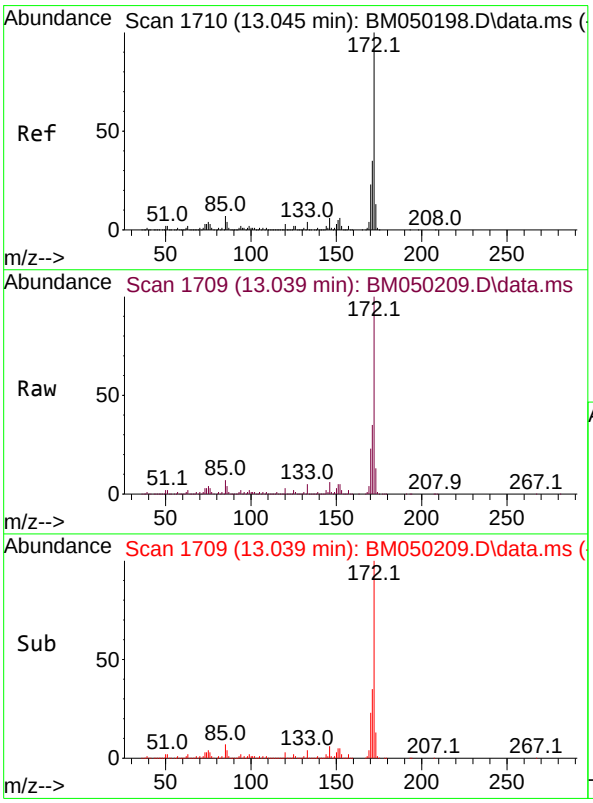
#42
2,4,6-Tribromophenol
Concen: 125.783 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Tgt Ion:330 Resp: 943327

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	36.0	28.8	43.2

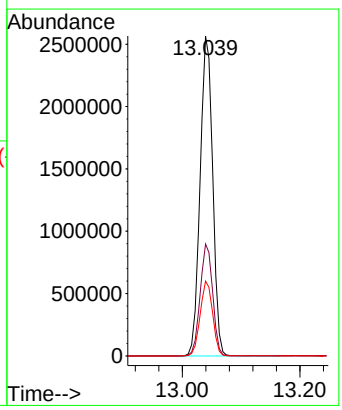


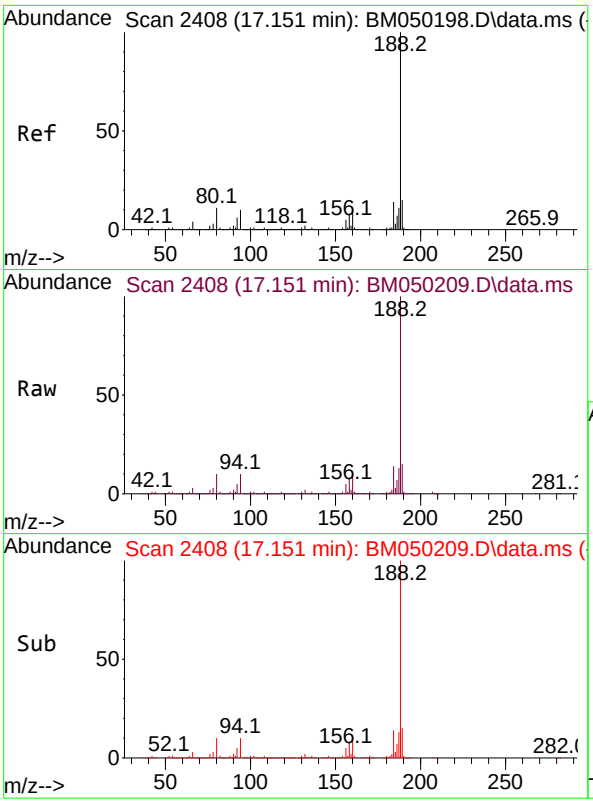


#45
2-Fluorobiphenyl
Concen: 78.161 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:172 Resp: 3806562

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.4	18.6	27.8



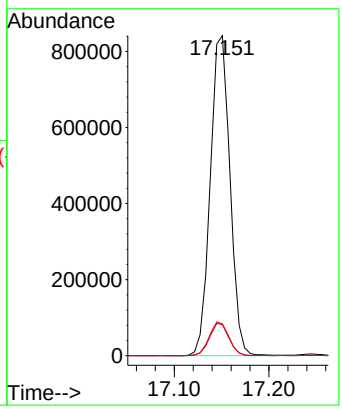


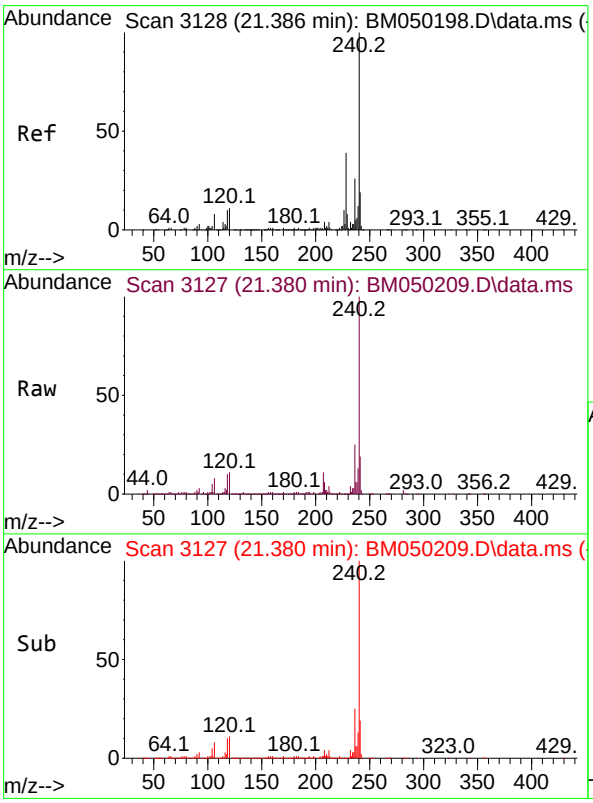
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Tgt Ion:188 Resp: 1216071

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.1	12.1
80	10.0	8.6	13.0

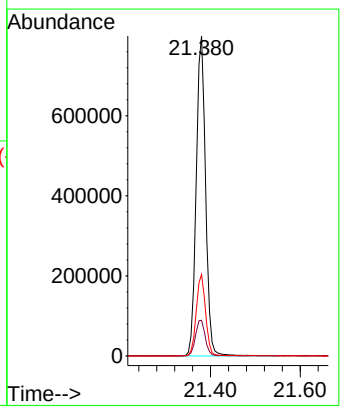


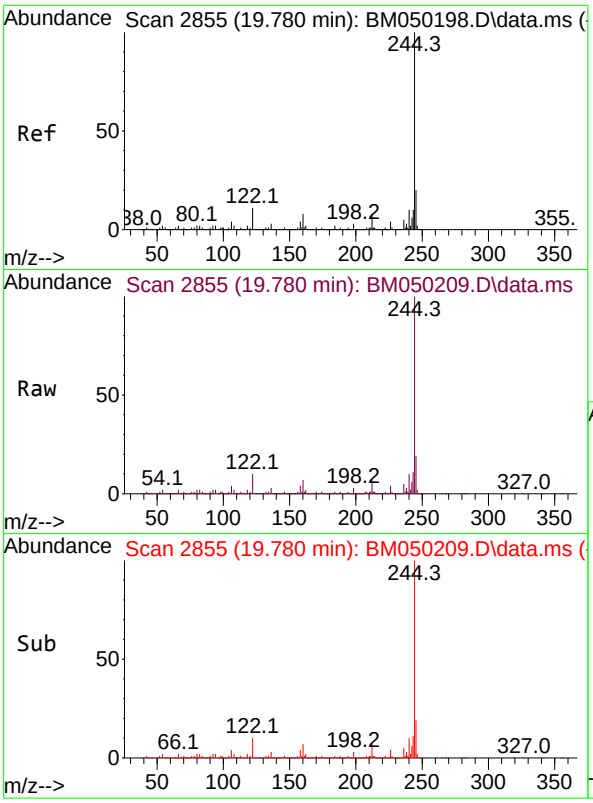


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:240 Resp: 1157737

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.4	20.7	31.1



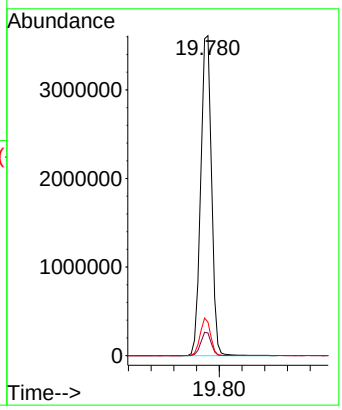


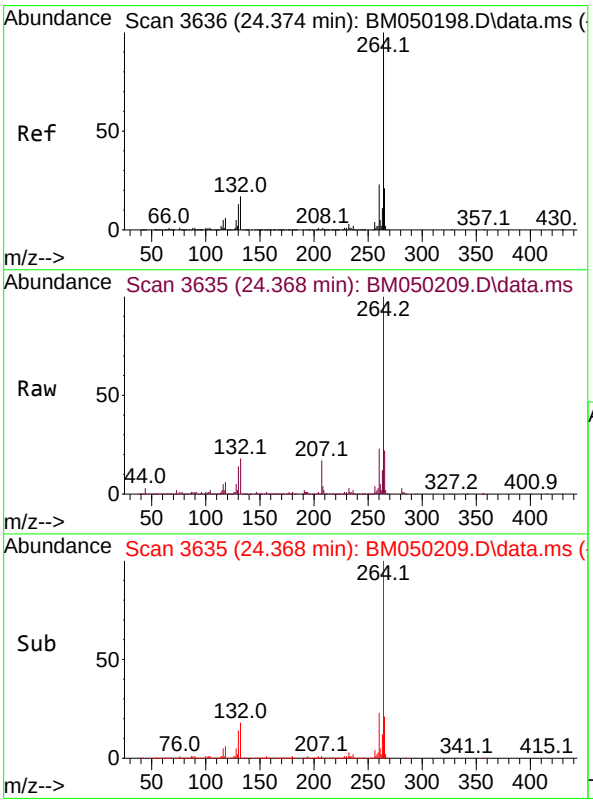
#79
Terphenyl-d14
Concen: 77.545 ng
RT: 19.780 min Scan# 28
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Instrument :
BNA_M
ClientSampleId :
B-187-SB01

Tgt Ion:244 Resp: 4737529

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.5	8.6	12.8

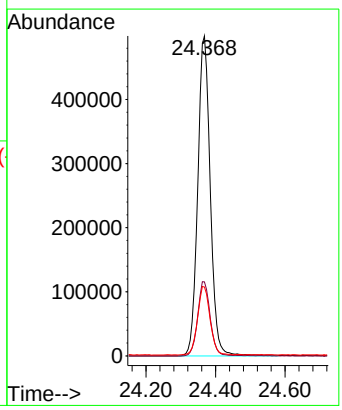




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.368 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM050209.D
Acq: 06 Jun 2025 11:27

Tgt Ion:264 Resp: 1244732

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.5	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050232.D
Acq On : 07 Jun 2025 03:20
Operator : RC/JU
Sample : Q2177-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Quant Time: Jun 07 04:09:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

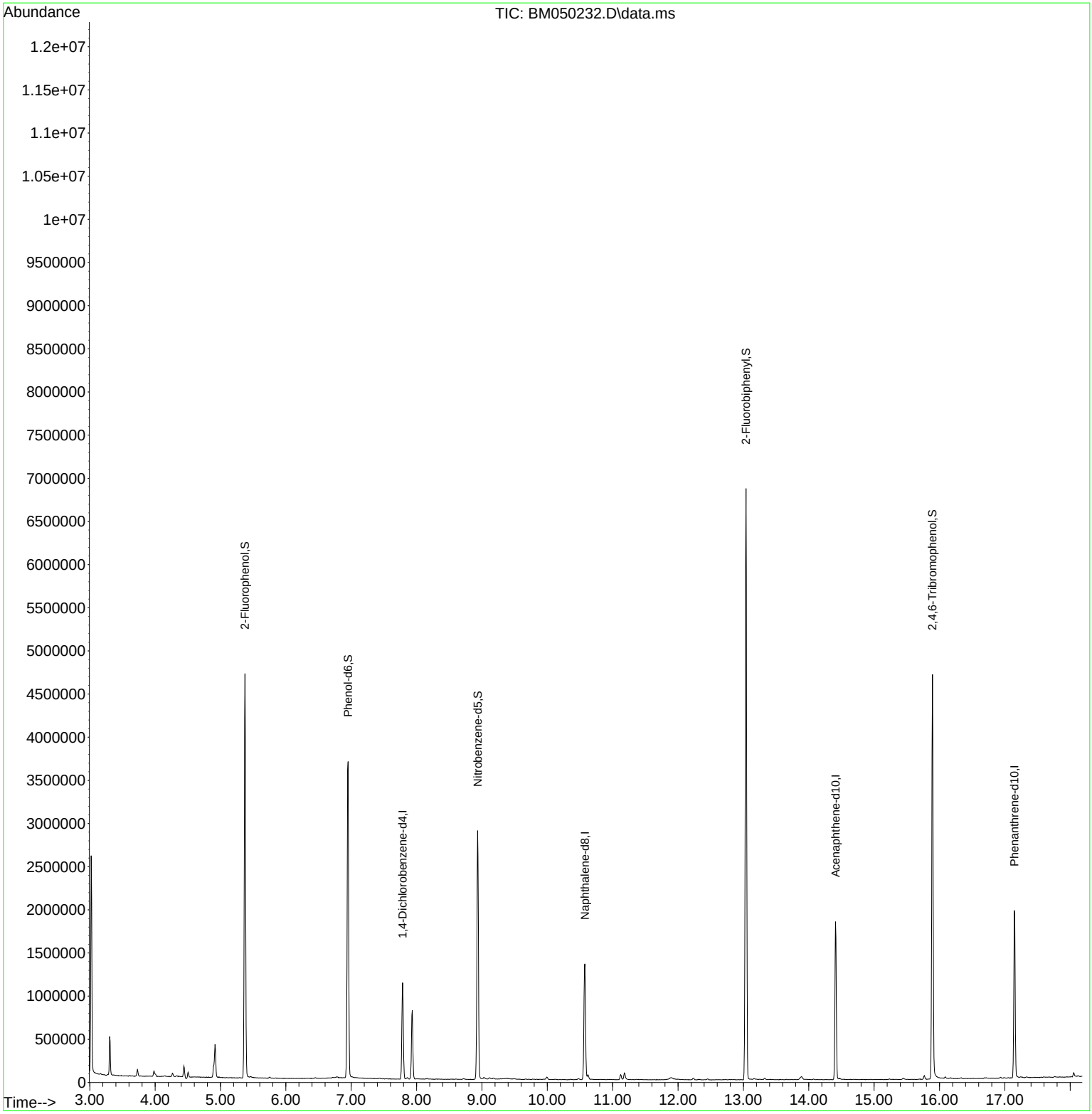
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	305472	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1153728	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	611005	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1089581	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1091419	20.000	ng	-0.01
86) Perylene-d12	24.362	264	1171439	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2187255	119.443	ng	0.00
7) Phenol-d6	6.951	99	2358204	97.826	ng	0.00
23) Nitrobenzene-d5	8.933	82	1789228	80.655	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	838659	120.675	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3530581	78.230	ng	-0.01
79) Terphenyl-d14	19.774	244	4581312	79.545	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050232.D
Acq On : 07 Jun 2025 03:20
Operator : RC/JU
Sample : Q2177-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

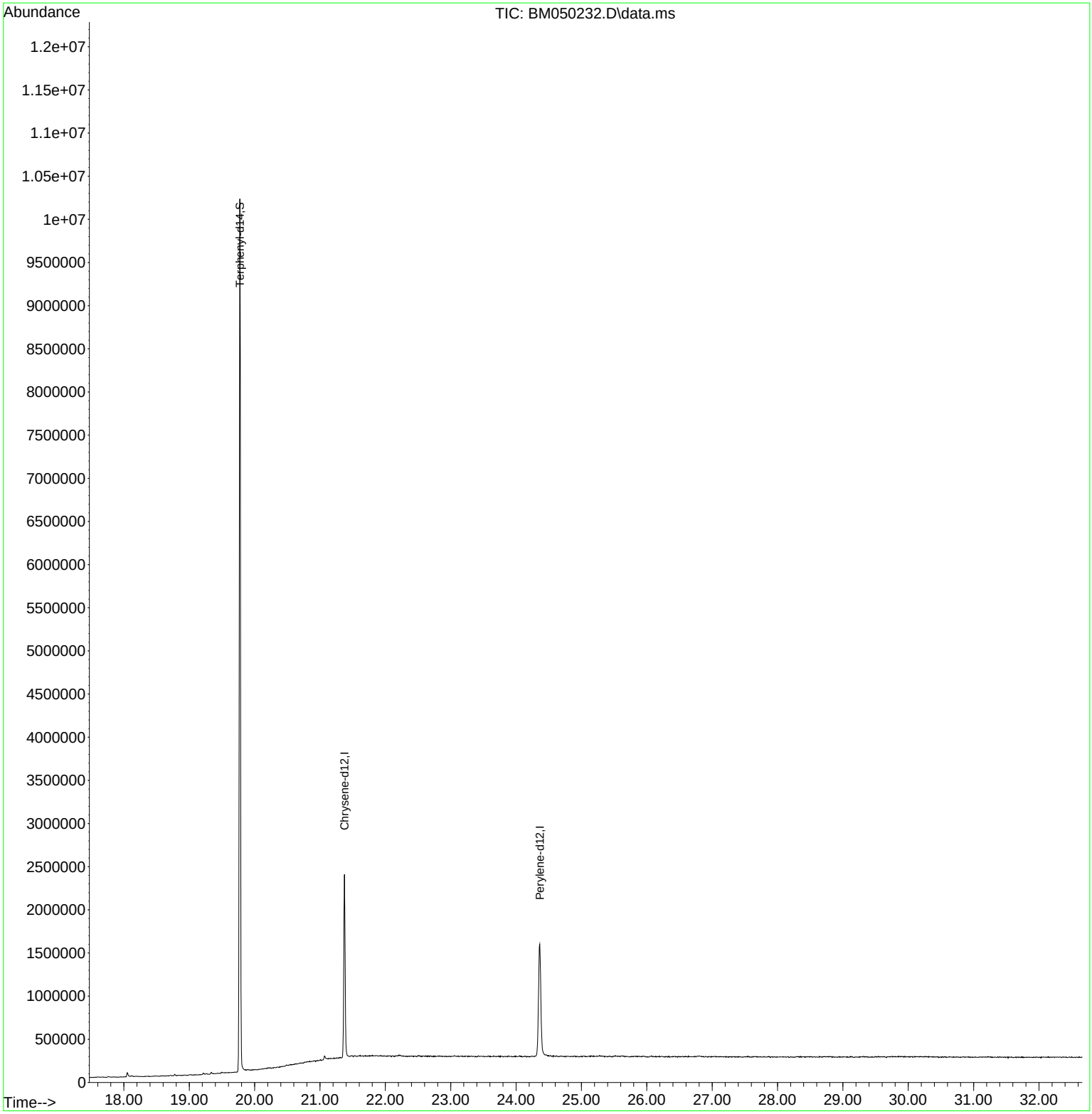
Quant Time: Jun 07 04:09:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

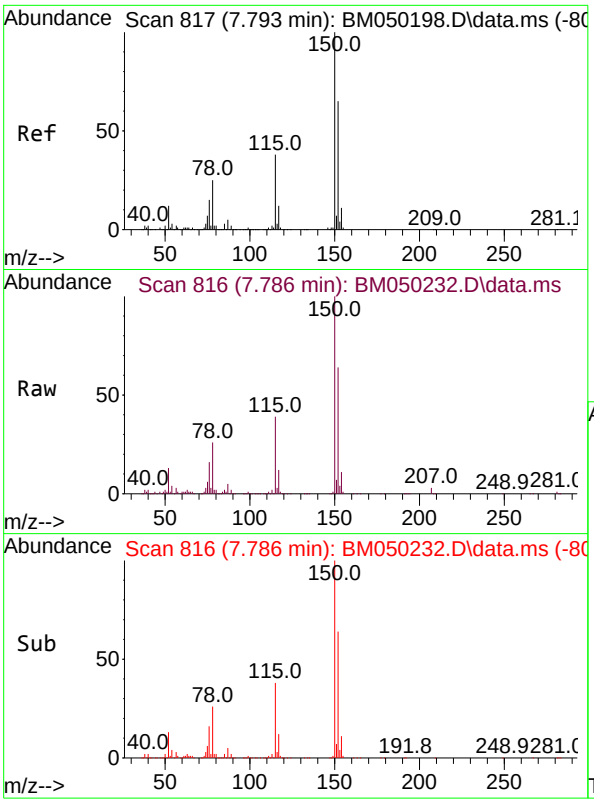


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050232.D
Acq On : 07 Jun 2025 03:20
Operator : RC/JU
Sample : Q2177-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Quant Time: Jun 07 04:09:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



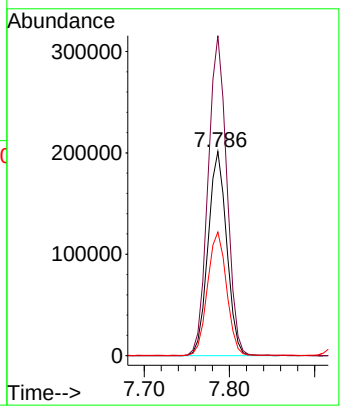


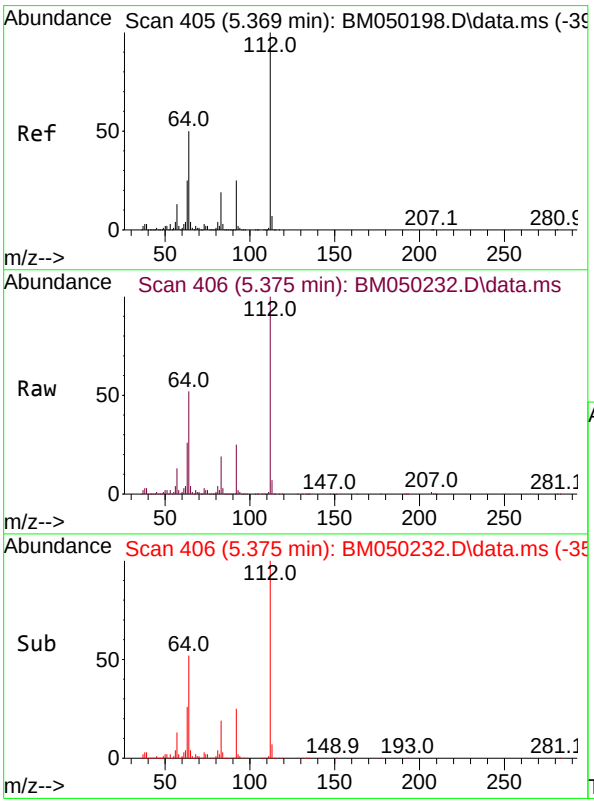
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.007 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion:152 Resp: 305472

Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.2	183.4
115	60.5	46.3	69.5

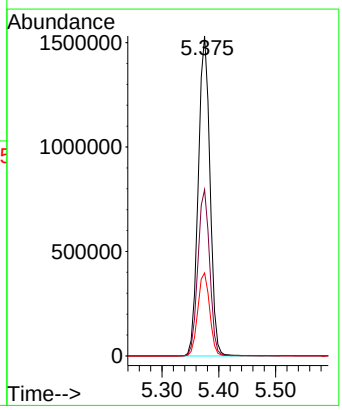


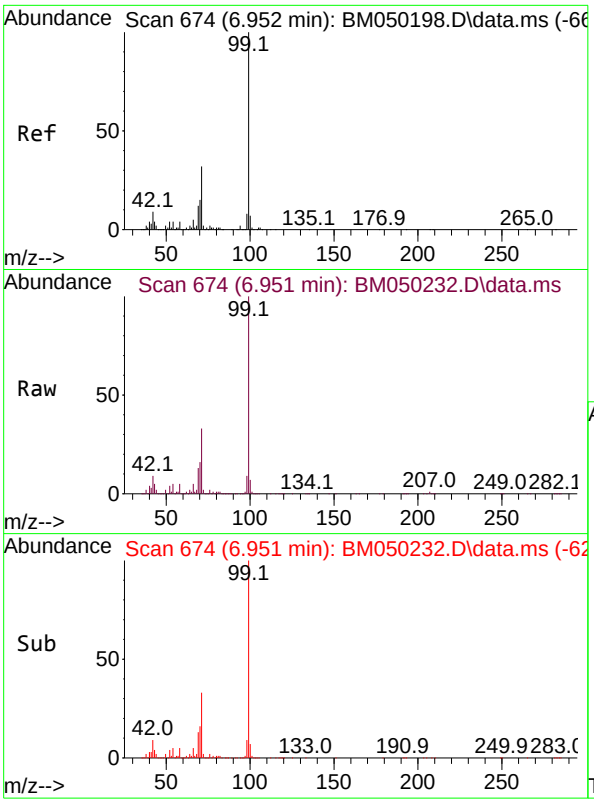


#5
2-Fluorophenol
Concen: 119.443 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:112 Resp: 2187255

Ion	Ratio	Lower	Upper
112	100		
64	51.9	39.8	59.6
63	25.9	19.8	29.8



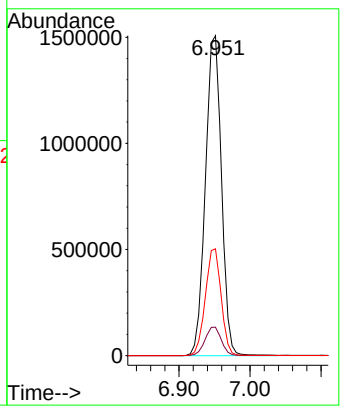


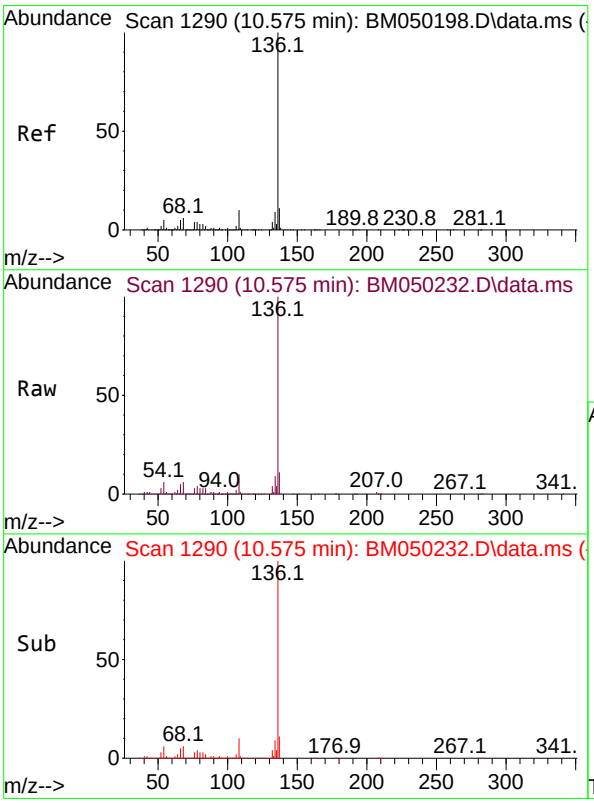
#7
Phenol-d6
Concen: 97.826 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion: 99 Resp: 2358204

Ion	Ratio	Lower	Upper
99	100		
42	8.9	6.9	10.3
71	33.4	25.3	37.9

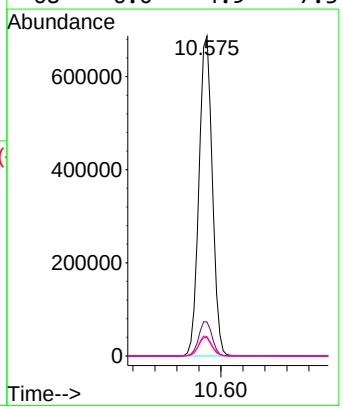


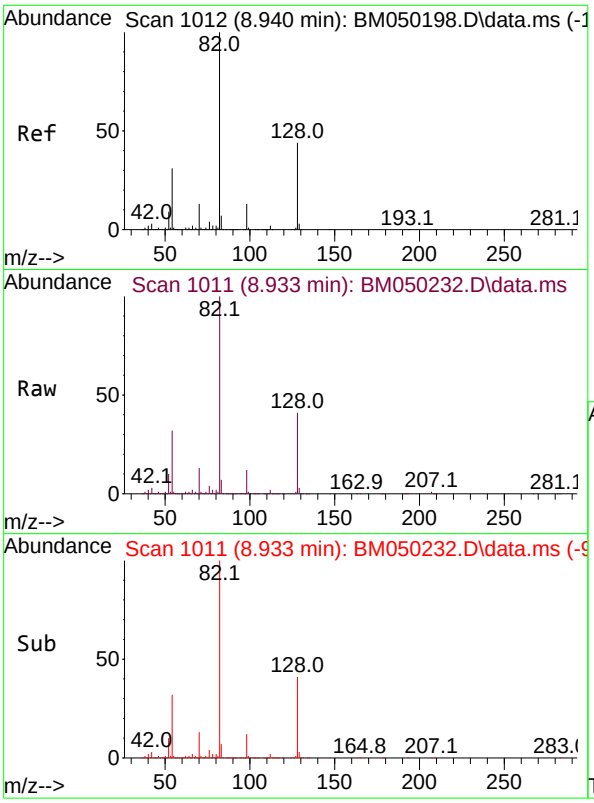


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:136 Resp: 1153728

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.7	3.8	5.8
68	6.0	4.9	7.3



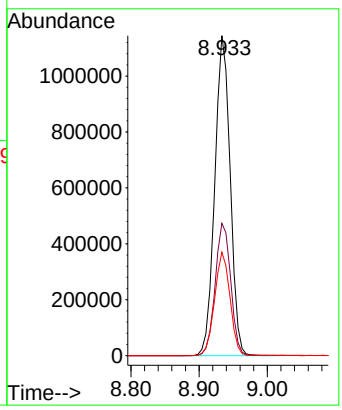


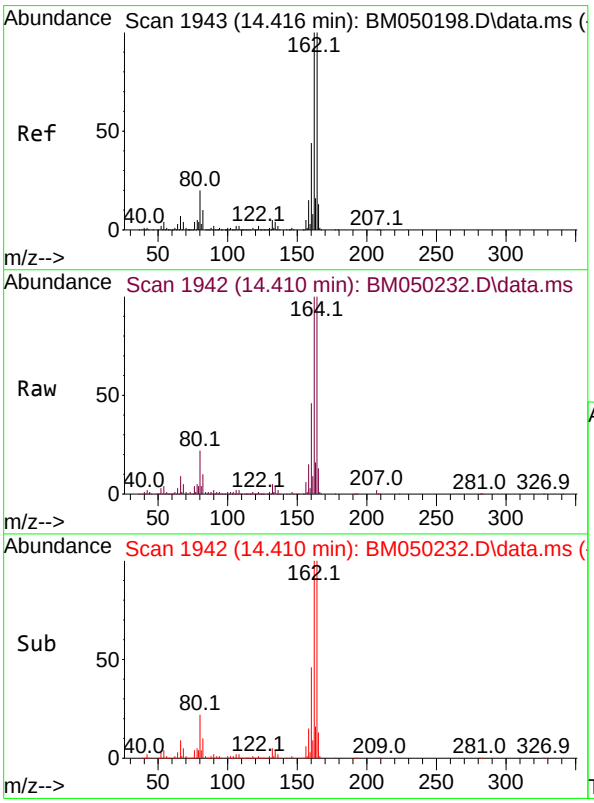
#23
Nitrobenzene-d5
Concen: 80.655 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion: 82 Resp: 1789228

Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.2	52.8
54	32.3	24.5	36.7

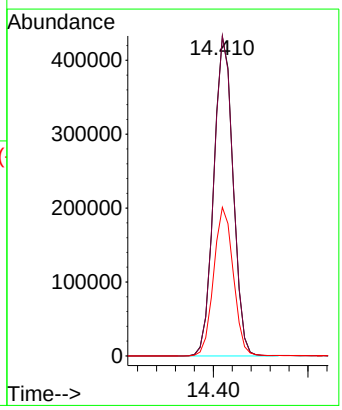


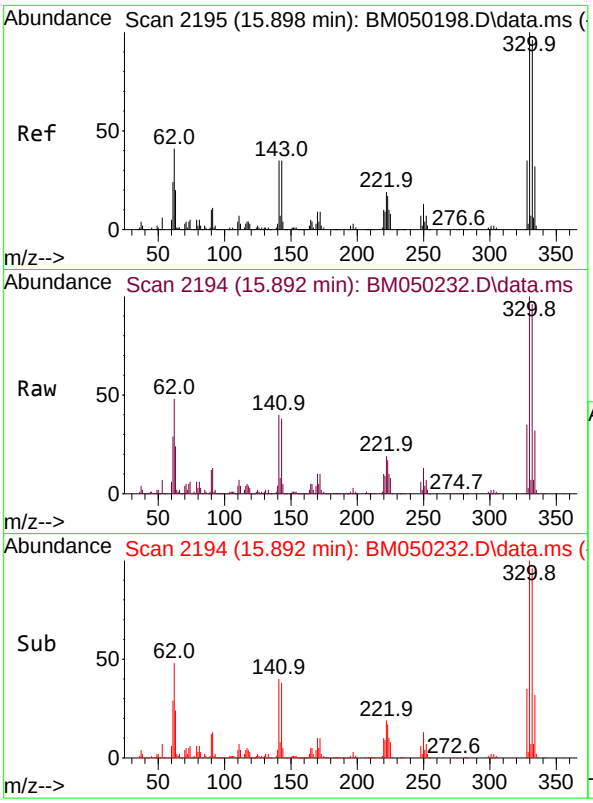


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:164 Resp: 611005

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.4
160	46.5	35.7	53.5



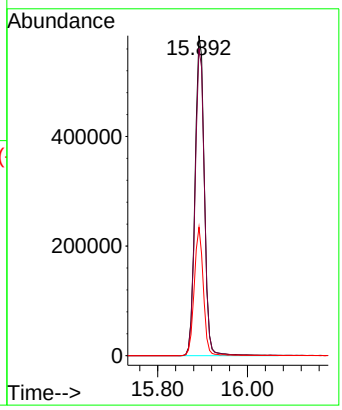


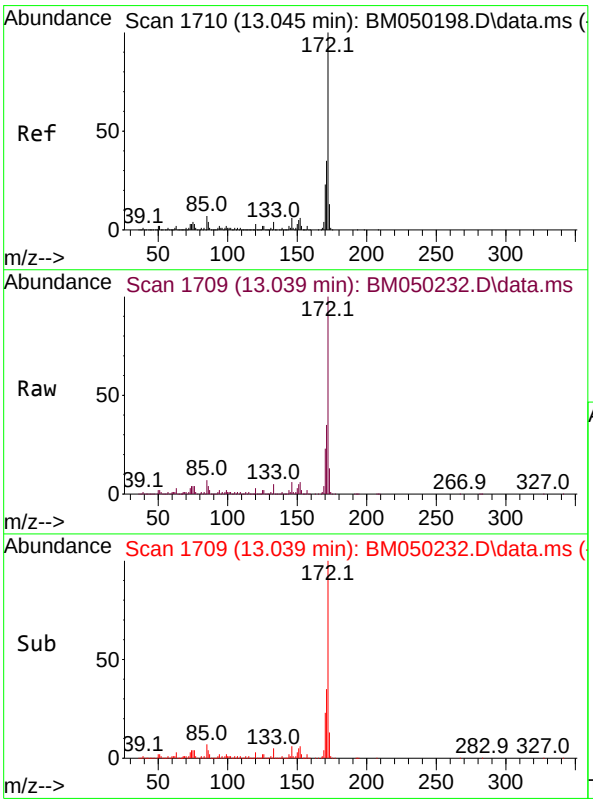
#42
2,4,6-Tribromophenol
Concen: 120.675 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion:330 Resp: 838659

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	38.9	28.8	43.2

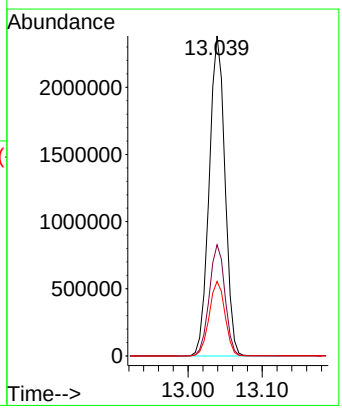


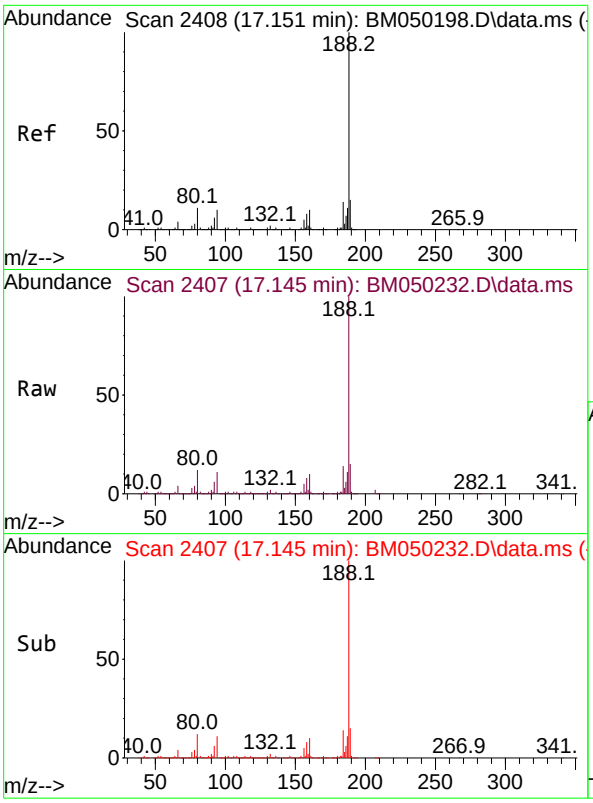


#45
2-Fluorobiphenyl
Concen: 78.230 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:172 Resp: 3530581

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.3	18.6	27.8



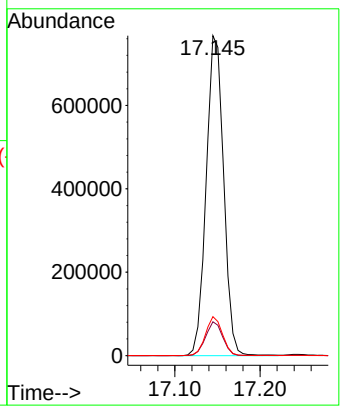


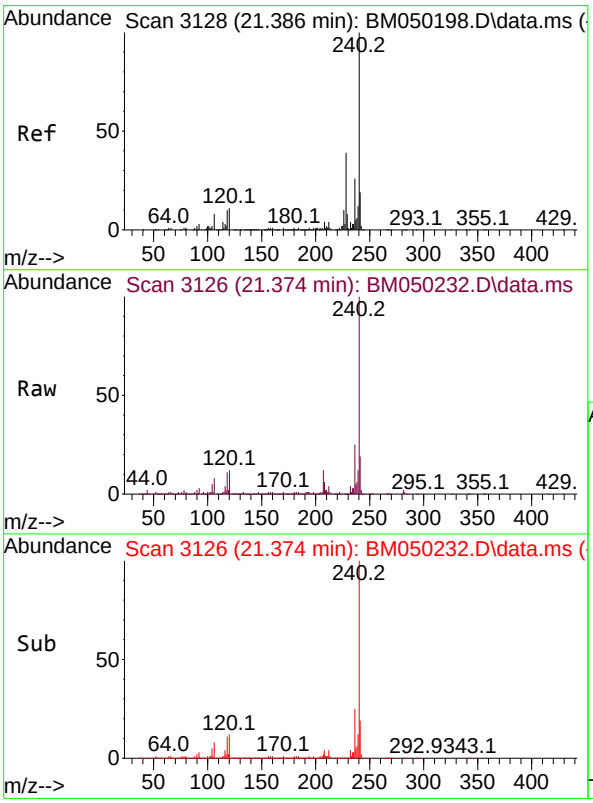
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion:188 Resp: 1089581

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	12.2	8.6	13.0

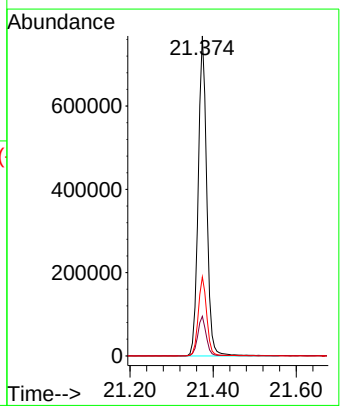


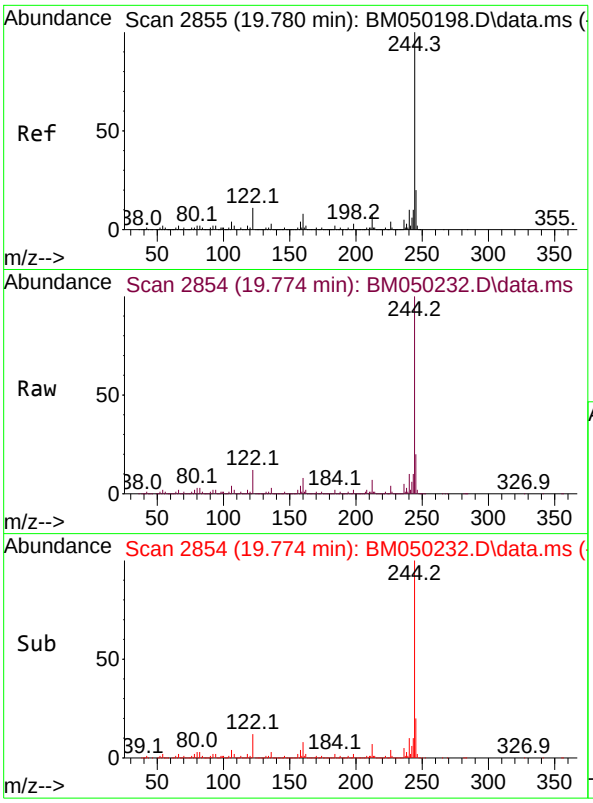


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:240 Resp: 1091419

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.0	13.4
236	24.7	20.7	31.1



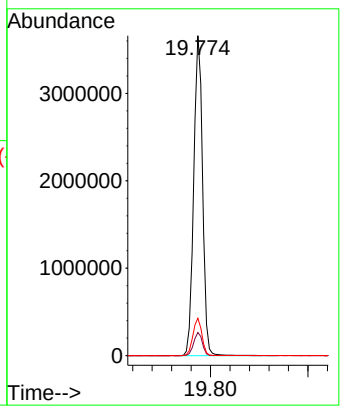


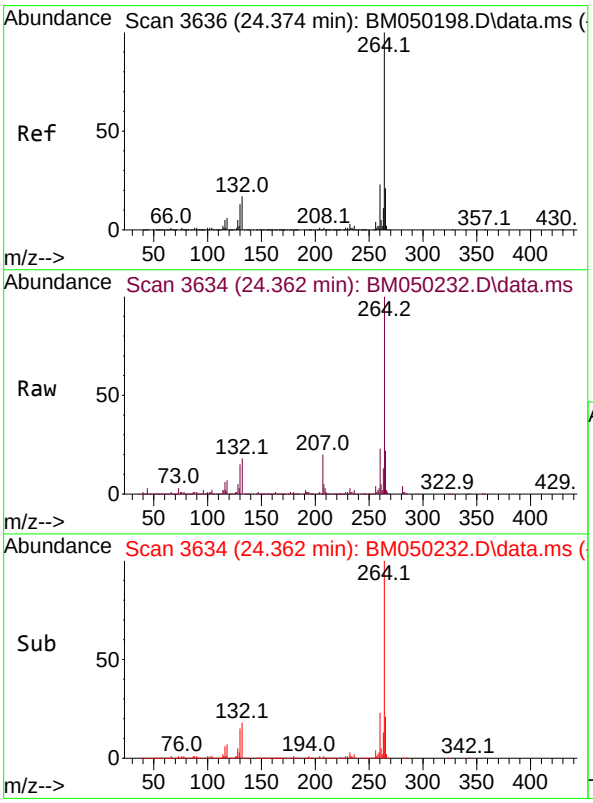
#79
Terphenyl-d14
Concen: 79.545 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Instrument :
BNA_M
ClientSampleId :
B-187-SB02

Tgt Ion:244 Resp: 4581312

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.7	8.6	12.8

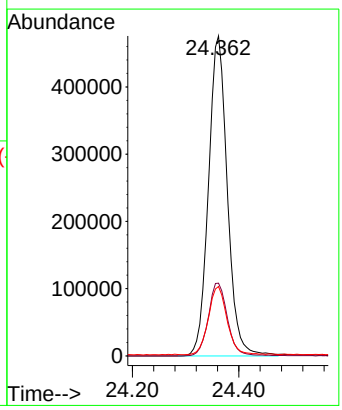




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.362 min Scan# 3634
Delta R.T. -0.012 min
Lab File: BM050232.D
Acq: 07 Jun 2025 03:20

Tgt Ion:264 Resp: 1171439

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.7	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050233.D
Acq On : 07 Jun 2025 04:00
Operator : RC/JU
Sample : Q2177-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Quant Time: Jun 07 05:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

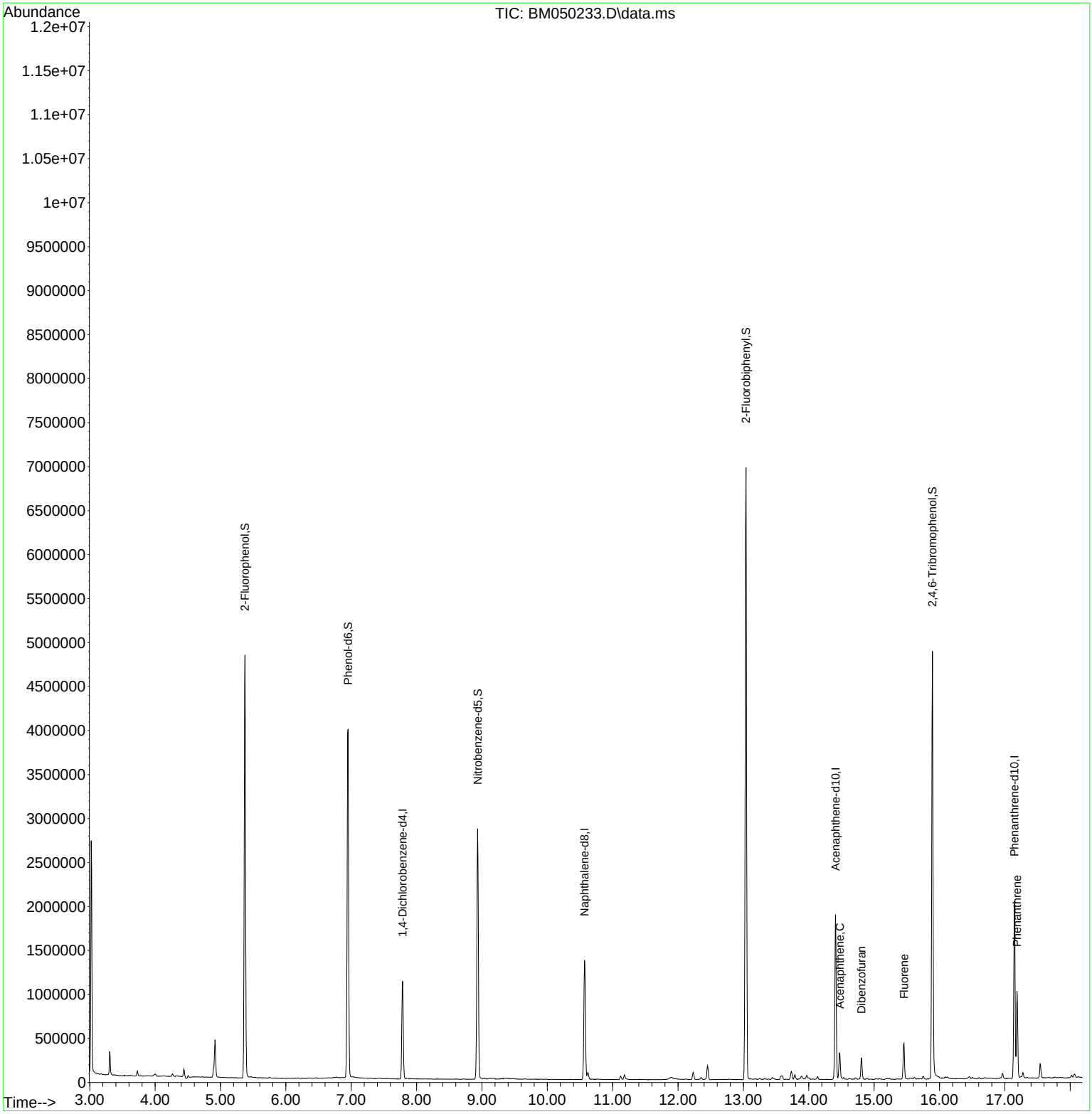
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	306776	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1155499	20.000	ng	#-0.01
39) Acenaphthene-d10	14.410	164	625136	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1109436	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1043232	20.000	ng	-0.01
86) Perylene-d12	24.356	264	1124100	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2277932	123.866	ng	0.00
7) Phenol-d6	6.952	99	2586807	106.853	ng	0.00
23) Nitrobenzene-d5	8.934	82	1787839	80.469	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	829869	116.711	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3525780	76.357	ng	-0.01
79) Terphenyl-d14	19.774	244	4569124	82.998	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.475	154	102876	2.794	ng	96
55) Dibenzofuran	14.804	168	147513	2.739	ng	97
58) Fluorene	15.457	166	171436	4.156	ng	97
71) Phenanthrene	17.186	178	558859	8.818	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050233.D
Acq On : 07 Jun 2025 04:00
Operator : RC/JU
Sample : Q2177-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

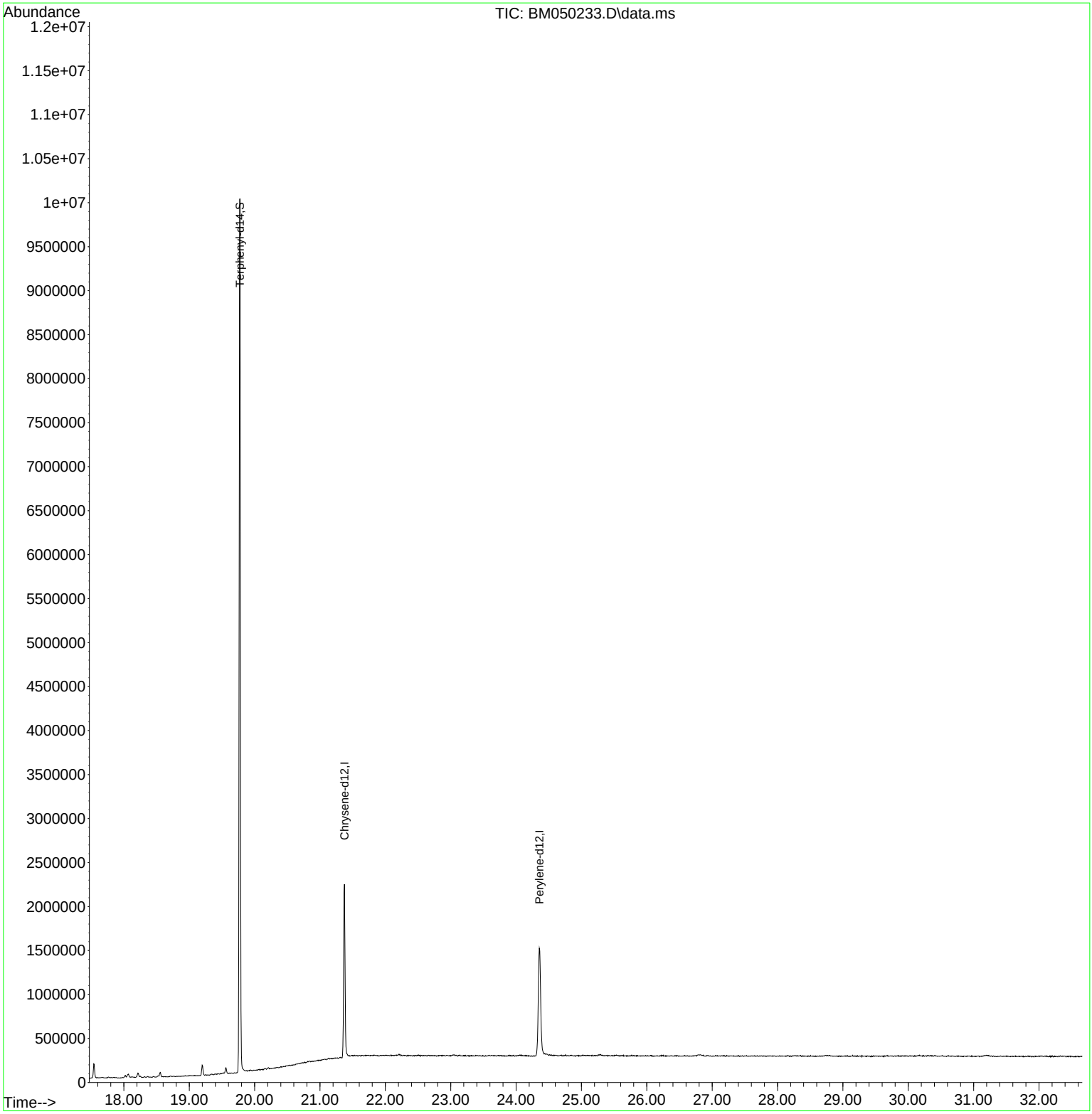
Quant Time: Jun 07 05:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

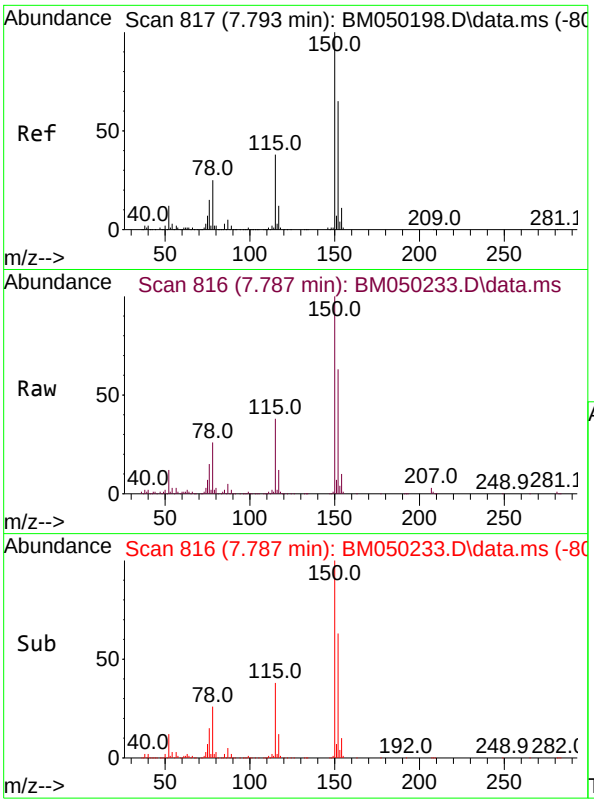


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050233.D
Acq On : 07 Jun 2025 04:00
Operator : RC/JU
Sample : Q2177-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Quant Time: Jun 07 05:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



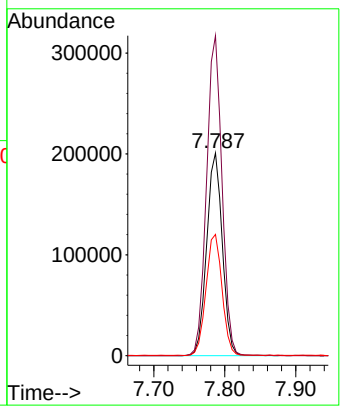


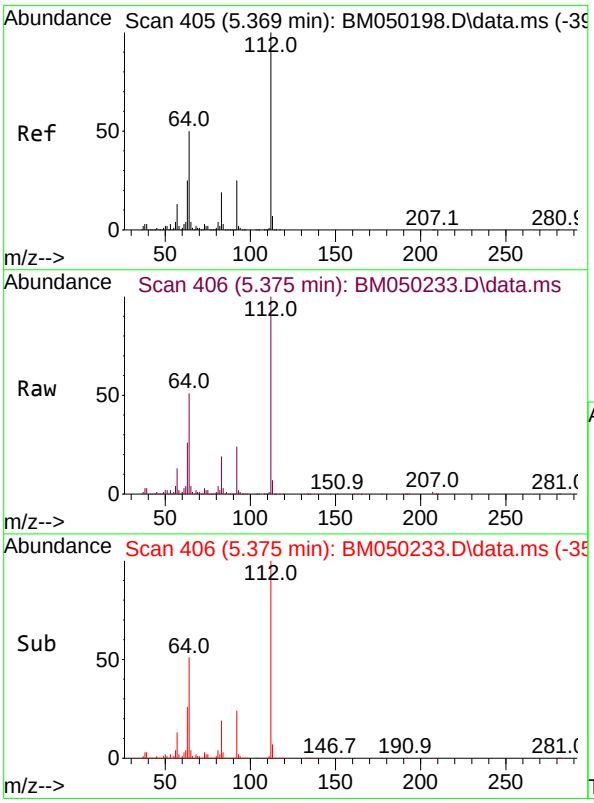
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:152 Resp: 306776

Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.2	183.4
115	59.9	46.3	69.5

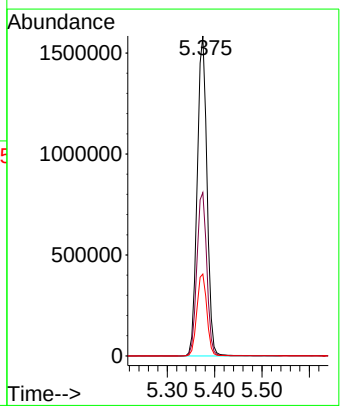


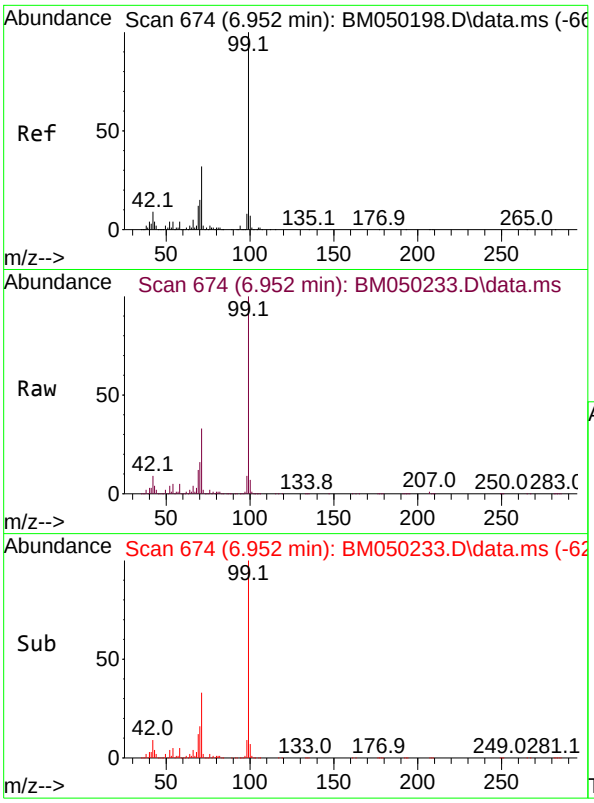


#5
2-Fluorophenol
Concen: 123.866 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:112 Resp: 2277932

Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.8	59.6
63	25.6	19.8	29.8



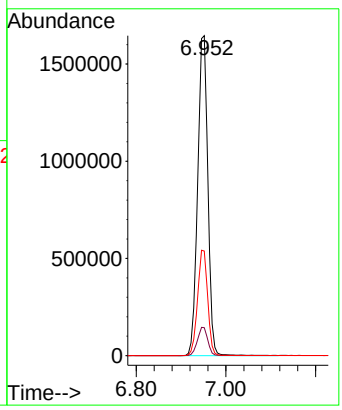


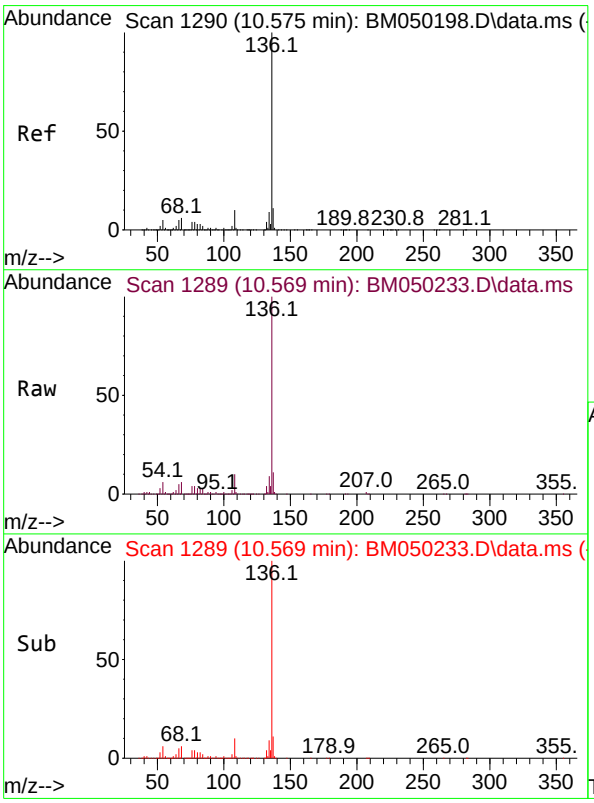
#7
Phenol-d6
Concen: 106.853 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion: 99 Resp: 2586807

Ion	Ratio	Lower	Upper
99	100		
42	8.7	6.9	10.3
71	32.7	25.3	37.9

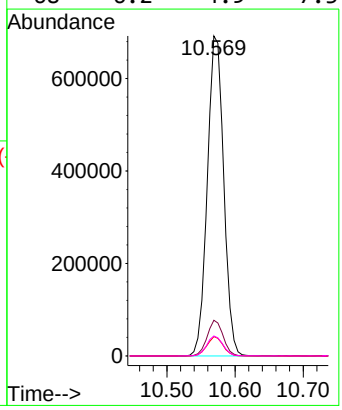


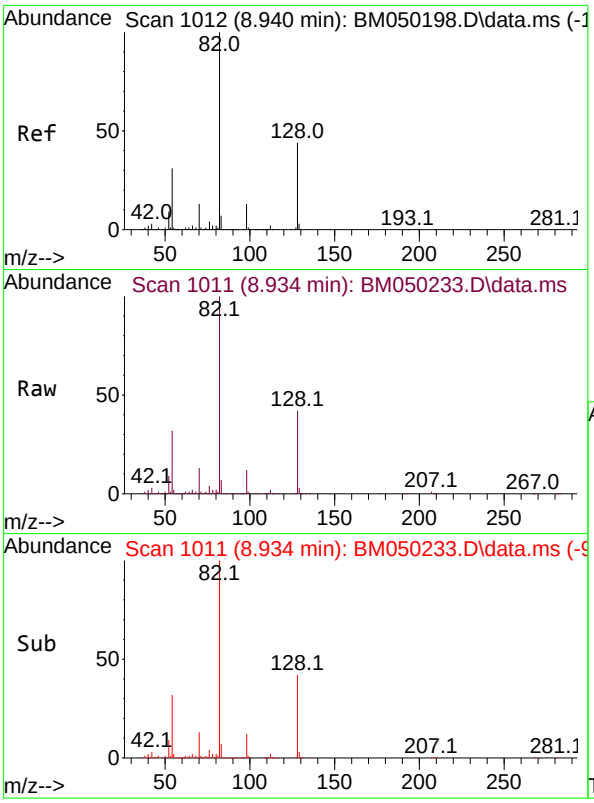


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:136 Resp: 1155499

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	6.0	3.8	5.8#
68	6.2	4.9	7.3



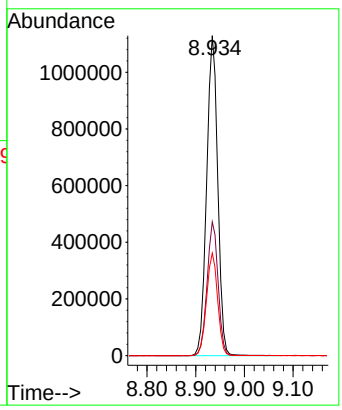


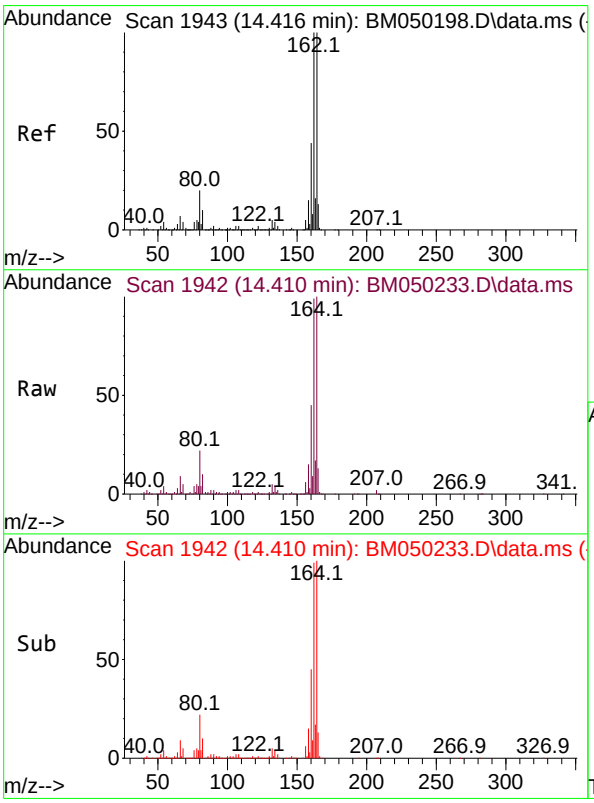
#23
Nitrobenzene-d5
Concen: 80.469 ng
RT: 8.934 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion: 82 Resp: 1787839

Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.2	52.8
54	32.0	24.5	36.7

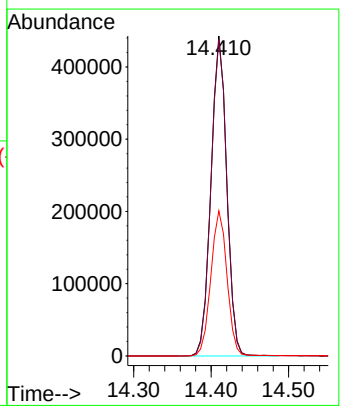


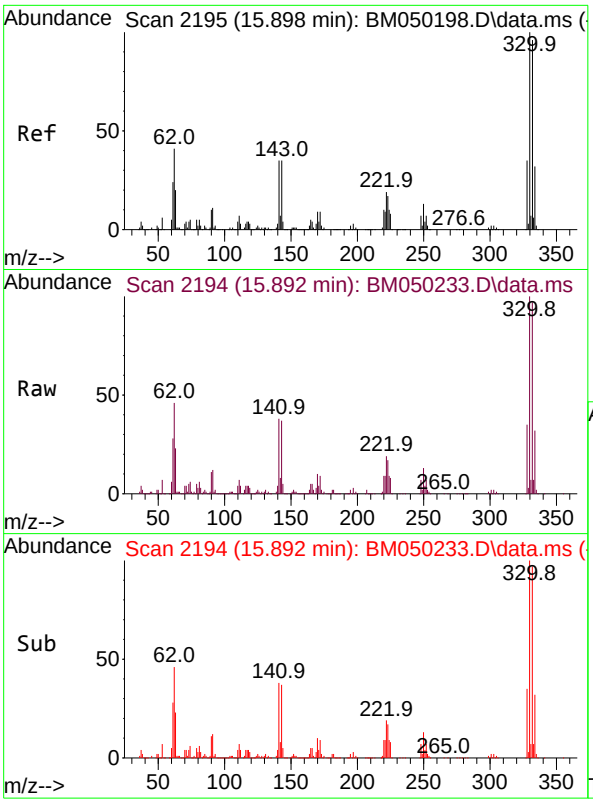


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:164 Resp: 625136

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.4
160	45.3	35.7	53.5



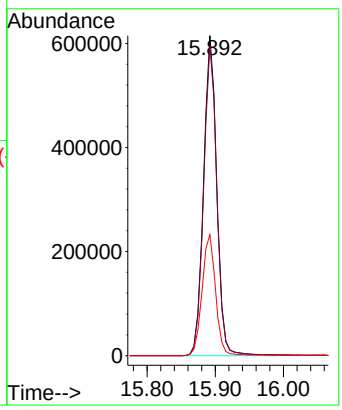


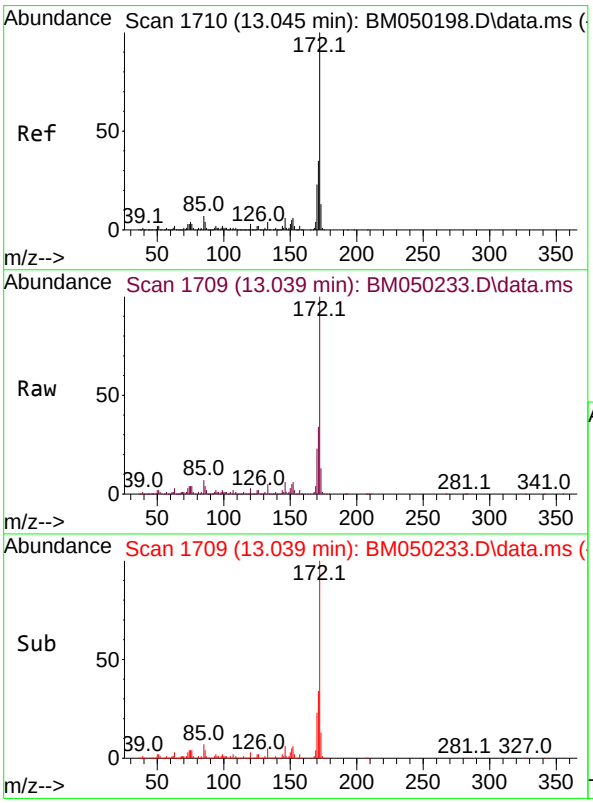
#42
2,4,6-Tribromophenol
Concen: 116.711 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:330 Resp: 829869

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	38.8	28.8	43.2

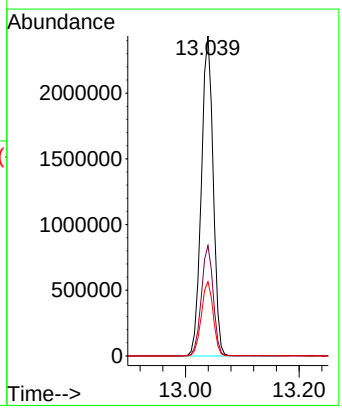


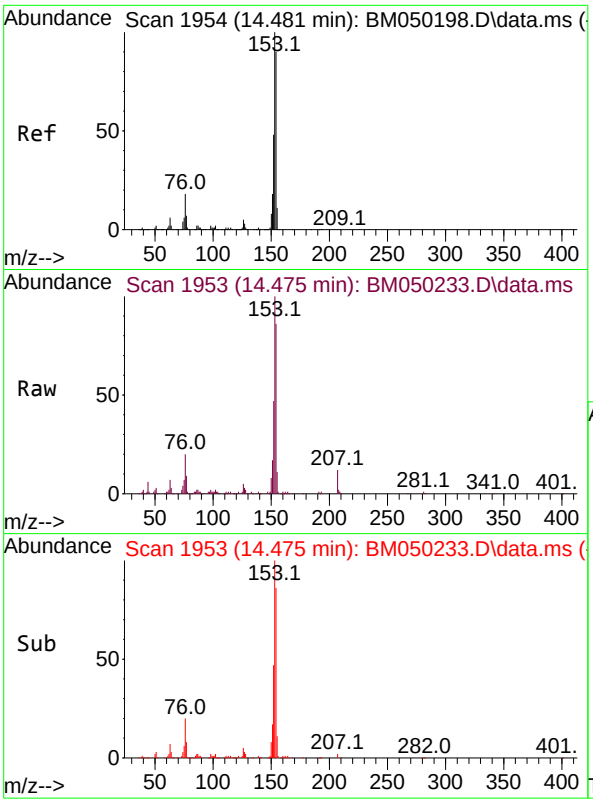


#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:172 Resp: 3525780

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.2	18.6	27.8



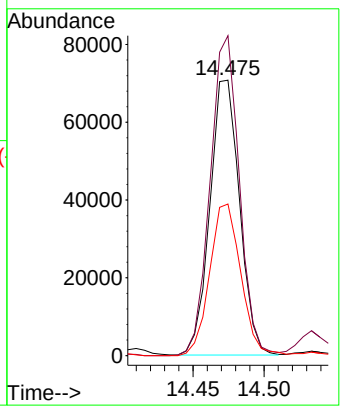


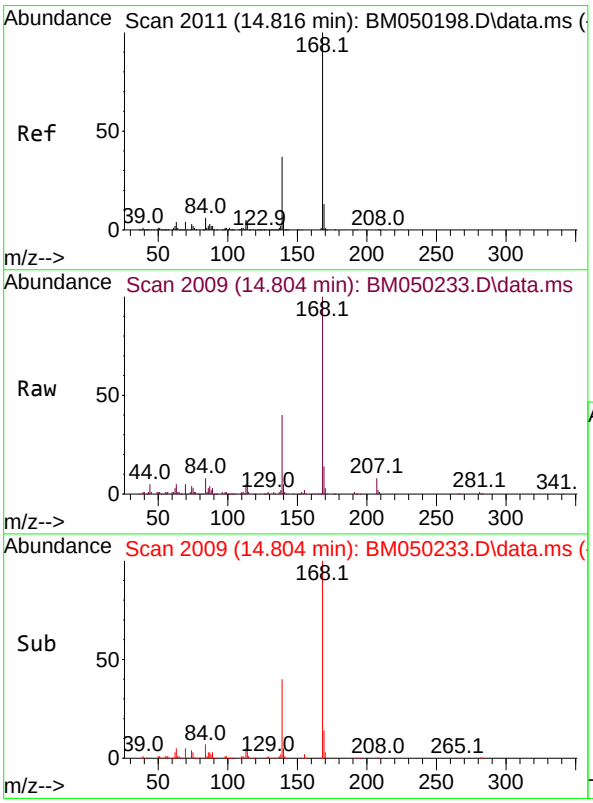
#52
Acenaphthene
Concen: 2.794 ng
RT: 14.475 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:154 Resp: 102876

Ion	Ratio	Lower	Upper
154	100		
153	116.1	88.7	133.1
152	55.0	42.6	63.8

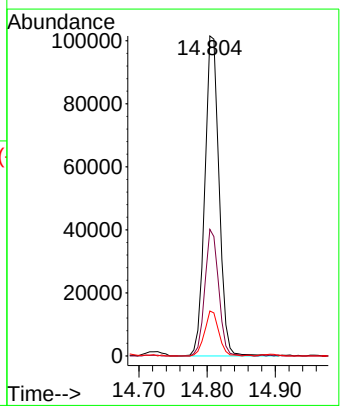


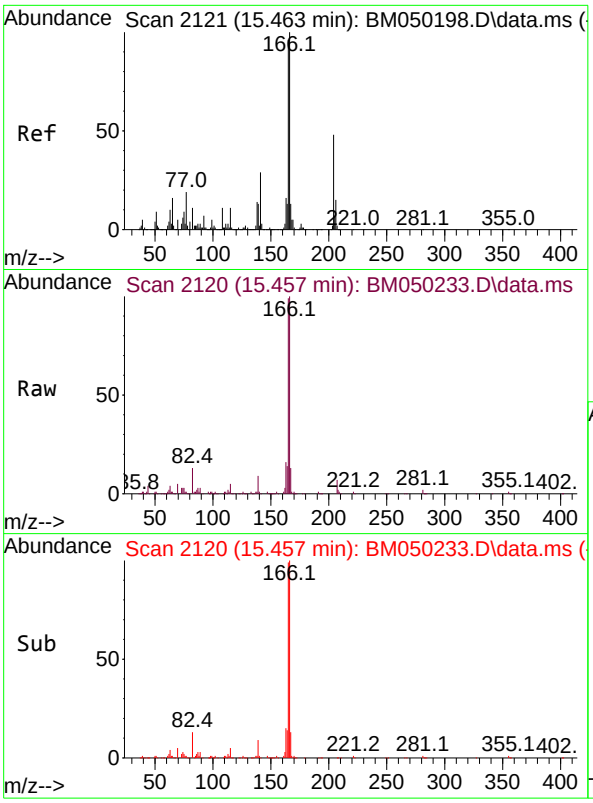


#55
Dibenzofuran
Concen: 2.739 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:168 Resp: 147513

Ion	Ratio	Lower	Upper
168	100		
139	39.5	29.9	44.9
169	14.0	10.6	16.0



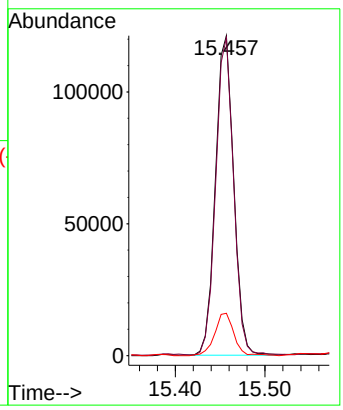


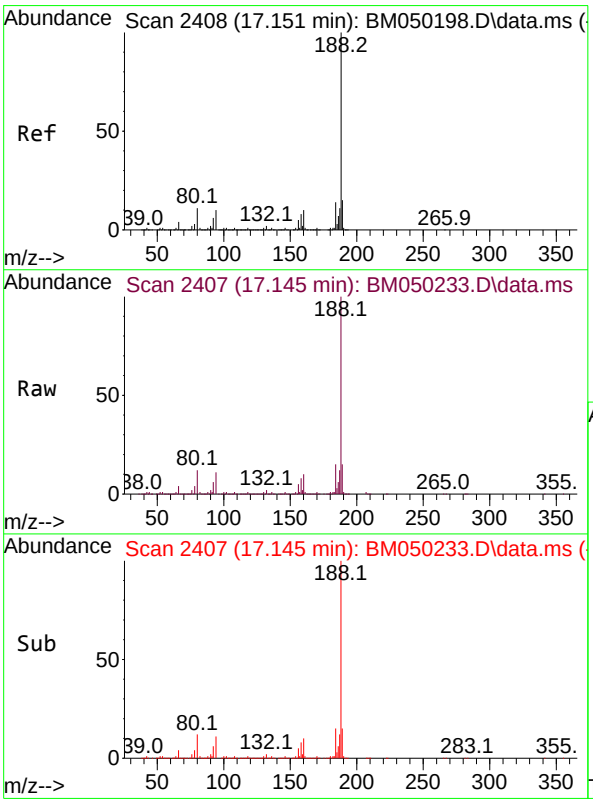
#58
Fluorene
Concen: 4.156 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:166 Resp: 171436

Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.0	115.4
167	13.2	10.7	16.1

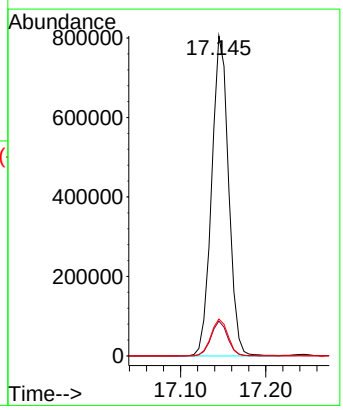


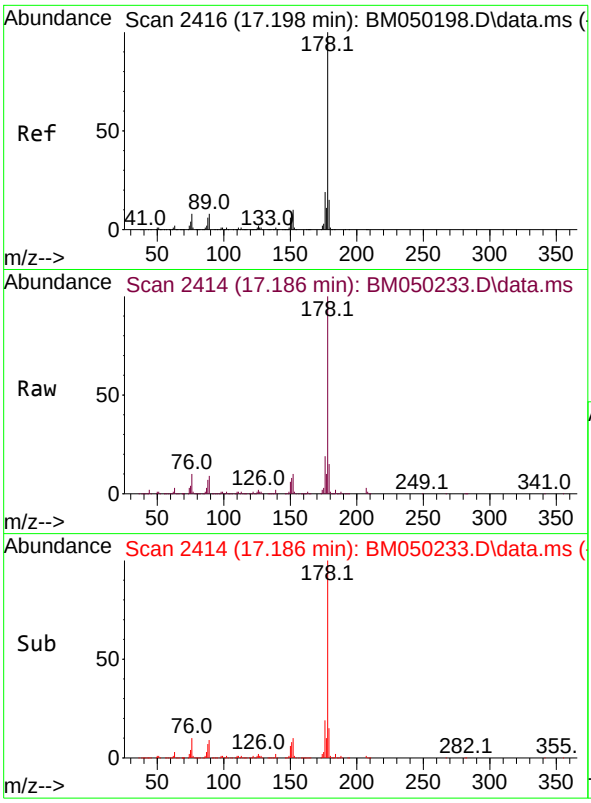


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:188 Resp: 1109436

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.1	12.1
80	11.5	8.6	13.0



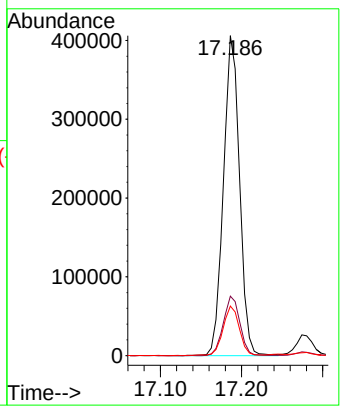


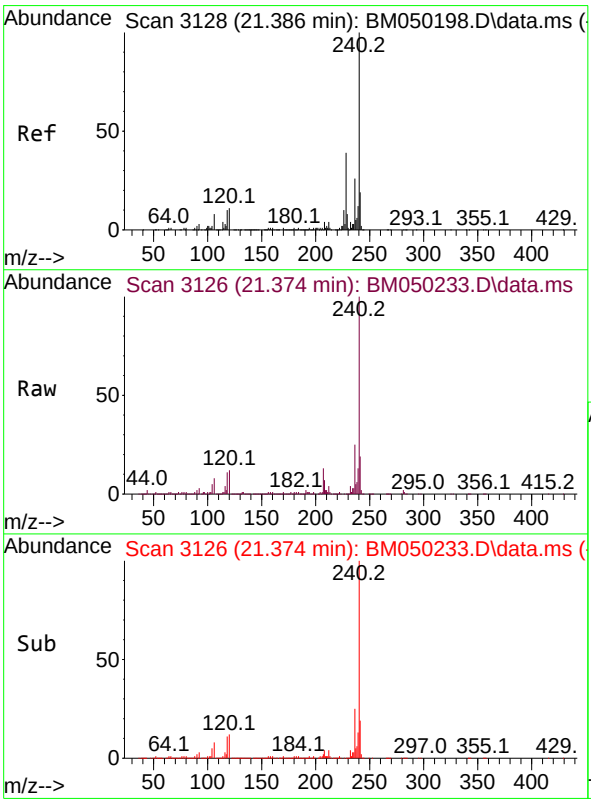
#71
Phenanthrene
Concen: 8.818 ng
RT: 17.186 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:178 Resp: 558859

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.5	12.3	18.5

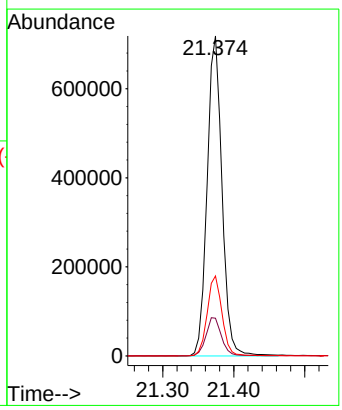


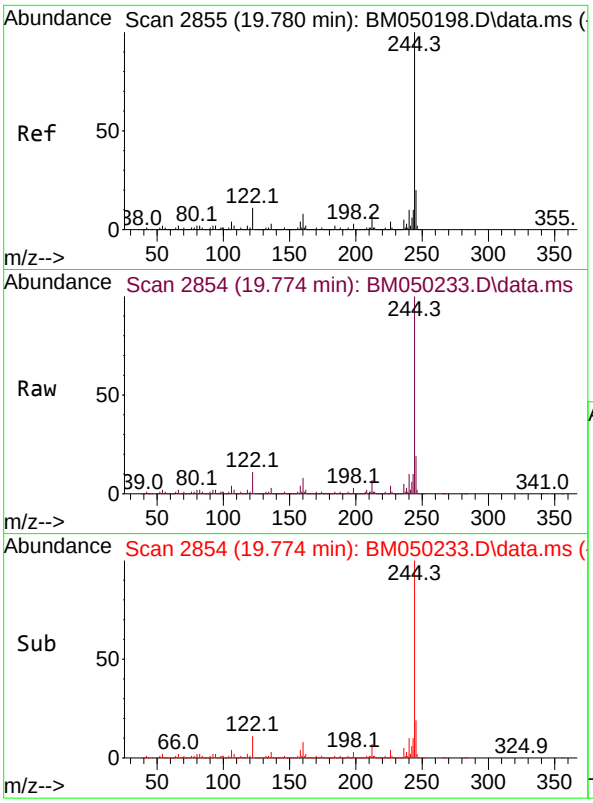


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:240 Resp: 1043232

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.4
236	25.0	20.7	31.1



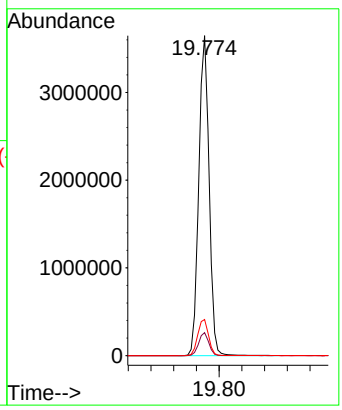


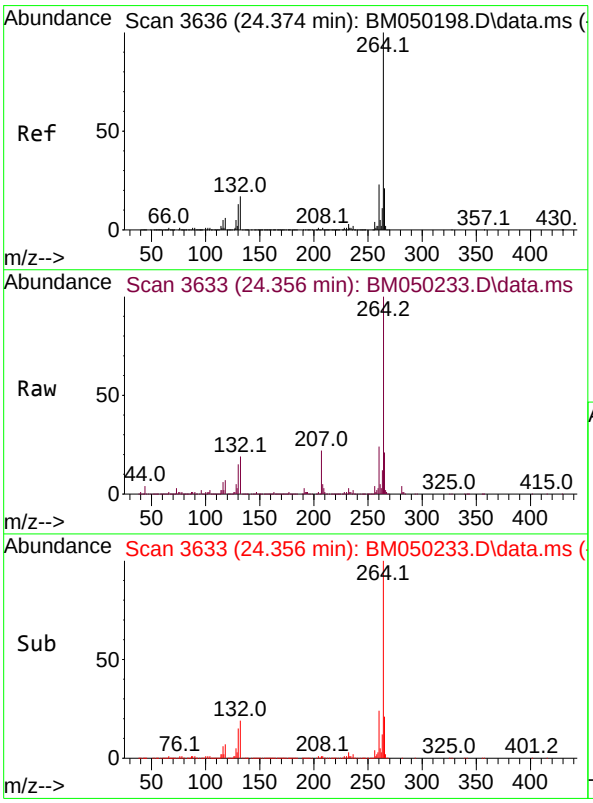
#79
Terphenyl-d14
Concen: 82.998 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Instrument :
BNA_M
ClientSampleId :
B-202-SB01

Tgt Ion:244 Resp: 4569124

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.3	8.6	12.8

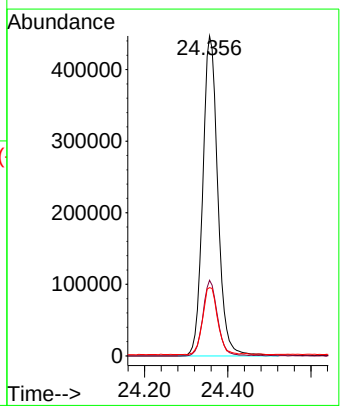




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.356 min Scan# 3633
Delta R.T. -0.018 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:264 Resp: 1124100

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.3	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050207.D
Acq On : 06 Jun 2025 10:08
Operator : RC/JU
Sample : PB168269BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Quant Time: Jun 06 10:53:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

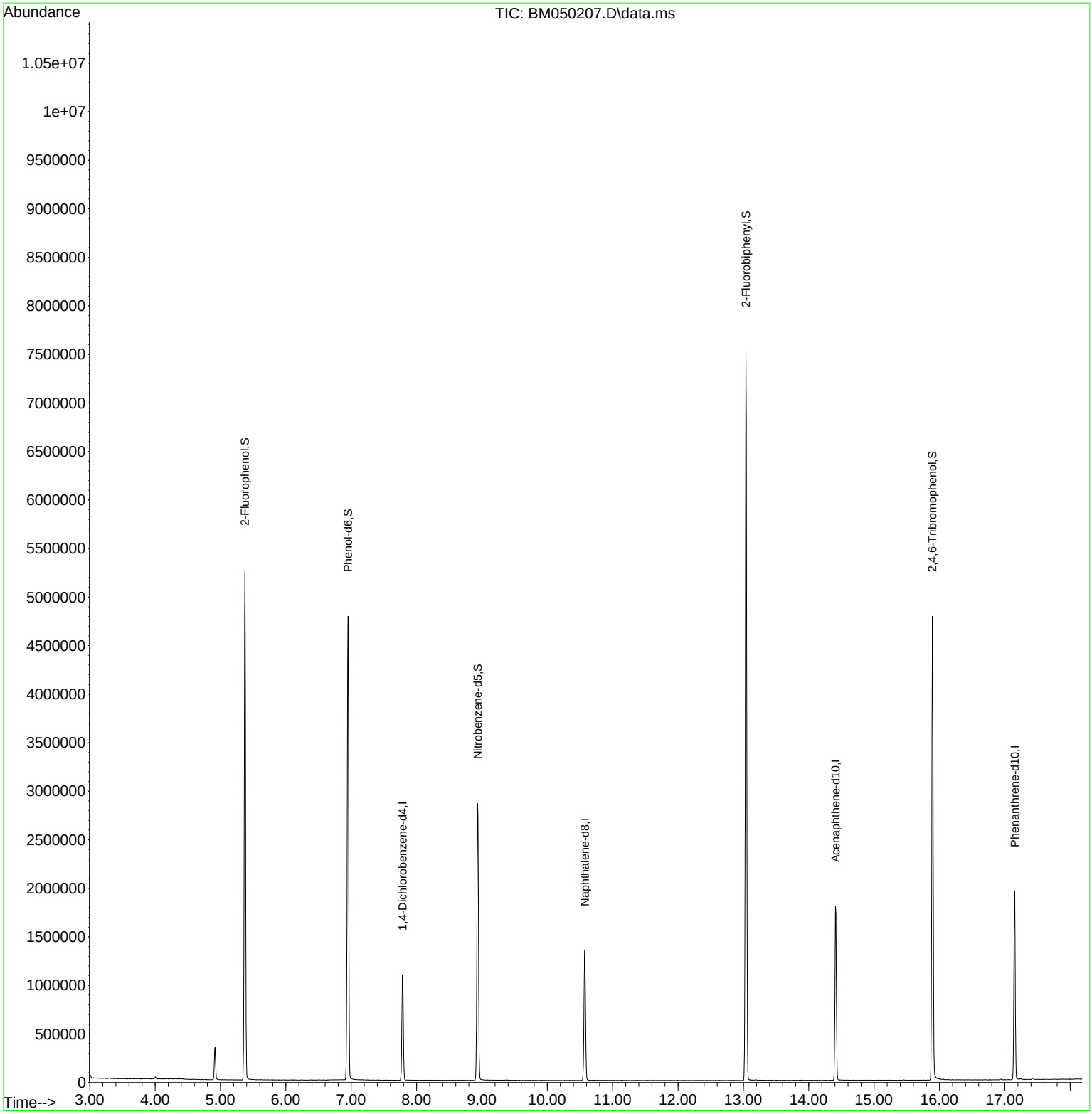
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	307416	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1142669	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	634427	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1133741	20.000	ng	0.00
76) Chrysene-d12	21.380	240	982238	20.000	ng	0.00
86) Perylene-d12	24.368	264	1022855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2527466	137.149	ng	0.00
7) Phenol-d6	6.951	99	3136982	129.309	ng	0.00
23) Nitrobenzene-d5	8.934	82	1832446	83.403	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	906461	125.615	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3884866	82.902	ng	-0.01
79) Terphenyl-d14	19.780	244	4336326	83.660	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050207.D
Acq On : 06 Jun 2025 10:08
Operator : RC/JU
Sample : PB168269BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168269BL

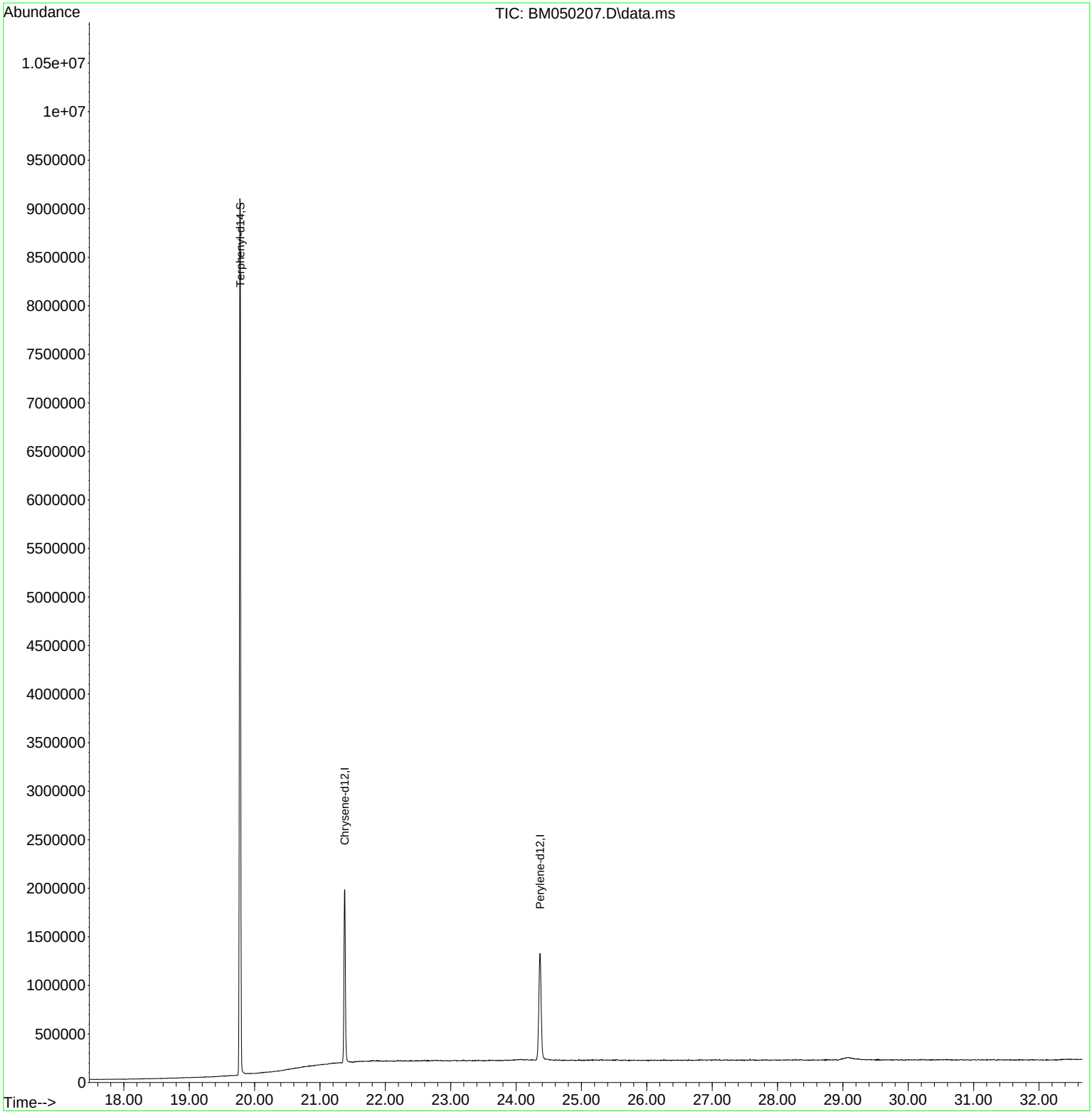
Quant Time: Jun 06 10:53:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

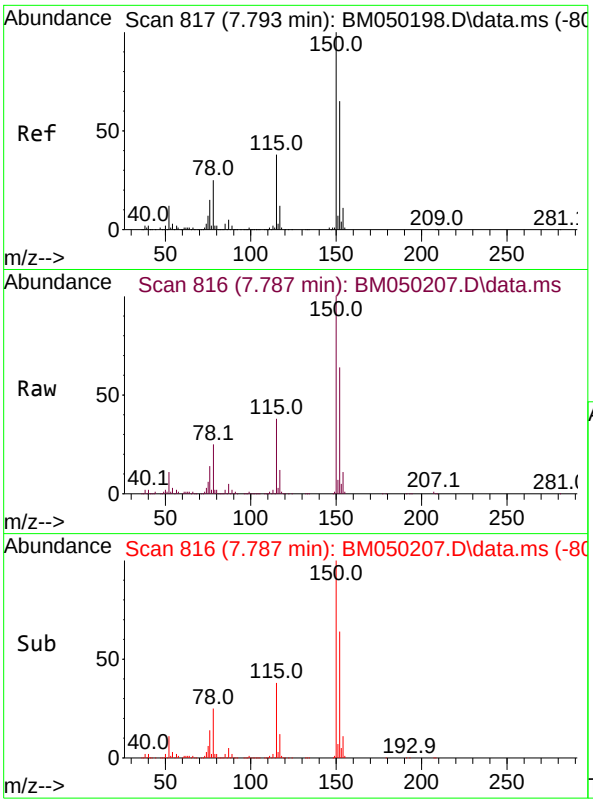


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050207.D
Acq On : 06 Jun 2025 10:08
Operator : RC/JU
Sample : PB168269BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Quant Time: Jun 06 10:53:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



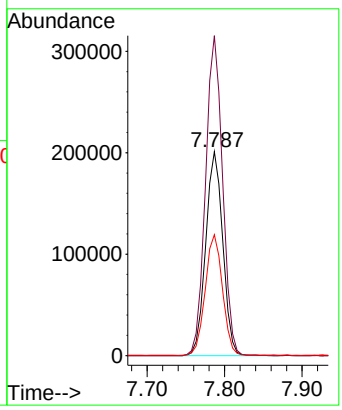


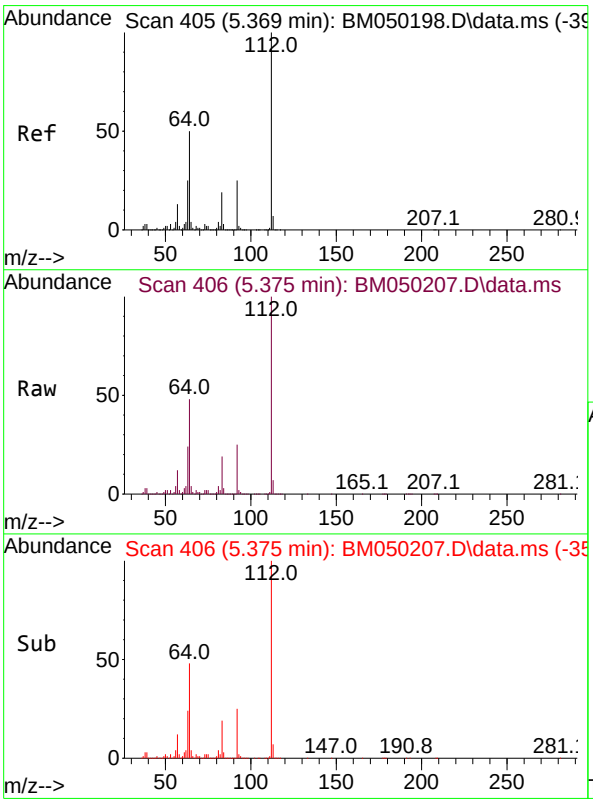
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Tgt Ion:152 Resp: 307416

Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.2	183.4
115	59.3	46.3	69.5

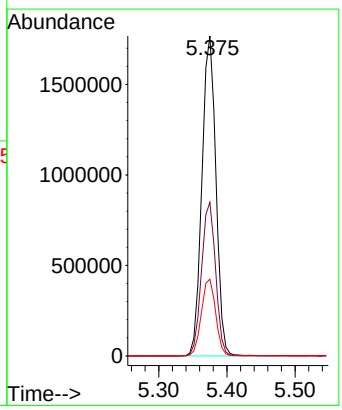




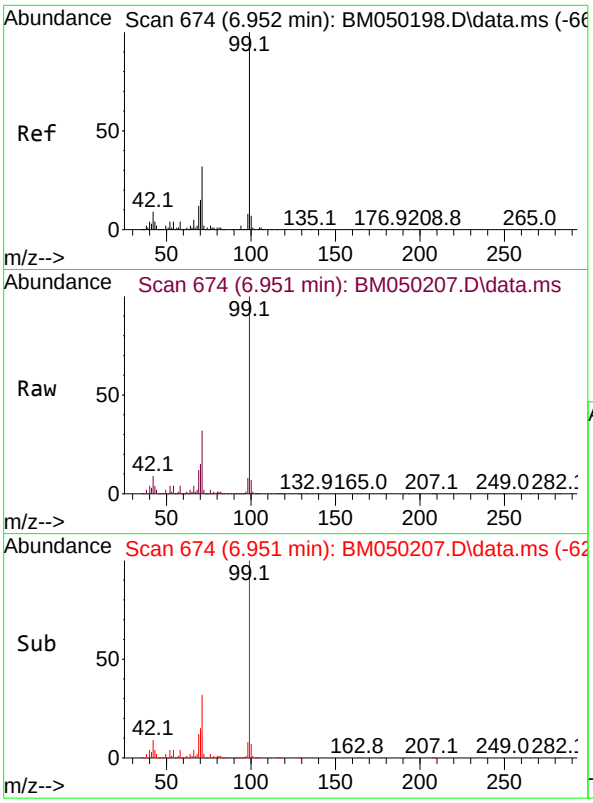
#5
2-Fluorophenol
Concen: 137.149 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:112 Resp: 2527466

Ion	Ratio	Lower	Upper
112	100		
64	48.0	39.8	59.6
63	24.0	19.8	29.8



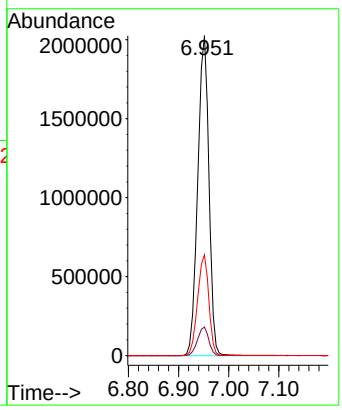
Instrument :
BNA_M
ClientSampleId :
PB168269BL

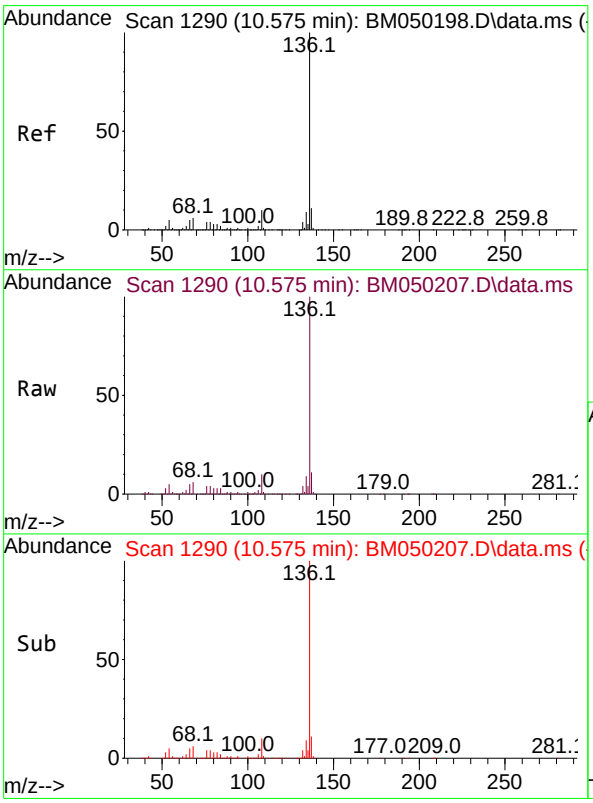


#7
Phenol-d6
Concen: 129.309 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion: 99 Resp: 3136982

Ion	Ratio	Lower	Upper
99	100		
42	8.9	6.9	10.3
71	31.5	25.3	37.9

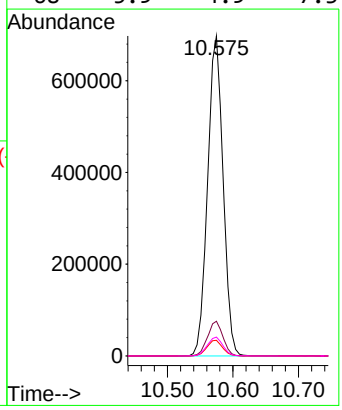


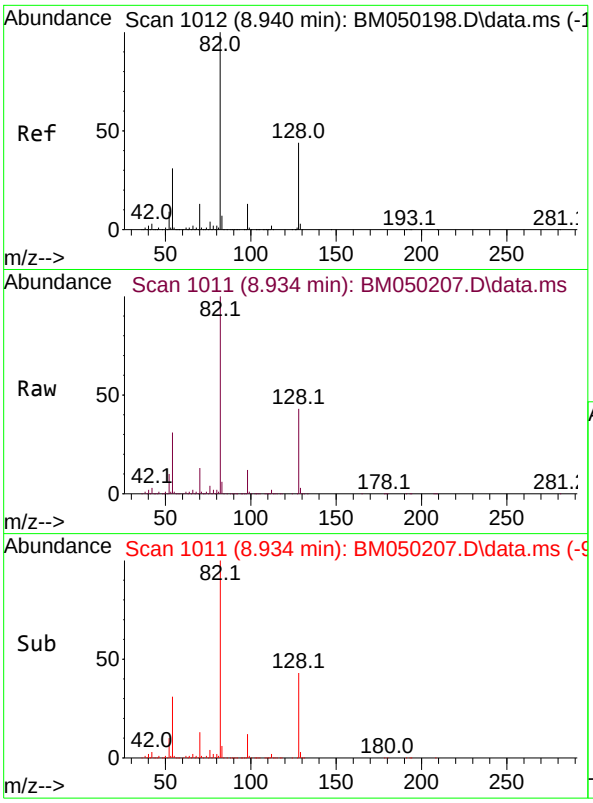


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:136 Resp: 1142669

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	4.9	3.8	5.8
68	5.9	4.9	7.3



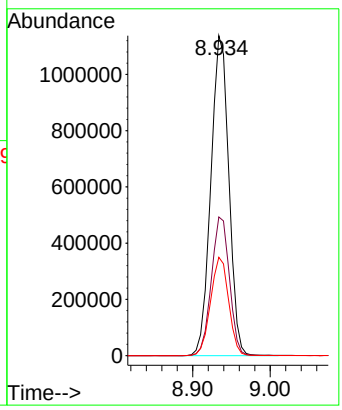


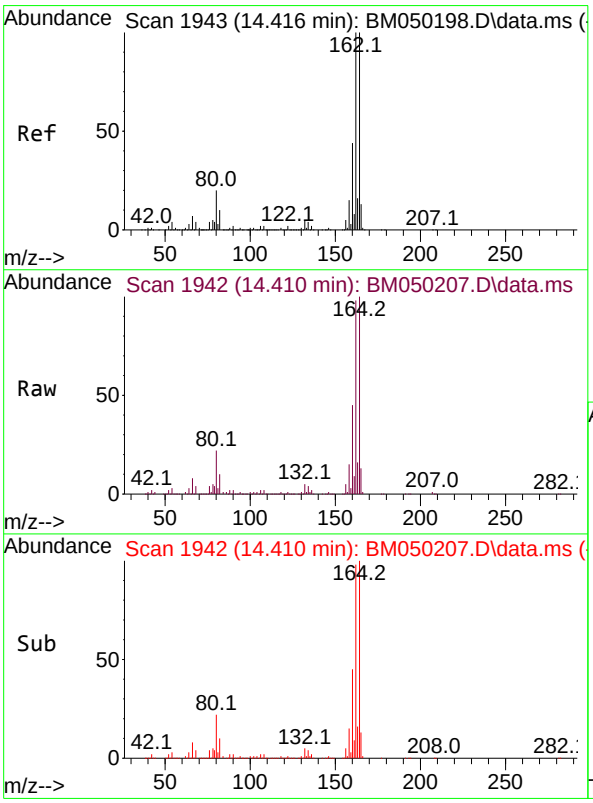
#23
Nitrobenzene-d5
Concen: 83.403 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Tgt Ion: 82 Resp: 1832446

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.2	52.8
54	30.7	24.5	36.7

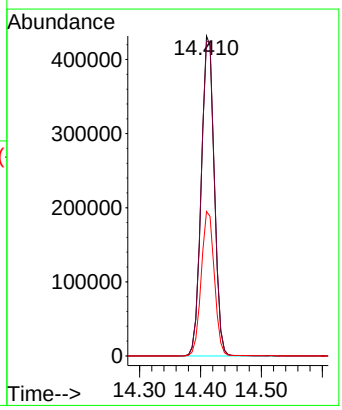


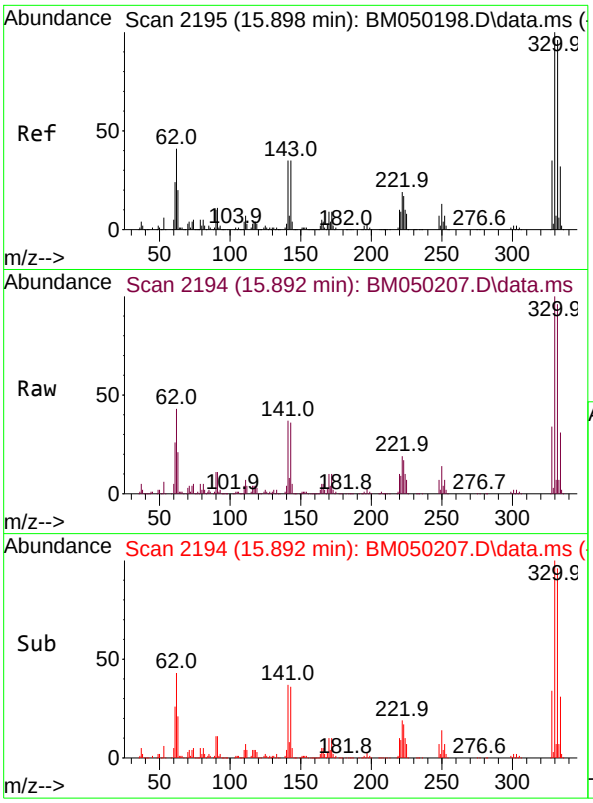


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:164 Resp: 634427

Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.2	120.4
160	45.1	35.7	53.5



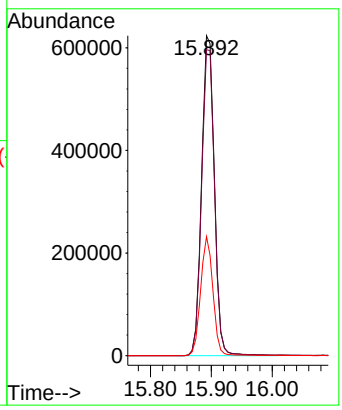


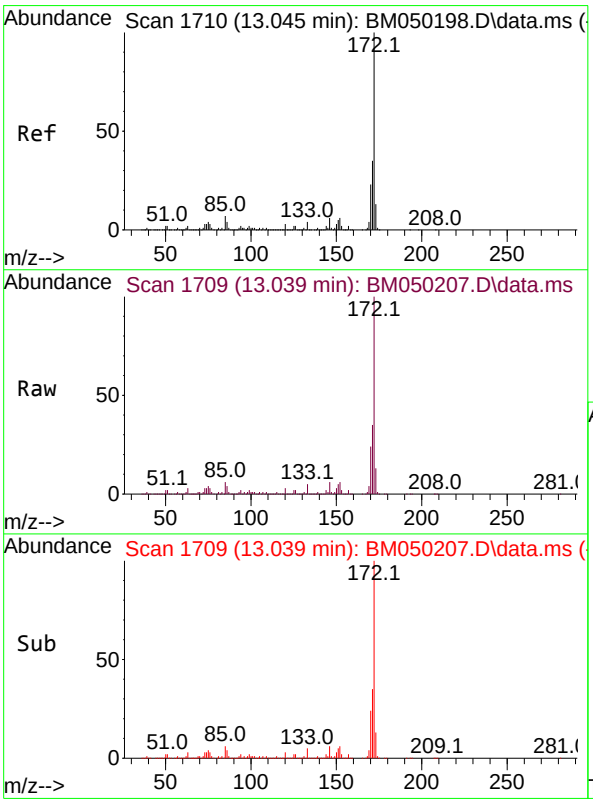
#42
2,4,6-Tribromophenol
Concen: 125.615 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Tgt Ion:330 Resp: 906461

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	35.8	28.8	43.2

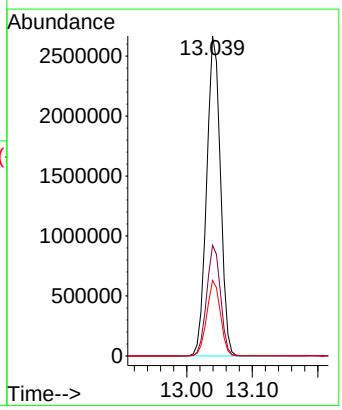


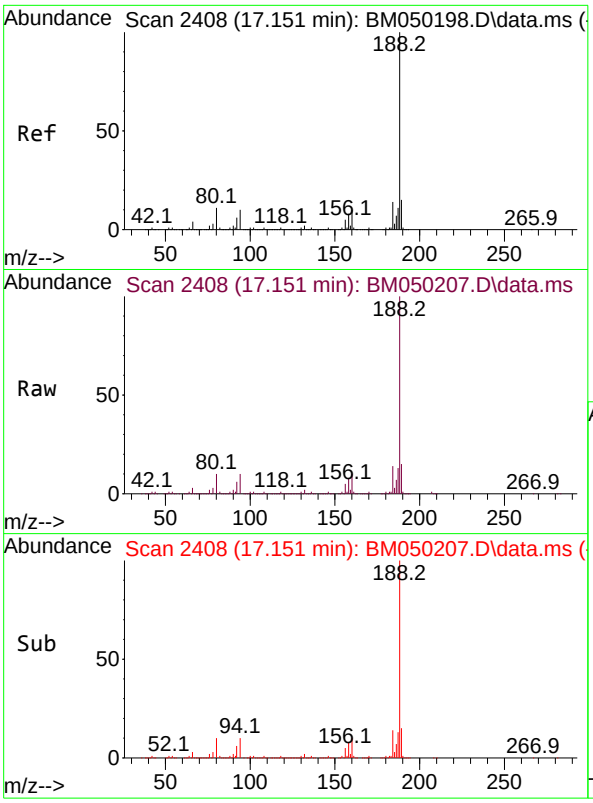


#45
2-Fluorobiphenyl
Concen: 82.902 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:172 Resp: 3884866

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.6	18.6	27.8



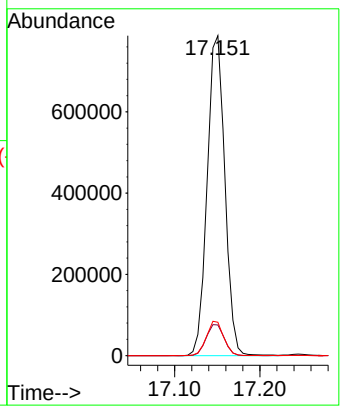


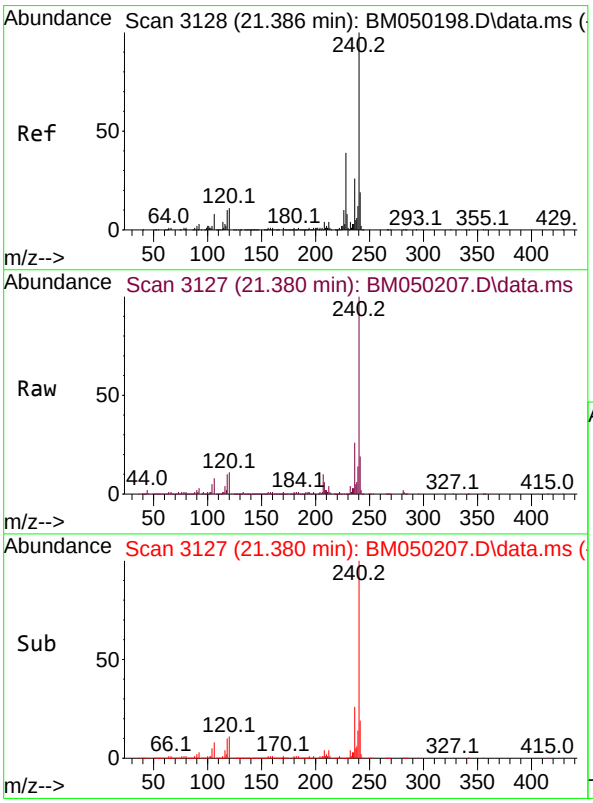
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Tgt Ion:188 Resp: 1133741

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.1	12.1
80	10.4	8.6	13.0

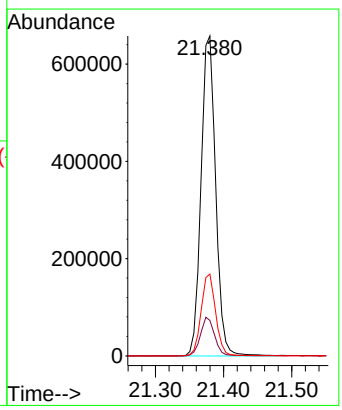


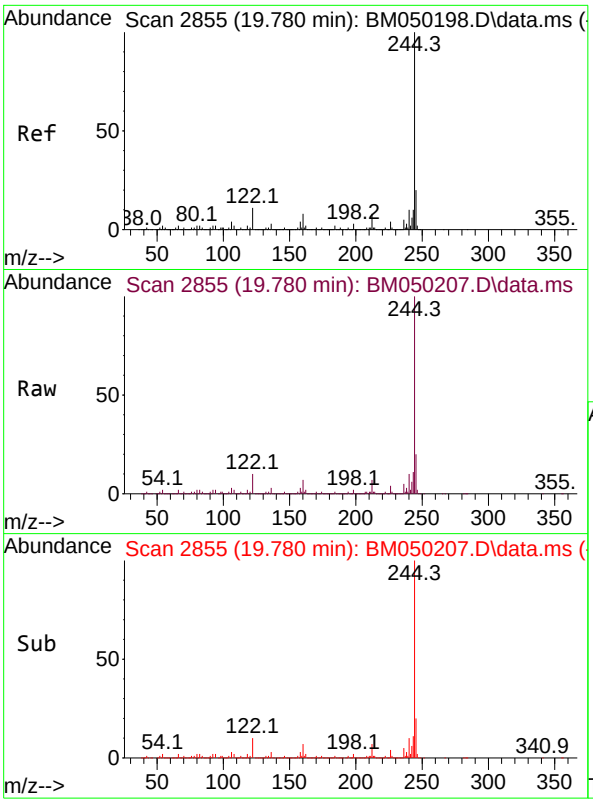


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:240 Resp: 982238

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.6	20.7	31.1



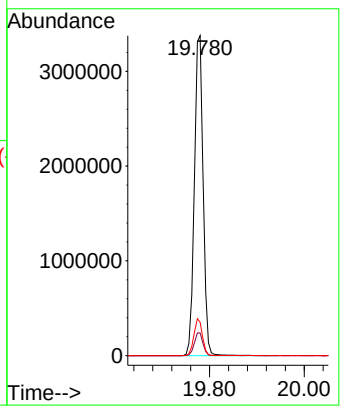


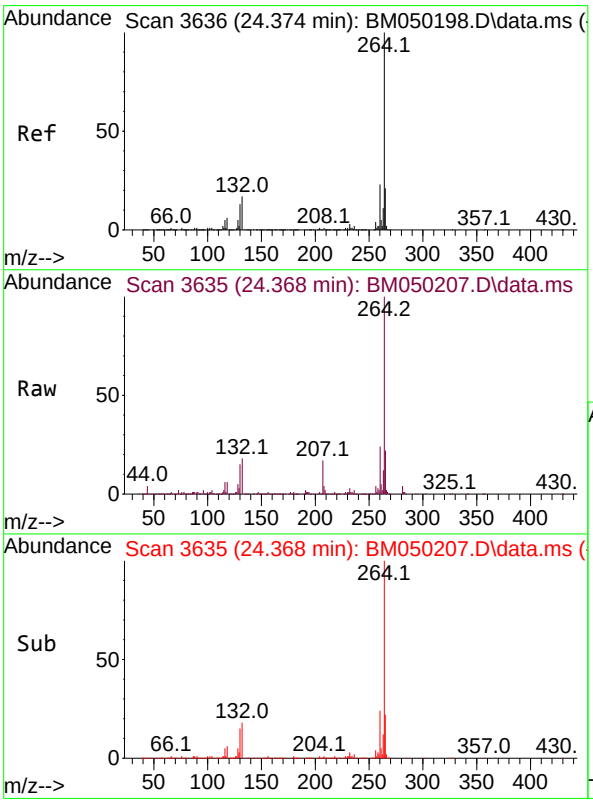
#79
Terphenyl-d14
Concen: 83.660 ng
RT: 19.780 min Scan# 28
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Instrument :
BNA_M
ClientSampleId :
PB168269BL

Tgt Ion:244 Resp: 4336326

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.4	8.6	12.8

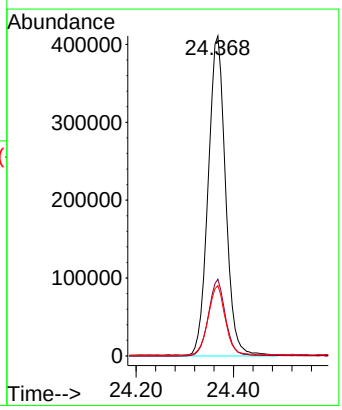




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.368 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM050207.D
Acq: 06 Jun 2025 10:08

Tgt Ion:264 Resp: 1022855

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.0	16.8	25.2



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050208.D
Acq On : 06 Jun 2025 10:47
Operator : RC/JU
Sample : PB168269BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168269BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.786	152	327776	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1233278	20.000	ng		0.00
39) Acenaphthene-d10	14.415	164	655553	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1123564	20.000	ng		0.00
76) Chrysene-d12	21.380	240	1060555	20.000	ng		0.00
86) Perylene-d12	24.368	264	1186020	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	2567295	130.657	ng		0.00
7) Phenol-d6	6.951	99	3136308	121.251	ng		0.00
23) Nitrobenzene-d5	8.939	82	1892430	79.805	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	914951	122.706	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	3882156	80.174	ng		0.00
79) Terphenyl-d14	19.780	244	4436403	79.271	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	325321	37.771	ng		99
3) Pyridine	3.681	79	904757	40.563	ng		100
4) n-Nitrosodimethylamine	3.593	42	208634	45.234	ng		99
6) Aniline	7.110	93	837259	24.485	ng		98
8) 2-Chlorophenol	7.351	128	992699	45.930	ng		100
9) Benzaldehyde	6.922	77	542414	32.983	ng		99
10) Phenol	6.981	94	1215351	44.407	ng		98
11) bis(2-Chloroethyl)ether	7.210	93	981243	44.575	ng		99
12) 1,3-Dichlorobenzene	7.681	146	1093012	45.236	ng		100
13) 1,4-Dichlorobenzene	7.822	146	1114691	44.340	ng		99
14) 1,2-Dichlorobenzene	8.139	146	1068631	44.590	ng		99
15) Benzyl Alcohol	8.022	79	794202	43.049	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.322	45	679997	44.467	ng		99
17) 2-Methylphenol	8.222	107	782986	43.360	ng		99
18) Hexachloroethane	8.869	117	420967	46.239	ng		99
19) n-Nitroso-di-n-propyla...	8.592	70	663797	41.936	ng		98
20) 3+4-Methylphenols	8.551	107	1032399	42.732	ng		99
22) Acetophenone	8.604	105	1394781	45.269	ng	#	98
24) Nitrobenzene	8.980	77	1008774	46.775	ng		99
25) Isophorone	9.510	82	1809915	44.221	ng		99
26) 2-Nitrophenol	9.686	139	452068	48.560	ng		99
27) 2,4-Dimethylphenol	9.751	122	860580	44.991	ng		99
28) bis(2-Chloroethoxy)met...	9.992	93	1192528	44.601	ng		99
29) 2,4-Dichlorophenol	10.222	162	815245	46.057	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	918180	46.614	ng		99
31) Naphthalene	10.627	128	2842640	44.581	ng		100
32) Benzoic acid	9.869	122	514873	42.831	ng		99
33) 4-Chloroaniline	10.727	127	288124	10.599	ng		98
34) Hexachlorobutadiene	10.922	225	550713	47.004	ng		99
35) Caprolactam	11.492	113	228114	40.649	ng		93
36) 4-Chloro-3-methylphenol	11.851	107	803016	42.515	ng		100
37) 2-Methylnaphthalene	12.239	142	1697571	44.131	ng		99
38) 1-Methylnaphthalene	12.457	142	1765176	43.235	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	919860	48.593	ng		99
41) Hexachlorocyclopentadiene	12.598	237	1246647	108.441	ng		98
43) 2,4,6-Trichlorophenol	12.845	196	596512	47.918	ng		99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050208.D
Acq On : 06 Jun 2025 10:47
Operator : RC/JU
Sample : PB168269BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168269BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.910	196	648023	47.413	ng		98
46)	1,1'-Biphenyl	13.251	154	2302794	46.912	ng		100
47)	2-Chloronaphthalene	13.292	162	1775566	46.527	ng		99
48)	2-Nitroaniline	13.486	65	406112	48.358	ng		99
49)	Acenaphthylene	14.133	152	2844003	46.075	ng		99
50)	Dimethylphthalate	13.874	163	1978120	44.618	ng		99
51)	2,6-Dinitrotoluene	13.980	165	425559	47.597	ng		95
52)	Acenaphthene	14.480	154	1905934	49.367	ng		99
53)	3-Nitroaniline	14.304	138	180262	18.090	ng		94
54)	2,4-Dinitrophenol	14.510	184	466278	90.070	ng		96
55)	Dibenzofuran	14.815	168	2529176	44.778	ng		99
56)	4-Nitrophenol	14.610	139	818441	96.500	ng		100
57)	2,4-Dinitrotoluene	14.768	165	582583	49.396	ng		99
58)	Fluorene	15.462	166	1923441	44.461	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.033	232	539527m	45.625	ng		
60)	Diethylphthalate	15.245	149	1933121	43.945	ng		99
61)	4-Chlorophenyl-phenyle...	15.462	204	928607	44.414	ng		98
62)	4-Nitroaniline	15.468	138	395494	42.346	ng		99
63)	Azobenzene	15.751	77	1951359	44.381	ng		98
65)	4,6-Dinitro-2-methylph...	15.527	198	292506	47.665	ng		95
66)	n-Nitrosodiphenylamine	15.668	169	1684849	47.725	ng		99
67)	4-Bromophenyl-phenylether	16.351	248	573472	47.863	ng		99
68)	Hexachlorobenzene	16.462	284	665920	47.570	ng		98
69)	Atrazine	16.621	200	556402	49.464	ng		100
70)	Pentachlorophenol	16.804	266	897621	98.626	ng		99
71)	Phenanthrene	17.192	178	2959230	46.104	ng		100
72)	Anthracene	17.286	178	3004594	46.793	ng		100
73)	Carbazole	17.551	167	2762804	47.230	ng		99
74)	Di-n-butylphthalate	18.133	149	3068125	48.203	ng		100
75)	Fluoranthene	19.203	202	3170134	46.834	ng		98
77)	Benzidine	19.386	184	762450	25.565	ng		100
78)	Pyrene	19.568	202	3317752	46.414	ng		99
80)	Butylbenzylphthalate	20.480	149	1200885	50.365	ng		97
81)	Benzo(a)anthracene	21.362	228	3170963	47.237	ng		100
82)	3,3'-Dichlorobenzidine	21.286	252	487751	23.827	ng		100
83)	Chrysene	21.427	228	3030852	47.465	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.315	149	1865304	50.788	ng		98
85)	Di-n-octyl phthalate	22.456	149	3032564	55.644	ng		100
87)	Indeno(1,2,3-cd)pyrene	27.744	276	4171594	54.627	ng	#	93
88)	Benzo(b)fluoranthene	23.427	252	3291254	47.730	ng		100
89)	Benzo(k)fluoranthene	23.491	252	3268507	46.432	ng		99
90)	Benzo(a)pyrene	24.227	252	3181588	49.074	ng		99
91)	Dibenzo(a,h)anthracene	27.809	278	3373519	54.424	ng		98
92)	Benzo(g,h,i)perylene	28.791	276	3433734	55.347	ng		100

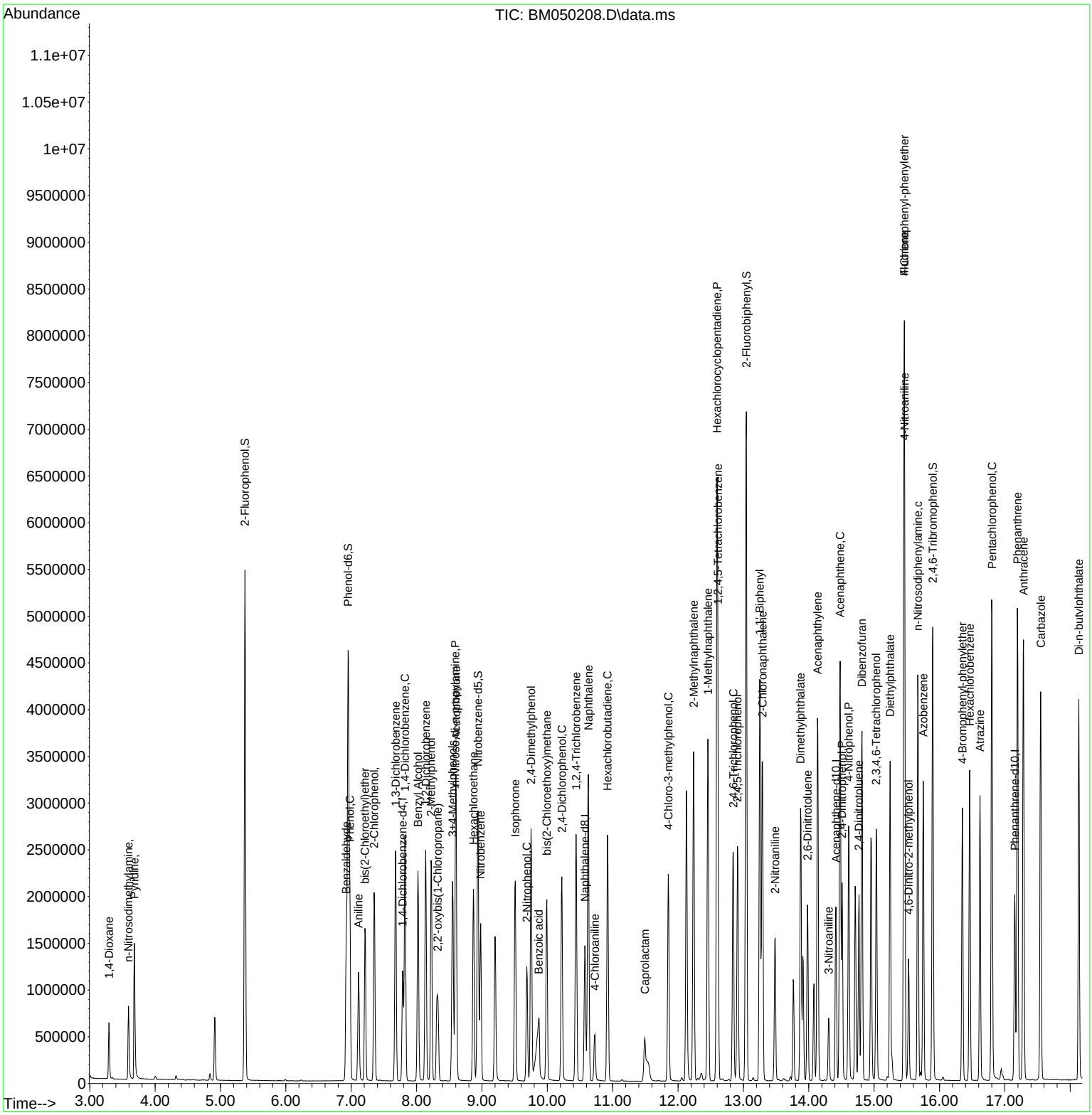
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050208.D
Acq On : 06 Jun 2025 10:47
Operator : RC/JU
Sample : PB168269BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168269BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

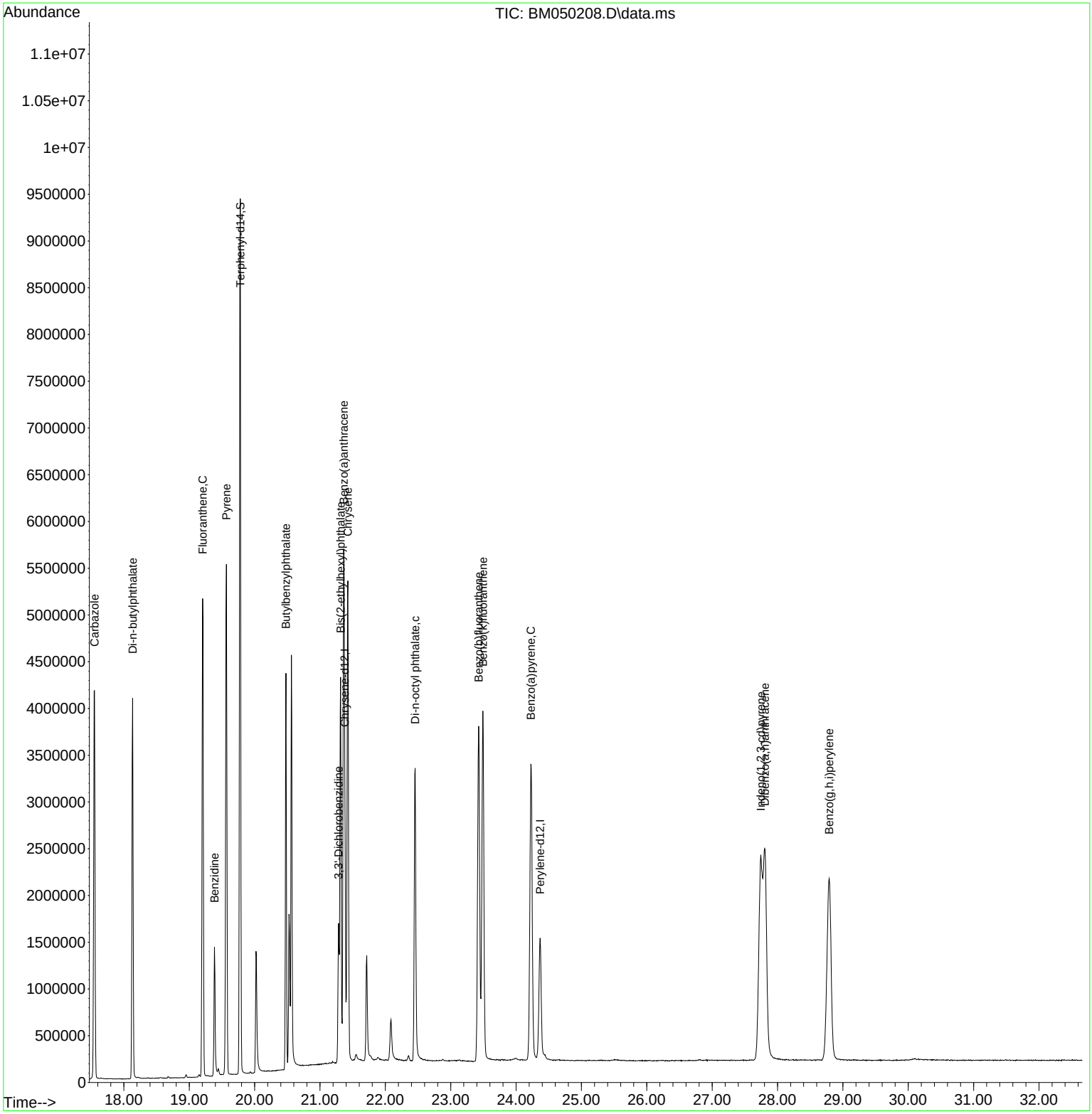


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050208.D
Acq On : 06 Jun 2025 10:47
Operator : RC/JU
Sample : PB168269BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 11:23:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168269BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050210.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : Q2177-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 12:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	326296	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1267565	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	684770	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1179346	20.000	ng		0.00
76) Chrysene-d12	21.380	240	1089185	20.000	ng		0.00
86) Perylene-d12	24.368	264	1220890	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	2382563	121.805	ng		0.00
7) Phenol-d6	6.951	99	2812170	109.213	ng		0.00
23) Nitrobenzene-d5	8.939	82	1937115	79.480	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	969471	124.470	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	3927928	77.659	ng		0.00
79) Terphenyl-d14	19.780	244	4567622	79.470	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	307156	35.824	ng	#	76
3) Pyridine	3.693	79	829922	37.377	ng		99
4) n-Nitrosodimethylamine	3.599	42	195836	42.652	ng		96
6) Aniline	7.116	93	636648	18.703	ng		98
8) 2-Chlorophenol	7.351	128	953896	44.335	ng		99
9) Benzaldehyde	6.928	77	331231	20.233	ng		99
10) Phenol	6.981	94	1055295	38.734	ng		99
11) bis(2-Chloroethyl)ether	7.216	93	939657	42.879	ng		100
12) 1,3-Dichlorobenzene	7.681	146	906130	37.672	ng		99
13) 1,4-Dichlorobenzene	7.822	146	941185	37.608	ng		99
14) 1,2-Dichlorobenzene	8.140	146	911840	38.220	ng		98
15) Benzyl Alcohol	8.022	79	799947	43.557	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	640359	42.065	ng		98
17) 2-Methylphenol	8.222	107	764025	42.501	ng		99
18) Hexachloroethane	8.869	117	343431	37.893	ng		100
19) n-Nitroso-di-n-propyla...	8.592	70	665245	42.218	ng		99
20) 3+4-Methylphenols	8.551	107	1011265	42.047	ng		99
22) Acetophenone	8.604	105	1363804	43.066	ng	#	99
24) Nitrobenzene	8.981	77	991933	44.750	ng		99
25) Isophorone	9.510	82	1843904	43.833	ng		99
26) 2-Nitrophenol	9.686	139	446203	46.634	ng		98
27) 2,4-Dimethylphenol	9.751	122	870473	44.277	ng		100
28) bis(2-Chloroethoxy)met...	9.992	93	1203792	43.804	ng		100
29) 2,4-Dichlorophenol	10.222	162	821582	45.159	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	854167	42.191	ng		100
31) Naphthalene	10.628	128	2759166	42.102	ng		100
32) Benzoic acid	9.863	122	448266	36.282	ng		99
33) 4-Chloroaniline	10.728	127	165910	5.938	ng		97
34) Hexachlorobutadiene	10.922	225	499405	41.472	ng		99
35) Caprolactam	11.486	113	203525	35.286	ng		97
36) 4-Chloro-3-methylphenol	11.851	107	825779	42.538	ng		98
37) 2-Methylnaphthalene	12.239	142	1691822	42.792	ng		99
38) 1-Methylnaphthalene	12.457	142	1762386	41.999	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	919589	46.506	ng		99
41) Hexachlorocyclopentadiene	12.598	237	1103835	91.922	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	620811	47.742	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050210.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : Q2177-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 12:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.910	196	667141	46.729	ng	98
46) 1,1'-Biphenyl	13.251	154	2341527	45.666	ng	98
47) 2-Chloronaphthalene	13.292	162	1792919	44.977	ng	99
48) 2-Nitroaniline	13.486	65	427535	48.737	ng	99
49) Acenaphthylene	14.133	152	2916115	45.228	ng	99
50) Dimethylphthalate	13.874	163	2077786	44.866	ng	99
51) 2,6-Dinitrotoluene	13.980	165	442037	47.330	ng	94
52) Acenaphthene	14.480	154	1930436	47.868	ng	100
53) 3-Nitroaniline	14.304	138	186328	17.901	ng	99
54) 2,4-Dinitrophenol	14.510	184	415808	74.958	ng	98
55) Dibenzofuran	14.816	168	2598540	44.043	ng	100
56) 4-Nitrophenol	14.610	139	759762	85.759	ng	100
57) 2,4-Dinitrotoluene	14.768	165	601051	48.787	ng	99
58) Fluorene	15.463	166	2002920	44.323	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	554722m	44.909	ng	
60) Diethylphthalate	15.245	149	2023715	44.042	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	958609	43.892	ng	98
62) 4-Nitroaniline	15.468	138	405168	41.531	ng	98
63) Azobenzene	15.751	77	2021498	44.015	ng	99
65) 4,6-Dinitro-2-methylph...	15.527	198	283528	44.016	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1749325	47.208	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	599446	47.664	ng	99
68) Hexachlorobenzene	16.462	284	690076	46.964	ng	97
69) Atrazine	16.621	200	563892	47.759	ng	100
70) Pentachlorophenol	16.798	266	916700	95.958	ng	99
71) Phenanthrene	17.192	178	3030486	44.981	ng	99
72) Anthracene	17.286	178	3066040	45.491	ng	100
73) Carbazole	17.545	167	2802423	45.641	ng	100
74) Di-n-butylphthalate	18.133	149	3131978	46.879	ng	100
75) Fluoranthene	19.203	202	3233462	45.511	ng	99
77) Benzidine	19.386	184	634071	20.702	ng	99
78) Pyrene	19.568	202	3367898	45.877	ng	99
80) Butylbenzylphthalate	20.480	149	1220876	49.857	ng	99
81) Benzo(a)anthracene	21.362	228	3202268	46.450	ng	99
82) 3,3'-Dichlorobenzidine	21.286	252	453770	21.584	ng	99
83) Chrysene	21.427	228	3030304	46.209	ng	99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1831065	48.545	ng	100
85) Di-n-octyl phthalate	22.456	149	2992661	53.468	ng	100
87) Indeno(1,2,3-cd)pyrene	27.738	276	4161319	52.936	ng	100
88) Benzo(b)fluoranthene	23.433	252	3292419	46.383	ng	100
89) Benzo(k)fluoranthene	23.491	252	3248849	44.834	ng	100
90) Benzo(a)pyrene	24.233	252	3177372	47.609	ng	98
91) Dibenzo(a,h)anthracene	27.809	278	3351181	52.519	ng	98
92) Benzo(g,h,i)perylene	28.791	276	3427026	53.661	ng	100

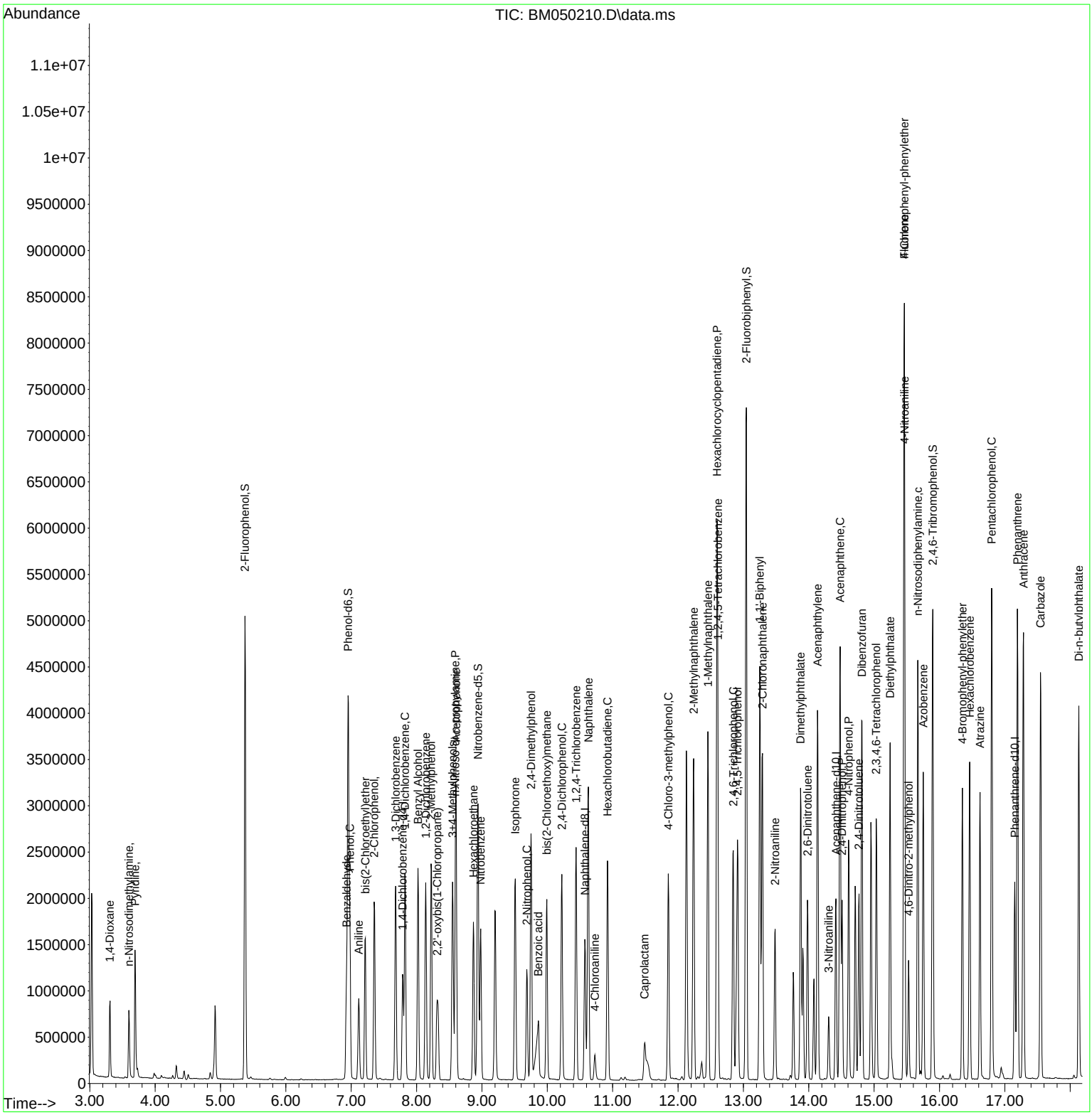
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050210.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : Q2177-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 12:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

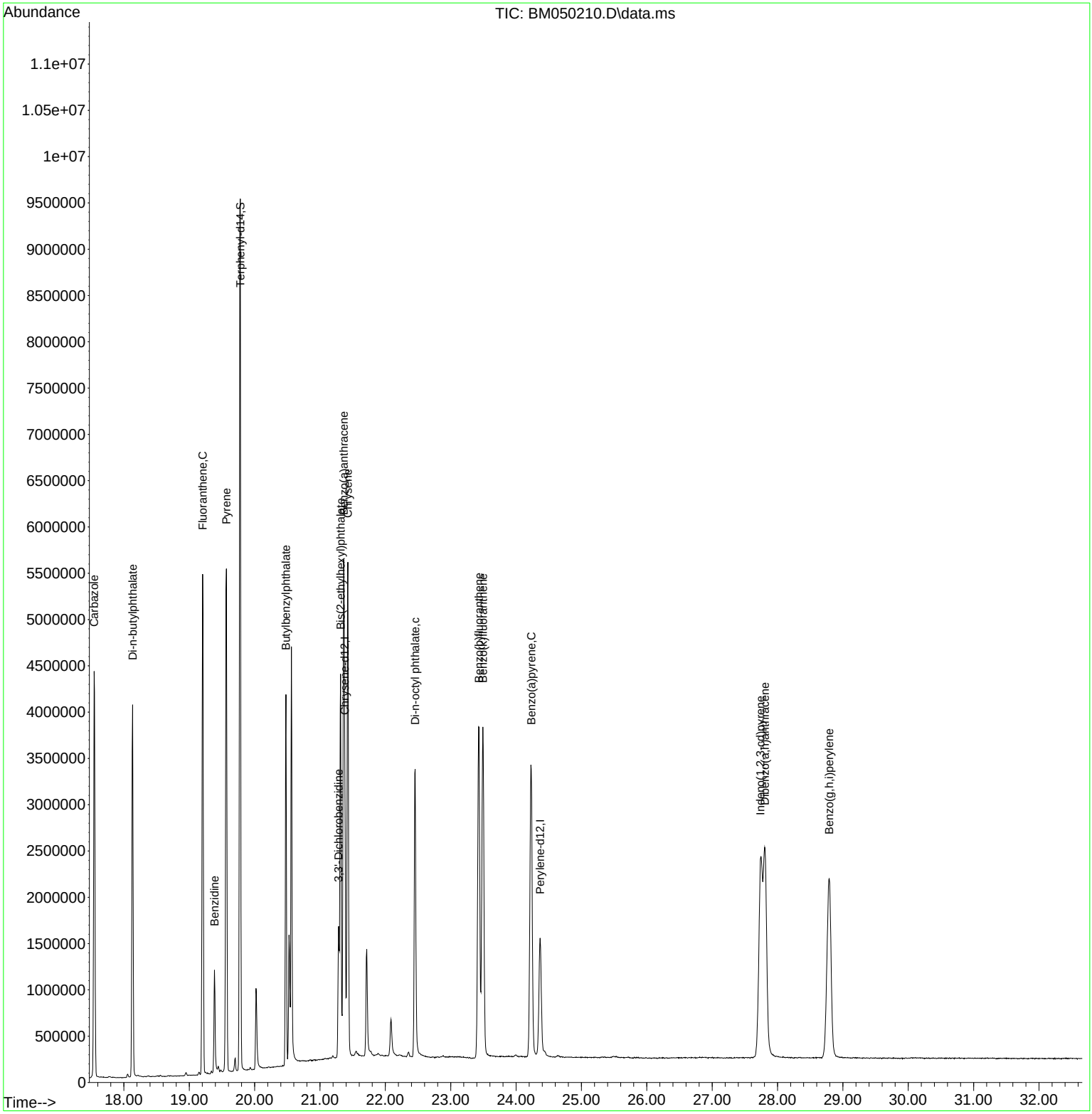


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050210.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : Q2177-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 12:38:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050211.D
Acq On : 06 Jun 2025 12:46
Operator : RC/JU
Sample : Q2177-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MSD

Quant Time: Jun 06 14:32:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	347769	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1350319	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	744312	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1278962	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1127474	20.000	ng	0.00
86) Perylene-d12	24.368	264	1245310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2430803	116.598	ng	0.00
7) Phenol-d6	6.957	99	2905330	105.864	ng	0.00
23) Nitrobenzene-d5	8.939	82	2004766	77.214	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	1020943	120.593	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	4129019	75.104	ng	0.00
79) Terphenyl-d14	19.780	244	4641959	78.021	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	304263	33.295	ng	# 77
3) Pyridine	3.693	79	827427	34.964	ng	99
4) n-Nitrosodimethylamine	3.599	42	193516	39.545	ng	95
6) Aniline	7.116	93	729082	20.096	ng	99
8) 2-Chlorophenol	7.357	128	974022	42.475	ng	99
9) Benzaldehyde	6.928	77	349435	20.027	ng	100
10) Phenol	6.981	94	1087108	37.438	ng	99
11) bis(2-Chloroethyl)ether	7.216	93	950012	40.675	ng	99
12) 1,3-Dichlorobenzene	7.681	146	922280	35.976	ng	99
13) 1,4-Dichlorobenzene	7.822	146	952487	35.710	ng	99
14) 1,2-Dichlorobenzene	8.139	146	937100	36.854	ng	99
15) Benzyl Alcohol	8.022	79	826863	42.243	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.322	45	643282	39.648	ng	100
17) 2-Methylphenol	8.228	107	797691	41.634	ng	99
18) Hexachloroethane	8.869	117	350837	36.320	ng	100
19) n-Nitroso-di-n-propyla...	8.592	70	683284	40.685	ng	99
20) 3+4-Methylphenols	8.551	107	1054728	41.147	ng	99
22) Acetophenone	8.604	105	1400969	41.529	ng	99
24) Nitrobenzene	8.981	77	1011971	42.856	ng	99
25) Isophorone	9.510	82	1912338	42.674	ng	99
26) 2-Nitrophenol	9.686	139	471795	46.287	ng	99
27) 2,4-Dimethylphenol	9.751	122	918348	43.849	ng	98
28) bis(2-Chloroethoxy)met...	9.992	93	1245014	42.528	ng	100
29) 2,4-Dichlorophenol	10.222	162	873426	45.067	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	886234	41.092	ng	99
31) Naphthalene	10.627	128	2831466	40.557	ng	100
32) Benzoic acid	9.863	122	477925	36.311	ng	98
33) 4-Chloroaniline	10.727	127	187043	6.284	ng	99
34) Hexachlorobutadiene	10.922	225	516046	40.227	ng	100
35) Caprolactam	11.492	113	211805	34.472	ng	97
36) 4-Chloro-3-methylphenol	11.851	107	877820	42.447	ng	100
37) 2-Methylnaphthalene	12.239	142	1772625	42.088	ng	99
38) 1-Methylnaphthalene	12.457	142	1844686	41.266	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	960082	44.670	ng	99
41) Hexachlorocyclopentadiene	12.598	237	1140357	87.366	ng	97
43) 2,4,6-Trichlorophenol	12.845	196	659262	46.644	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050211.D
Acq On : 06 Jun 2025 12:46
Operator : RC/JU
Sample : Q2177-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MSD

Quant Time: Jun 06 14:32:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

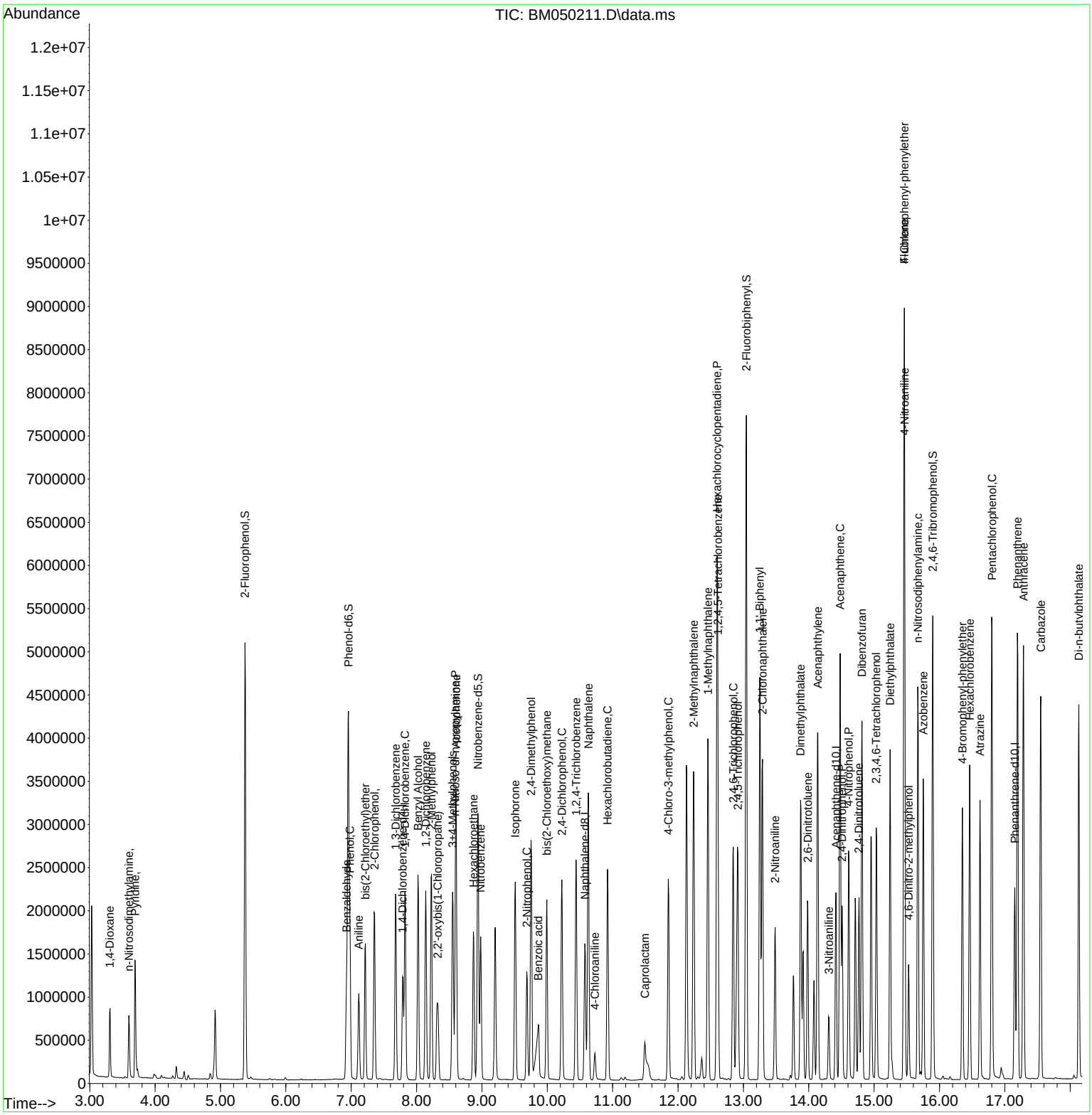
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	711164	45.827	ng		99
46) 1,1'-Biphenyl	13.251	154	2452677	44.007	ng		99
47) 2-Chloronaphthalene	13.292	162	1881619	43.426	ng		100
48) 2-Nitroaniline	13.486	65	452934	47.502	ng		98
49) Acenaphthylene	14.139	152	3052359	43.554	ng		100
50) Dimethylphthalate	13.874	163	2192800	43.562	ng		99
51) 2,6-Dinitrotoluene	13.986	165	471247	46.422	ng		99
52) Acenaphthene	14.480	154	2026567	46.232	ng		99
53) 3-Nitroaniline	14.310	138	203472	17.984	ng		98
54) 2,4-Dinitrophenol	14.510	184	442324	73.179	ng		97
55) Dibenzofuran	14.815	168	2748348	42.856	ng		99
56) 4-Nitrophenol	14.610	139	789854	82.024	ng		99
57) 2,4-Dinitrotoluene	14.768	165	637253	47.588	ng		99
58) Fluorene	15.462	166	2086832	42.486	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	586771	43.703	ng		93
60) Diethylphthalate	15.245	149	2118106	42.409	ng		99
61) 4-Chlorophenyl-phenyle...	15.462	204	1007290	42.432	ng		97
62) 4-Nitroaniline	15.468	138	431923	40.732	ng		98
63) Azobenzene	15.751	77	2096222	41.991	ng		98
65) 4,6-Dinitro-2-methylph...	15.527	198	303524	43.451	ng		98
66) n-Nitrosodiphenylamine	15.668	169	1833639	45.629	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	631109	46.273	ng		99
68) Hexachlorobenzene	16.462	284	727918	45.681	ng		98
69) Atrazine	16.621	200	590156	46.090	ng		98
70) Pentachlorophenol	16.804	266	953669	92.052	ng		99
71) Phenanthrene	17.192	178	3163946	43.304	ng		100
72) Anthracene	17.286	178	3193033	43.685	ng		100
73) Carbazole	17.551	167	2890483	43.408	ng		100
74) Di-n-butylphthalate	18.133	149	3263385	45.042	ng		100
75) Fluoranthene	19.203	202	3320524	43.096	ng		99
77) Benzidine	19.386	184	701246	22.118	ng		99
78) Pyrene	19.568	202	3454160	45.454	ng		99
80) Butylbenzylphthalate	20.480	149	1245626	49.140	ng		99
81) Benzo(a)anthracene	21.368	228	3199318	44.831	ng		100
82) 3,3'-Dichlorobenzidine	21.286	252	474153	21.788	ng		99
83) Chrysene	21.427	228	3033462	44.686	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1868435	47.853	ng		99
85) Di-n-octyl phthalate	22.456	149	3010702	51.964	ng		100
87) Indeno(1,2,3-cd)pyrene	27.744	276	4044672	50.443	ng	#	93
88) Benzo(b)fluoranthene	23.433	252	3187024	44.018	ng		99
89) Benzo(k)fluoranthene	23.497	252	3248023	43.944	ng		99
90) Benzo(a)pyrene	24.232	252	3112925	45.728	ng		99
91) Dibenzo(a,h)anthracene	27.809	278	3254856	50.009	ng		100
92) Benzo(g,h,i)perylene	28.791	276	3327556	51.082	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050211.D
Acq On : 06 Jun 2025 12:46
Operator : RC/JU
Sample : Q2177-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MSD

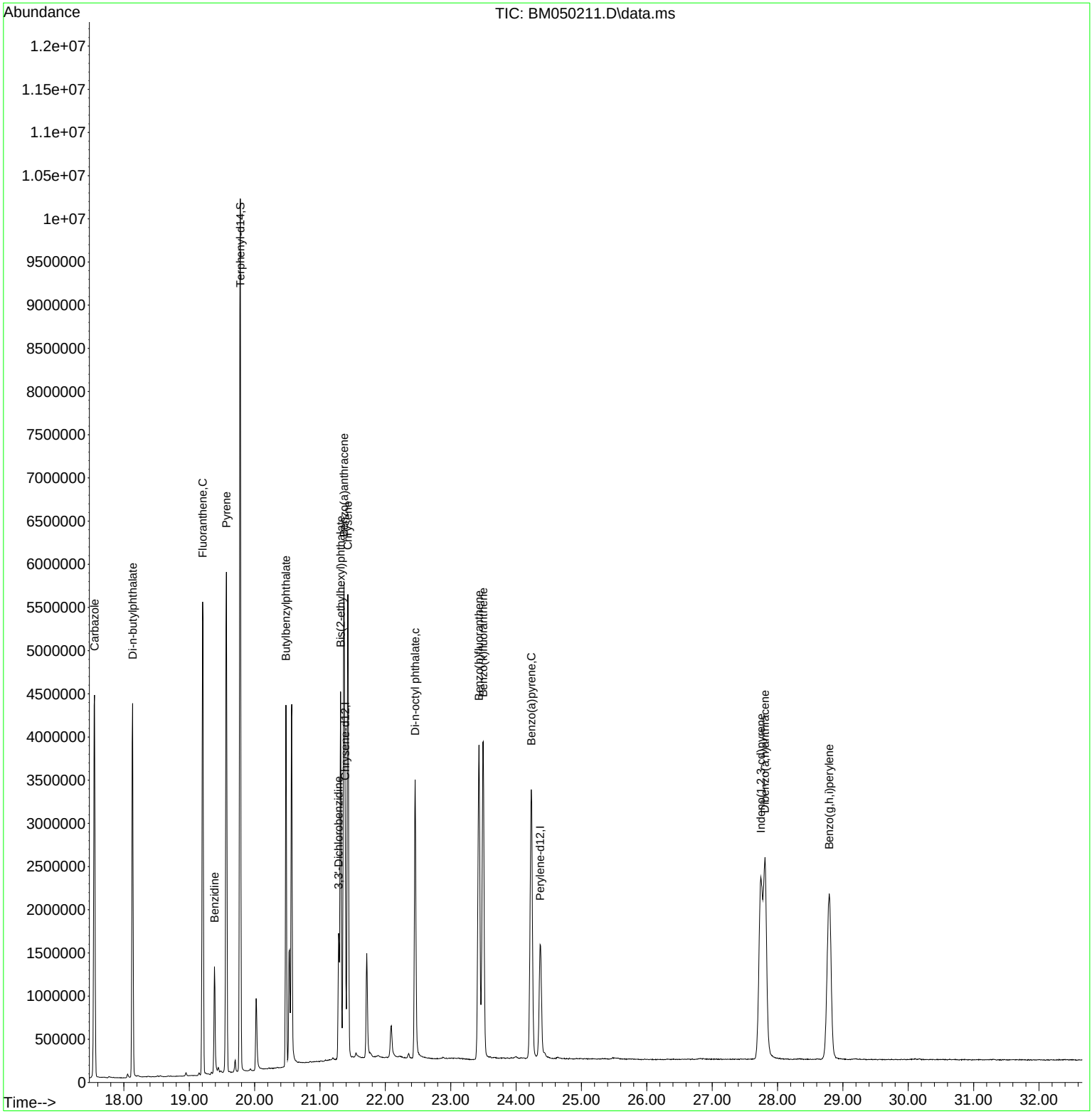
Quant Time: Jun 06 14:32:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
Data File : BM050211.D
Acq On : 06 Jun 2025 12:46
Operator : RC/JU
Sample : Q2177-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-187-SB01MSD

Quant Time: Jun 06 14:32:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BM060525	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050195.D	2,3,4,6-Tetrachlorophenol	Rahul	6/6/2025 12:19:17 PM	Jagrut	6/6/2025 1:16:08 PM	Peak Integrated by Software
SSTDICC005	BM050195.D	Benzaldehyde	Rahul	6/6/2025 12:19:17 PM	Jagrut	6/6/2025 1:16:08 PM	Peak Integrated by Software
SSTDICC010	BM050196.D	2,3,4,6-Tetrachlorophenol	Rahul	6/5/2025 4:48:25 PM	Jagrut	6/6/2025 1:16:10 PM	Peak Integrated by Software
SSTDICC020	BM050197.D	Benzaldehyde	Rahul	6/6/2025 12:19:19 PM	Jagrut	6/6/2025 1:16:13 PM	Peak Integrated by Software
SSTDICCC040	BM050198.D	2,3,4,6-Tetrachlorophenol	Rahul	6/5/2025 4:48:28 PM	Jagrut	6/6/2025 1:16:15 PM	Peak Integrated by Software
SSTDICV040	BM050202.D	Benzaldehyde	Rahul	6/5/2025 4:48:30 PM	Jagrut	6/6/2025 1:16:18 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BM060625	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM050206.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:50:24 AM	Jagrut	6/9/2025 12:05:51 PM	Peak Integrated by Software
PB168269BS	BM050208.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:50:30 AM	Jagrut	6/9/2025 12:05:54 PM	Peak Integrated by Software
Q2177-03MS	BM050210.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:50:33 AM	Jagrut	6/9/2025 12:05:56 PM	Peak Integrated by Software
SSTDCCC040	BM050223.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:50:43 AM	Jagrut	6/9/2025 12:06:05 PM	Peak Integrated by Software

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

Review By	Rahul	Review On	6/6/2025 12:27:19 PM				
Supervise By	Jagrut	Supervise On	6/6/2025 1:16:37 PM				
SubDirectory	BM060525	HP Acquire Method	BNA_M		HP Processing Method	bm060525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050193.D	05 Jun 2025 08:40	RC/JU	Ok
2	SSTDICC2.5	BM050194.D	05 Jun 2025 09:20	RC/JU	Ok
3	SSTDICC005	BM050195.D	05 Jun 2025 09:59	RC/JU	Ok,M
4	SSTDICC010	BM050196.D	05 Jun 2025 10:38	RC/JU	Ok,M
5	SSTDICC020	BM050197.D	05 Jun 2025 11:17	RC/JU	Ok,M
6	SSTDICCC040	BM050198.D	05 Jun 2025 11:57	RC/JU	Ok,M
7	SSTDICC050	BM050199.D	05 Jun 2025 12:36	RC/JU	Ok
8	SSTDICC060	BM050200.D	05 Jun 2025 13:16	RC/JU	Ok
9	SSTDICC080	BM050201.D	05 Jun 2025 13:56	RC/JU	Ok
10	SSTDICV040	BM050202.D	05 Jun 2025 14:36	RC/JU	Ok,M
11	PB168224TB	BM050203.D	05 Jun 2025 16:35	RC/JU	Ok
12	SP6794	BM050204.D	05 Jun 2025 17:15	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060625

Review By	Rahul	Review On	6/9/2025 11:33:37 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:06:36 PM				
SubDirectory	BM060625	HP Acquire Method	BNA_M		HP Processing Method	bm060525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050205.D	06 Jun 2025 08:50	RC/JU	Ok
2	SSTDCCC040	BM050206.D	06 Jun 2025 09:29	RC/JU	Ok,M
3	PB168269BL	BM050207.D	06 Jun 2025 10:08	RC/JU	Ok
4	PB168269BS	BM050208.D	06 Jun 2025 10:47	RC/JU	Ok,M
5	Q2177-03	BM050209.D	06 Jun 2025 11:27	RC/JU	Ok
6	Q2177-03MS	BM050210.D	06 Jun 2025 12:06	RC/JU	Ok,M
7	Q2177-03MSD	BM050211.D	06 Jun 2025 12:46	RC/JU	Ok
8	Q2194-02	BM050212.D	06 Jun 2025 13:26	RC/JU	Ok
9	Q2194-02MS	BM050213.D	06 Jun 2025 14:06	RC/JU	Ok
10	Q2194-02MSD	BM050214.D	06 Jun 2025 14:46	RC/JU	Ok
11	Q2194-04	BM050215.D	06 Jun 2025 15:26	RC/JU	Ok,M
12	Q2207-09	BM050216.D	06 Jun 2025 16:06	RC/JU	Ok,M
13	Q2207-18	BM050217.D	06 Jun 2025 16:45	RC/JU	Ok,M
14	Q2207-27	BM050218.D	06 Jun 2025 17:25	RC/JU	Ok
15	Q2207-36	BM050219.D	06 Jun 2025 18:05	RC/JU	Ok
16	Q2207-45	BM050220.D	06 Jun 2025 18:45	RC/JU	Ok
17	Q2208-09	BM050221.D	06 Jun 2025 19:24	RC/JU	Ok
18	DFTPP	BM050222.D	06 Jun 2025 20:43	RC/JU	Ok
19	SSTDCCC040	BM050223.D	06 Jun 2025 21:23	RC/JU	Ok,M
20	PB168314BL	BM050224.D	06 Jun 2025 22:03	RC/JU	Ok
21	PB168314BS	BM050225.D	06 Jun 2025 22:42	RC/JU	Ok,M

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060625

Review By	Rahul	Review On	6/9/2025 11:33:37 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:06:36 PM				
SubDirectory	BM060625	HP Acquire Method	BNA_M		HP Processing Method	bm060525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168271TB	BM050226.D	06 Jun 2025 23:22	RC/JU	Ok
23	Q2208-27	BM050227.D	07 Jun 2025 00:02	RC/JU	Ok
24	Q2208-36	BM050228.D	07 Jun 2025 00:41	RC/JU	Ok
25	Q2198-02	BM050229.D	07 Jun 2025 01:21	RC/JU	Ok
26	Q2198-04	BM050230.D	07 Jun 2025 02:01	RC/JU	Ok
27	Q2206-04	BM050231.D	07 Jun 2025 02:41	RC/JU	Ok
28	Q2177-05	BM050232.D	07 Jun 2025 03:20	RC/JU	Ok
29	Q2177-07	BM050233.D	07 Jun 2025 04:00	RC/JU	Ok
30	Q2208-18	BM050234.D	07 Jun 2025 04:39	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

Review By	Rahul	Review On	6/6/2025 12:27:19 PM		
Supervise By	Jagrut	Supervise On	6/6/2025 1:16:37 PM		
SubDirectory	BM060525	HP Acquire Method	BNA_M	HP Processing Method	bm060525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050193.D	05 Jun 2025 08:40		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050194.D	05 Jun 2025 09:20		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050195.D	05 Jun 2025 09:59	Compound #32,54,65,77 removed from 5PPM	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050196.D	05 Jun 2025 10:38	Compound #54 kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050197.D	05 Jun 2025 11:17		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050198.D	05 Jun 2025 11:57	The compound # 85 failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM050199.D	05 Jun 2025 12:36		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050200.D	05 Jun 2025 13:16		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050201.D	05 Jun 2025 13:56	Compound #9 removed from 80PPM	RC/JU	Ok
10	SSTDICV040	ICVBM060525	BM050202.D	05 Jun 2025 14:36		RC/JU	Ok,M
11	PB168224TB	PB168224TB	BM050203.D	05 Jun 2025 16:35		RC/JU	Ok
12	SP6794	SP6794	BM050204.D	05 Jun 2025 17:15		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060625

Review By	Rahul	Review On	6/9/2025 11:33:37 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:06:36 PM		
SubDirectory	BM060625	HP Acquire Method	BNA_M	HP Processing Method	bm060525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050205.D	06 Jun 2025 08:50		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050206.D	06 Jun 2025 09:29		RC/JU	Ok,M
3	PB168269BL	PB168269BL	BM050207.D	06 Jun 2025 10:08		RC/JU	Ok
4	PB168269BS	PB168269BS	BM050208.D	06 Jun 2025 10:47		RC/JU	Ok,M
5	Q2177-03	B-187-SB01	BM050209.D	06 Jun 2025 11:27		RC/JU	Ok
6	Q2177-03MS	B-187-SB01MS	BM050210.D	06 Jun 2025 12:06		RC/JU	Ok,M
7	Q2177-03MSD	B-187-SB01MSD	BM050211.D	06 Jun 2025 12:46		RC/JU	Ok
8	Q2194-02	COMP-12	BM050212.D	06 Jun 2025 13:26		RC/JU	Ok
9	Q2194-02MS	COMP-12MS	BM050213.D	06 Jun 2025 14:06		RC/JU	Ok
10	Q2194-02MSD	COMP-12MSD	BM050214.D	06 Jun 2025 14:46		RC/JU	Ok
11	Q2194-04	COMP-13	BM050215.D	06 Jun 2025 15:26		RC/JU	Ok,M
12	Q2207-09	BU-703-COMP-01	BM050216.D	06 Jun 2025 16:06		RC/JU	Ok,M
13	Q2207-18	BU-703-COMP-02	BM050217.D	06 Jun 2025 16:45		RC/JU	Ok,M
14	Q2207-27	BU-703-COMP-03	BM050218.D	06 Jun 2025 17:25		RC/JU	Ok
15	Q2207-36	BU-703-COMP-04	BM050219.D	06 Jun 2025 18:05		RC/JU	Ok
16	Q2207-45	BU-703-COMP-05	BM050220.D	06 Jun 2025 18:45		RC/JU	Ok
17	Q2208-09	BU-703-COMP-06	BM050221.D	06 Jun 2025 19:24		RC/JU	Ok
18	DFTPP	DFTPP	BM050222.D	06 Jun 2025 20:43		RC/JU	Ok

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060625

Review By	Rahul	Review On	6/9/2025 11:33:37 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:06:36 PM		
SubDirectory	BM060625	HP Acquire Method	BNA_M	HP Processing Method	bm060525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BM050223.D	06 Jun 2025 21:23		RC/JU	Ok,M
20	PB168314BL	PB168314BL	BM050224.D	06 Jun 2025 22:03		RC/JU	Ok
21	PB168314BS	PB168314BS	BM050225.D	06 Jun 2025 22:42		RC/JU	Ok,M
22	PB168271TB	PB168271TB	BM050226.D	06 Jun 2025 23:22		RC/JU	Ok
23	Q2208-27	BU-703-COMP-08	BM050227.D	07 Jun 2025 00:02		RC/JU	Ok
24	Q2208-36	BU-703-COMP-09	BM050228.D	07 Jun 2025 00:41		RC/JU	Ok
25	Q2198-02	B-202-SB02	BM050229.D	07 Jun 2025 01:21		RC/JU	Ok
26	Q2198-04	B-207-SB02	BM050230.D	07 Jun 2025 02:01		RC/JU	Ok
27	Q2206-04	TP-1	BM050231.D	07 Jun 2025 02:41		RC/JU	Ok
28	Q2177-05	B-187-SB02	BM050232.D	07 Jun 2025 03:20		RC/JU	Ok
29	Q2177-07	B-202-SB01	BM050233.D	07 Jun 2025 04:00		RC/JU	Ok
30	Q2208-18	BU-703-COMP-07	BM050234.D	07 Jun 2025 04:39		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

SOP ID : M1311-TCLP-16

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 : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : 10 N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	JP /TCLP Room	SJS. RS 1Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168224

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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177 **WorkList ID :** 189871 **Department :** TCLP Extraction **Date :** 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311

Date/Time 06/02/25 15:00

Raw Sample Received by: JW WC

Raw Sample Relinquished by: JW SH

Date/Time 06/02/25 17:30

Raw Sample Received by: JW SH

Raw Sample Relinquished by: JW WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168269

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Water			**Extraction Start Time :**	08:30
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	06/04/2025
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:**	4,5,6,7	**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	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

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
6/4/25	RS (Ext lab)	RC/SVOC
13:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168269

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 06/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP BNA	100	6	ritesh	Evelyn	1			SEP-1
PB168269BL	PB168269BL	TCLP BNA	1000	6	ritesh	Evelyn	1			2
PB168269BS	PB168269BS	TCLP BNA	1000	6	ritesh	Evelyn	1			3
Q2159-04	TP05-MHO-WC	TCLP BNA	100	6	ritesh	Evelyn	1	A		4
Q2160-04	TP04-MHG-WC	TCLP BNA	100	6	ritesh	Evelyn	1	A		5
Q2160-08	TP05-MHH-WC	TCLP BNA	100	6	ritesh	Evelyn	1	A		6
Q2172-04	TP06-MHQ	TCLP BNA	100	6	ritesh	Evelyn	1	A		7
Q2173-06	OR-400-CF-402B-COMP-23	TCLP BNA	100	6	ritesh	Evelyn	1	A		8
Q2173-12	OR-400-CF-402B-COMP-24	TCLP BNA	100	6	ritesh	Evelyn	1	A		9
Q2173-18	OR-400-CF-402B-COMP-25	TCLP BNA	100	6	ritesh	Evelyn	1	A		10
Q2177-03	B-187-SB01	TCLP BNA	100	6	ritesh	Evelyn	1	A		11
Q2177-03MS	B-187-SB01MS	TCLP BNA	100	6	ritesh	Evelyn	1	A		12
Q2177-03MSD	B-187-SB01MSD	TCLP BNA	100	6	ritesh	Evelyn	1	A		13
Q2177-05	B-187-SB02	TCLP BNA	100	6	ritesh	Evelyn	1	A		14
Q2177-07	B-202-SB01	TCLP BNA	100	6	ritesh	Evelyn	1	A		15
Q2185-04	TP02-MHB-WC	TCLP BNA	100	6	ritesh	Evelyn	1	A		16
Q2185-08	TP01-MHB-WC	TCLP BNA	100	6	ritesh	Evelyn	1	A		17

RS 6/4

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/06/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/07/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP BNA	8270E		06/04/25	06/07/25	

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

Hit Summary Sheet
SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration:

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:	06/03/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095904.D	1	06/03/25 11:34	06/03/25 18:38	PB168264

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	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		30 (61) - 150 (148)	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095908.D	1	06/03/25 11:34	06/03/25 19:32	PB168264

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	23.4		30 (57) - 150 (171)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095909.D	1	06/03/25 11:34	06/03/25 19:46	PB168264

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	19.6		30 (57) - 150 (171)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (61) - 150 (148)	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095910.D	1	06/03/25 11:34	06/03/25 19:59	PB168264

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	19.4		30 (57) - 150 (171)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		30 (61) - 150 (148)	93%	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.: Q2177

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-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	16.0	80		30 (61)	150 (148)
I.BLK-PL095896.D	PIBLK-PL095896.D	Decachlorobiphenyl	1	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.6	113		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	23.0	115		30 (61)	150 (148)
Q2173-06MS	OR-400-CF-402B-COMP-23MS	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.5	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	16.3	82		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (61)	150 (148)
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.7	94		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.1	86		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (61)	150 (148)
PB168264BL	PB168264BL	Decachlorobiphenyl	1	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (61)	150 (148)
PB168224TB	PB168224TB	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.7	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.3	96		30 (61)	150 (148)
I.BLK-PL095905.D	PIBLK-PL095905.D	Decachlorobiphenyl	1	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.0	115		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.9	115		30 (61)	150 (148)
Q2177-03	B-187-SB01	Decachlorobiphenyl	1	20	22.4	112		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	23.4	117		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.6	113		30 (61)	150 (148)
Q2177-05	B-187-SB02	Decachlorobiphenyl	1	20	19.1	96		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.8	94		30 (61)	150 (148)
Q2177-07	B-202-SB01	Decachlorobiphenyl	1	20	18.7	93		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.4	97		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (61)	150 (148)
I.BLK-PL095911.D	PIBLK-PL095911.D	Decachlorobiphenyl	1	20	21.9	110		30 (57)	150 (171)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2177

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-PL095911.D	PIBLK-PL095911.D	Tetrachloro-m-xylene	1	20	23.2	116		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.9	114		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	23.2	116		30 (61)	150 (148)
I.BLK-PL095914.D	PIBLK-PL095914.D	Decachlorobiphenyl	1	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	21.3	106		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (61)	150 (148)
PB168264BS	PB168264BS	Decachlorobiphenyl	1	20	22.0	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.1	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (61)	150 (148)
I.BLK-PL095918.D	PIBLK-PL095918.D	Decachlorobiphenyl	1	20	20.4	102		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (61)	150 (148)

( ) = 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.: Q2177 **Analytical Method:** 8081B

Client: Portal Partners Tri-Venture **DataFile :** PL095898.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 1)	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				30 (60)	150 (152)	
	Heptachlor	5	0	4.80	ug/L	96				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	4.80	ug/L	96				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.50	ug/L	90				30 (70)	150 (142)	
Client Sample ID:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 2)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102				30 (60)	150 (152)	
	Heptachlor	5	0	4.90	ug/L	98				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.00	ug/L	100				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.20	ug/L	84				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.: Q2177 **Analytical Method:** 8081B

Client: Portal Partners Tri-Venture **DataFile :** PL095899.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:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 1)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.80	ug/L	96		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.80	ug/L	96		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.60	ug/L	92		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.60	ug/L	92		2		30 (70)	150 (142)	20 (20)
Client Sample ID:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 2)	gamma-BHC (Lindane)	5	0	5.20	ug/L	104		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.90	ug/L	98		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.10	ug/L	102		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.50	ug/L	90		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.20	ug/L	84		0		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.: Q2177 **Analytical Method:** 8081B

Client: Portal Partners Tri-Venture **Datafile :** PL095917.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168264BS (Column 1)	gamma-BHC (Lindane)	0.5	0.56	ug/L	112				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	109				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	111				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.49	ug/L	99				40 (78)	140 (108)	
PB168264BS (Column 2)	gamma-BHC (Lindane)	0.5	0.55	ug/L	110				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	107				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	110				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.45	ug/L	90				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168264BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168264BL Lab File ID: PL095902.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025 Date Analyzed (2): 06/03/2025

Time Analyzed (1): 18:10 Time Analyzed (2): 18:10

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
OR-400-CF-402B-COMP-23MS	Q2173-06MS	PL095898.D	06/03/2025	06/03/2025
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	PL095899.D	06/03/2025	06/03/2025
PB168224TB	PB168224TB	PL095904.D	06/03/2025	06/03/2025
B-187-SB01	Q2177-03	PL095908.D	06/03/2025	06/03/2025
B-187-SB02	Q2177-05	PL095909.D	06/03/2025	06/03/2025
B-202-SB01	Q2177-07	PL095910.D	06/03/2025	06/03/2025
PB168264BS	PB168264BS	PL095917.D	06/04/2025	06/04/2025

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:	PB168264BL	SDG No.:	Q2177
Lab Sample ID:	PB168264BL	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095902.D	1	06/03/25 11:34	06/03/25 18:10	PB168264

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	18.1		30 (57) - 150 (171)	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		30 (61) - 150 (148)	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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:	05/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095732.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095732.D	1		05/21/25	PL052125

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	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		30 (61) - 150 (148)	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095896.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095896.D	1		06/03/25	pl060325

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	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095905.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095905.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095905.D	1		06/03/25	pl060325

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	21.4		30 (57) - 150 (171)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095911.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095911.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095911.D	1		06/03/25	pl060325

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	22.9		30 (57) - 150 (171)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		30 (61) - 150 (148)	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PL095914.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095914.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095914.D	1		06/04/25	pl060425

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	20.1		30 (57) - 150 (171)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (61) - 150 (148)	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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PL095918.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095918.D	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095918.D	1		06/04/25	pl060425

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	20.4		30 (57) - 150 (171)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168264BS	SDG No.:	Q2177
Lab Sample ID:	PB168264BS	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095917.D	1	06/03/25 11:34	06/04/25 12:07	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.56		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0096	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.49		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	22.1		30 (57) - 150 (171)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (61) - 150 (148)	110%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MS	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MS	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095898.D	1	06/03/25 11:34	06/03/25 17:15	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.10		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.00		0.096	0.50	ug/L
72-20-8	Endrin	4.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.50		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	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		30 (61) - 150 (148)	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

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:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MSD	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MSD	Matrix:	TCLP
Analytical Method:	8081B	% 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
PL095899.D	1	06/03/25 11:34	06/03/25 17:29	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.20		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.096	0.50	ug/L
72-20-8	Endrin	4.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.60		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	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		30 (61) - 150 (148)	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

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.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.11	9.10	9.10	9.10	9.10	9.10	9.00	9.20
Endrin	6.61	6.60	6.60	6.60	6.60	6.60	6.50	6.70
gamma-BHC (Lindane)	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Heptachlor	4.96	4.95	4.96	4.95	4.95	4.96	4.86	5.06
Heptachlor epoxide	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Methoxychlor	7.53	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Tetrachloro-m-xylene	3.58	3.57	3.57	3.57	3.57	3.57	3.47	3.67

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.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.89	2.89	2.89	2.89	2.89	2.79	2.99

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L

Calibration Date(s): 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.74	4.64	4.84	175163000
		2	5.27	5.17	5.37	186705000
		3	5.97	5.87	6.07	729383000
		4	6.06	5.96	6.16	887825000
		5	6.90	6.80	7.00	133478000
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.91	3.81	4.01	190212000
		2	4.49	4.39	4.59	216767000
		3	5.12	5.02	5.22	652504000
		4	5.19	5.09	5.29	564939000
		5	6.08	5.98	6.18	249456000
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095907.D **Time Analyzed:** 19:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.097	9.003	9.203	49.020	50.000	-2.0
Endrin	6.599	6.502	6.702	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.355	4.257	4.457	55.210	50.000	10.4
Heptachlor	4.953	4.855	5.055	53.750	50.000	7.5
Heptachlor epoxide	5.716	5.618	5.818	54.140	50.000	8.3
Methoxychlor	7.519	7.423	7.623	48.380	50.000	-3.2
Tetrachloro-m-xylene	3.572	3.473	3.673	54.960	50.000	9.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095907.D **Time Analyzed:** 19:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	51.620	50.000	3.2
Endrin	5.778	5.683	5.883	51.740	50.000	3.5
gamma-BHC (Lindane)	3.729	3.630	3.830	58.190	50.000	16.4
Heptachlor	4.081	3.983	4.183	56.080	50.000	12.2
Heptachlor epoxide	4.867	4.771	4.971	57.480	50.000	15.0
Methoxychlor	6.746	6.651	6.851	47.170	50.000	-5.7
Tetrachloro-m-xylene	2.885	2.786	2.986	57.170	50.000	14.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095912.D **Time Analyzed:** 20:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.003	9.203	49.580	50.000	-0.8
Endrin	6.599	6.502	6.702	49.670	50.000	-0.7
gamma-BHC (Lindane)	4.355	4.257	4.457	55.690	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.510	50.000	9.0
Heptachlor epoxide	5.715	5.618	5.818	53.980	50.000	8.0
Methoxychlor	7.519	7.423	7.623	49.420	50.000	-1.2
Tetrachloro-m-xylene	3.572	3.473	3.673	55.240	50.000	10.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095912.D **Time Analyzed:** 20:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	53.360	50.000	6.7
Endrin	5.778	5.683	5.883	51.550	50.000	3.1
gamma-BHC (Lindane)	3.728	3.630	3.830	58.370	50.000	16.7
Heptachlor	4.081	3.983	4.183	56.590	50.000	13.2
Heptachlor epoxide	4.867	4.771	4.971	57.880	50.000	15.8
Methoxychlor	6.746	6.651	6.851	48.250	50.000	-3.5
Tetrachloro-m-xylene	2.885	2.786	2.986	57.160	50.000	14.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095916.D **Time Analyzed:** 11:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.003	9.203	50.250	50.000	0.5
Endrin	6.600	6.502	6.702	48.710	50.000	-2.6
gamma-BHC (Lindane)	4.355	4.257	4.457	56.730	50.000	13.5
Heptachlor	4.953	4.855	5.055	55.030	50.000	10.1
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.270	50.000	-1.5
Tetrachloro-m-xylene	3.572	3.473	3.673	56.700	50.000	13.4

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095916.D **Time Analyzed:** 11:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.964	8.164	52.030	50.000	4.1
Endrin	5.780	5.683	5.883	48.760	50.000	-2.5
gamma-BHC (Lindane)	3.728	3.630	3.830	57.100	50.000	14.2
Heptachlor	4.081	3.983	4.183	55.210	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.730	50.000	11.5
Methoxychlor	6.747	6.651	6.851	46.180	50.000	-7.6
Tetrachloro-m-xylene	2.886	2.786	2.986	56.010	50.000	12.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 **Initial Calibration Time(s):** 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095919.D **Time Analyzed:** 13:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.099	9.003	9.203	50.390	50.000	0.8
Endrin	6.600	6.502	6.702	48.640	50.000	-2.7
gamma-BHC (Lindane)	4.355	4.257	4.457	56.510	50.000	13.0
Heptachlor	4.952	4.855	5.055	55.130	50.000	10.3
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.710	50.000	-0.6
Tetrachloro-m-xylene	3.571	3.473	3.673	56.360	50.000	12.7

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095919.D **Time Analyzed:** 13:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.964	8.164	52.910	50.000	5.8
Endrin	5.778	5.683	5.883	49.690	50.000	-0.6
gamma-BHC (Lindane)	3.727	3.630	3.830	57.470	50.000	14.9
Heptachlor	4.079	3.983	4.183	55.520	50.000	11.0
Heptachlor epoxide	4.866	4.771	4.971	56.660	50.000	13.3
Methoxychlor	6.746	6.651	6.851	47.180	50.000	-5.6
Tetrachloro-m-xylene	2.884	2.786	2.986	56.310	50.000	12.6

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	250.000	0.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095906.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.097	9.000	9.200	20.510	20.000	2.6
Tetrachloro-m-xylene	3.572	3.520	3.620	21.930	20.000	9.7
alpha-BHC	4.023	3.970	4.070	10.500	10.000	5.0
beta-BHC	4.542	4.490	4.590	10.910	10.000	9.1
gamma-BHC (Lindane)	4.355	4.300	4.410	10.780	10.000	7.8
Endrin	6.599	6.530	6.670	47.030	50.000	-5.9
4,4'-DDT	7.047	6.980	7.120	88.930	100.000	-11.1
Methoxychlor	7.520	7.450	7.590	217.930	250.000	-12.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095906.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	20.740	20.000	3.7
Tetrachloro-m-xylene	2.885	2.830	2.940	22.340	20.000	11.7
alpha-BHC	3.395	3.340	3.450	10.690	10.000	6.9
beta-BHC	4.023	3.970	4.070	11.230	10.000	12.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.740	10.000	7.4
Endrin	5.778	5.710	5.850	50.300	50.000	0.6
4,4'-DDT	6.176	6.110	6.250	96.490	100.000	-3.5
Methoxychlor	6.746	6.680	6.820	208.620	250.000	-16.6

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095915.D **Date Analyzed:** 06/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:12

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.118	9.020	9.220	21.910	20.000	9.6
Tetrachloro-m-xylene	3.592	3.540	3.640	22.900	20.000	14.5
alpha-BHC	4.043	3.990	4.090	10.840	10.000	8.4
beta-BHC	4.562	4.510	4.610	11.160	10.000	11.6
gamma-BHC (Lindane)	4.375	4.320	4.430	10.920	10.000	9.2
Endrin	6.619	6.550	6.690	50.980	50.000	2.0
4,4'-DDT	7.067	7.000	7.140	92.620	100.000	-7.4
Methoxychlor	7.540	7.470	7.610	233.190	250.000	-6.7

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095915.D **Date Analyzed:** 06/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:12

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	21.610	20.000	8.1
Tetrachloro-m-xylene	2.885	2.830	2.940	21.850	20.000	9.3
alpha-BHC	3.394	3.340	3.440	10.420	10.000	4.2
beta-BHC	4.024	3.970	4.070	10.950	10.000	9.5
gamma-BHC (Lindane)	3.728	3.680	3.780	10.470	10.000	4.7
Endrin	5.778	5.710	5.850	51.550	50.000	3.1
4,4'-DDT	6.176	6.110	6.250	99.520	100.000	-0.5
Methoxychlor	6.747	6.680	6.820	211.480	250.000	-15.4

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.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	9.10	3.57
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	9.10	3.57
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	9.10	3.57
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	18:51	PL095905.D	9.10	3.57
PEM	PEM	06/03/2025	19:05	PL095906.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	9.10	3.57
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	9.10	3.57
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	9.10	3.57
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	20:13	PL095911.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	9.10	3.57
I.BLK	I.BLK	06/04/2025	10:59	PL095914.D	9.10	3.57
PEM	PEM	06/04/2025	11:12	PL095915.D	9.12	3.59
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	9.10	3.57
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	9.11	3.58
I.BLK	I.BLK	06/04/2025	13:08	PL095918.D	9.11	3.58
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	9.10	3.57

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.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	8.06	2.89
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	8.06	2.89
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	8.06	2.89
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	18:51	PL095905.D	8.06	2.89
PEM	PEM	06/03/2025	19:05	PL095906.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	8.06	2.89
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	8.06	2.89
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	8.06	2.89
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	20:13	PL095911.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	8.06	2.89
I.BLK	I.BLK	06/04/2025	10:59	PL095914.D	8.06	2.88
PEM	PEM	06/04/2025	11:12	PL095915.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	8.06	2.89
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	8.06	2.88
I.BLK	I.BLK	06/04/2025	13:08	PL095918.D	8.06	2.88
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	8.06	2.88

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-400-CF-402B-COMP-23MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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	7.52	7.47	7.57	4.50	6.9
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.00	2
	2	3.73	3.68	3.78	5.10	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	4.1
	2	4.87	4.82	4.92	5.00	
Endrin	1	6.60	6.55	6.65	4.50	0
	2	5.78	5.73	5.83	4.50	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-400-CF-402B-COMP-23MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MSD **Date(s) Analyzed:** 06/03/2025 06/03/2025

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
Endrin	1	6.60	6.55	6.65	4.60	2.2
	2	5.78	5.73	5.83	4.50	
Methoxychlor	1	7.52	7.47	7.57	4.60	9.1
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.10	1.9
	2	3.73	3.68	3.78	5.20	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	6.1
	2	4.87	4.82	4.92	5.10	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB168264BS

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Lab Sample ID: PB168264BS **Date(s) Analyzed:** 06/04/2025 06/04/2025
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	7.53	7.48	7.58	0.49	9.3
	2	6.75	6.70	6.80	0.45	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	0.56	1.2
	2	3.73	3.68	3.78	0.55	
Heptachlor	1	4.96	4.91	5.01	0.54	1.6
	2	4.08	4.03	4.13	0.54	
Heptachlor epoxide	1	5.72	5.67	5.77	0.55	0.2
	2	4.87	4.82	4.92	0.55	
Endrin	1	6.61	6.56	6.66	0.49	0.2
	2	5.78	5.73	5.83	0.49	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:38
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	59995831	75425832	19.014	19.271
28)	SA Decachlor...	9.098	8.060	42956250	77606935	18.230	17.741
	Target Compounds						

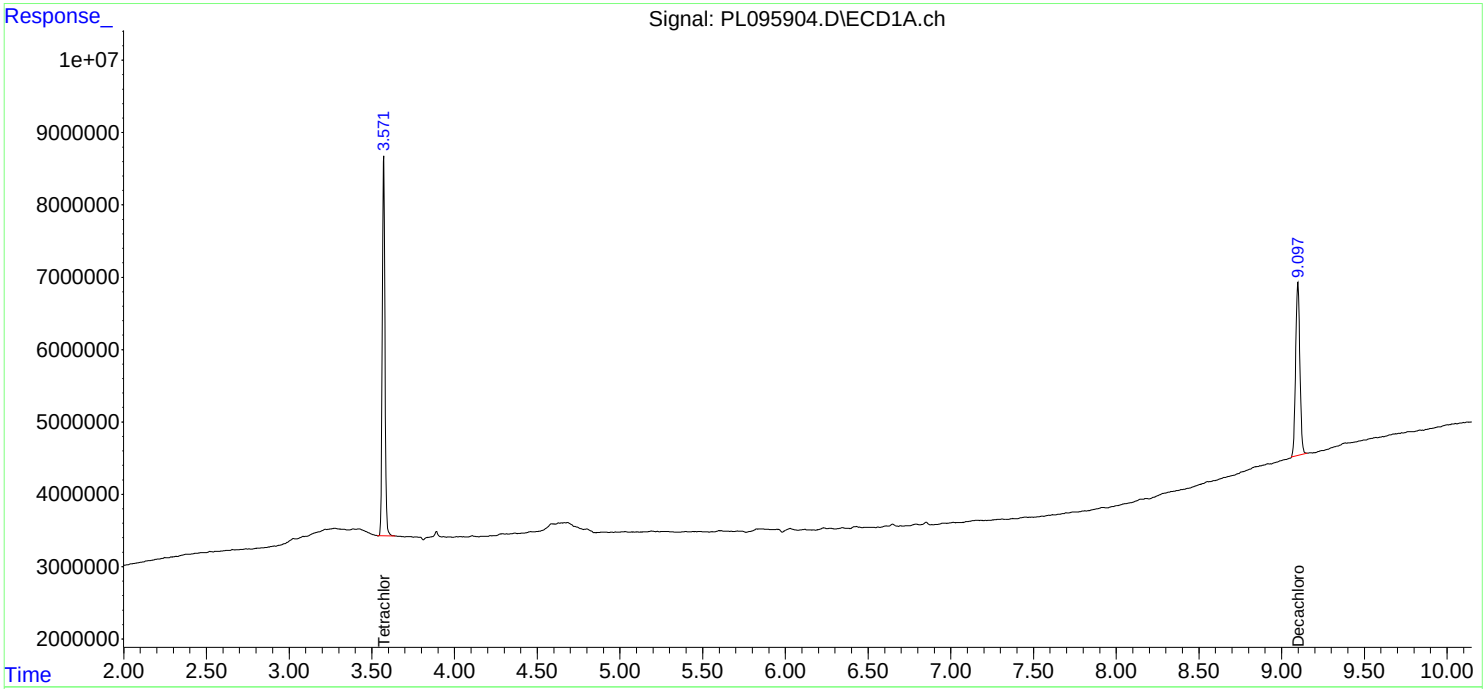
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

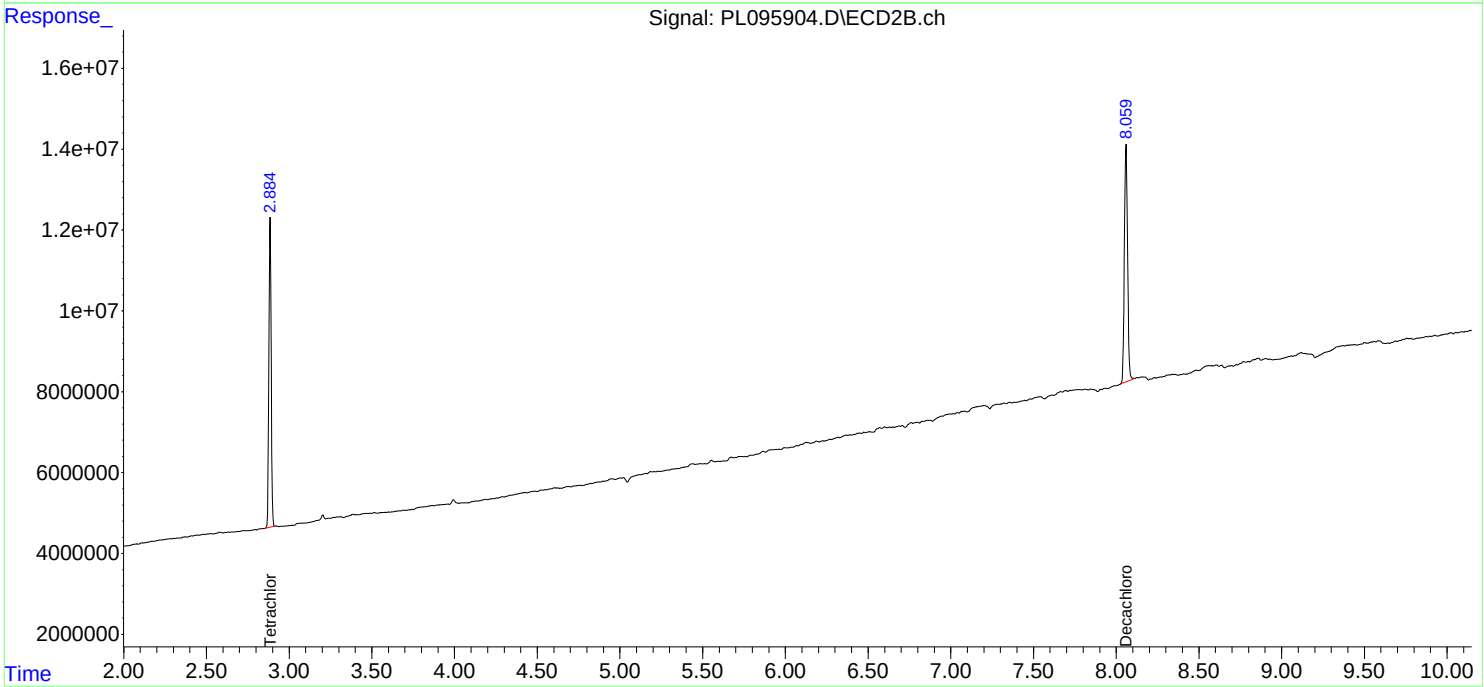
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:38
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

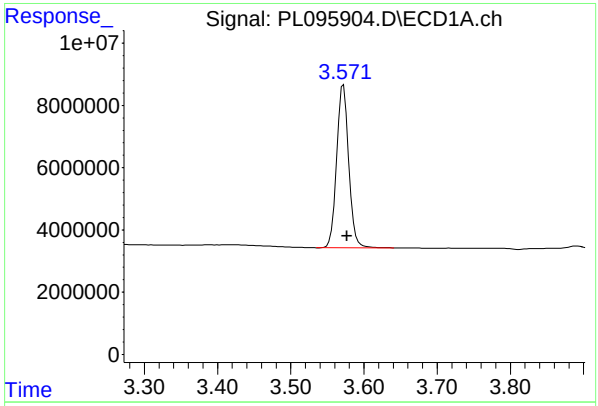
Instrument :
ECD_L
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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



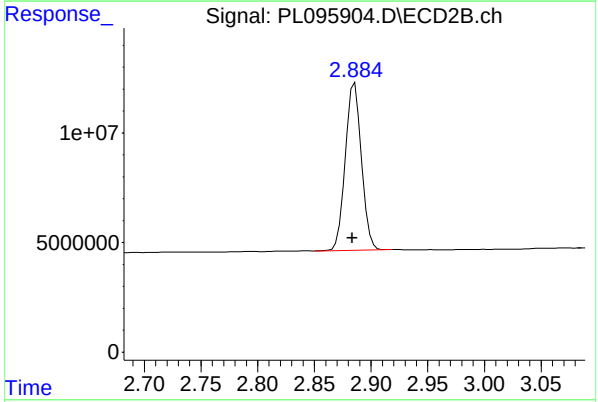




#1 Tetrachloro-m-xylene

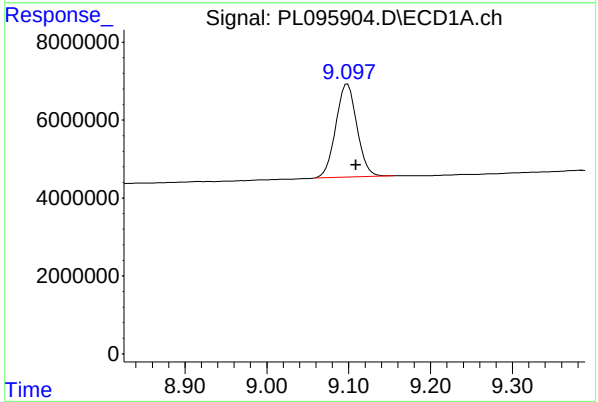
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59995831
Conc: 19.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168224TB



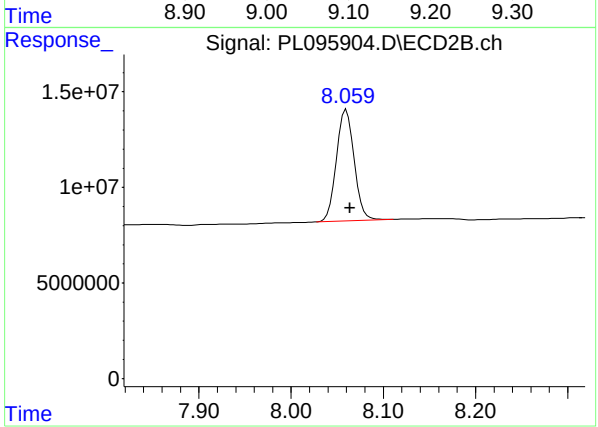
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 75425832
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.010 min
Response: 42956250
Conc: 18.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 77606935
Conc: 17.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:32
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	69565010	88243192	22.047	22.546
28)	SA Decachlor...	9.098	8.060	52815067	102.4E6	22.414	23.411
	Target Compounds						

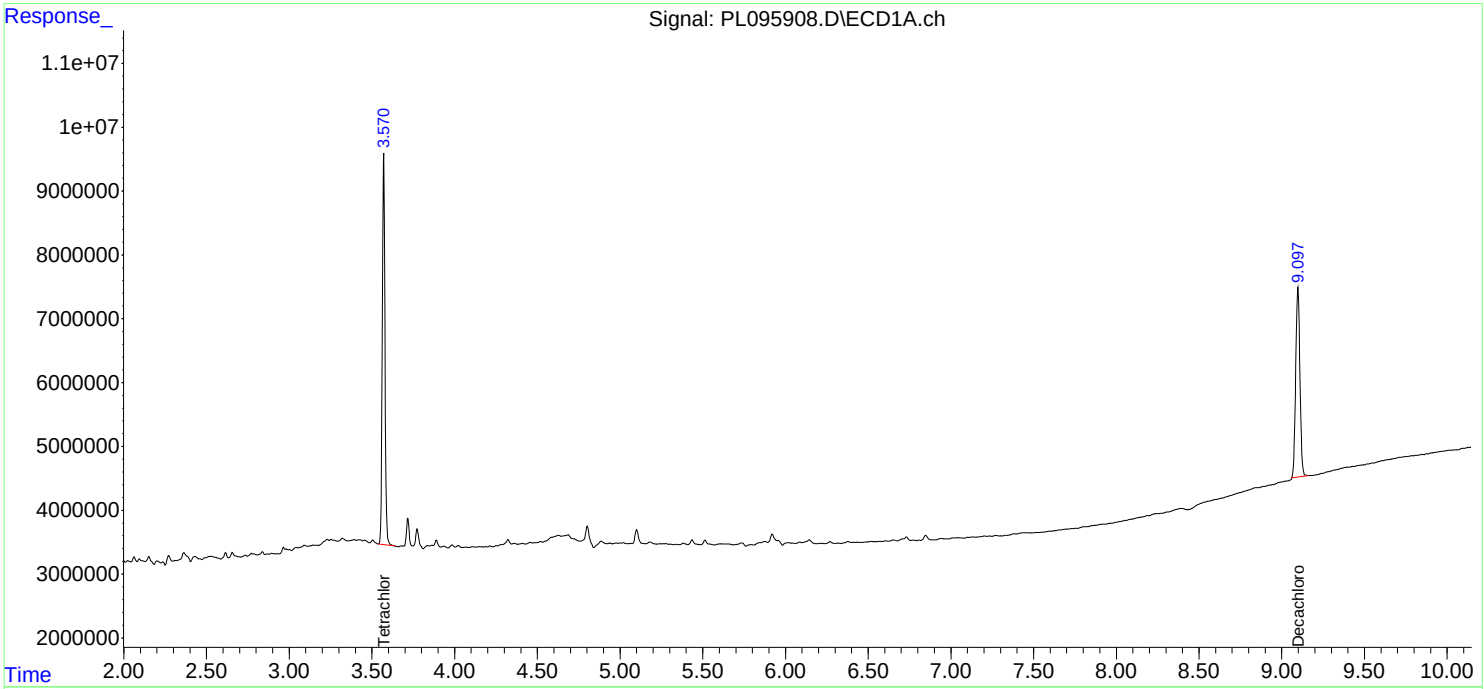
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

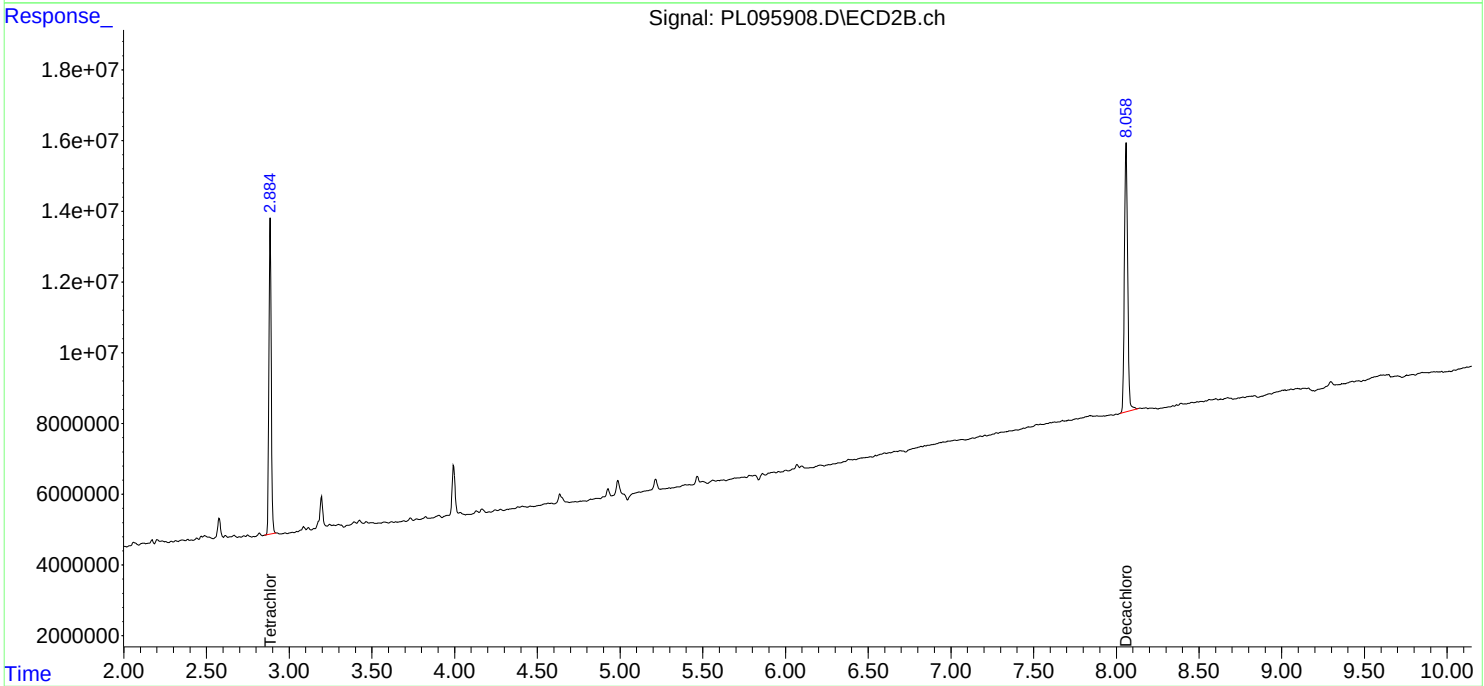
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:32
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

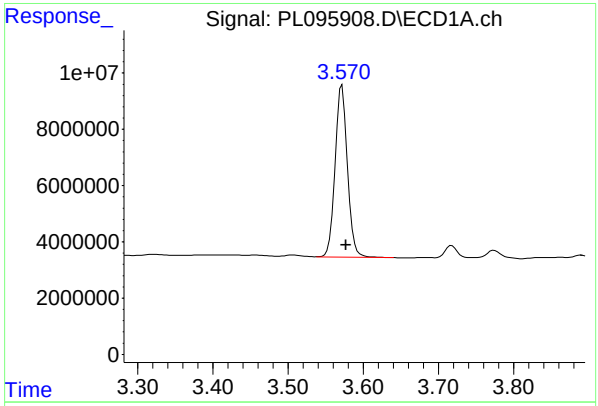
Instrument :
ECD_L
ClientSampleId :
B-187-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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



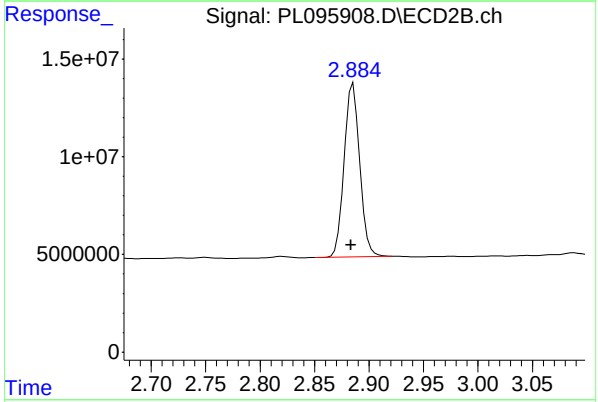




#1 Tetrachloro-m-xylene

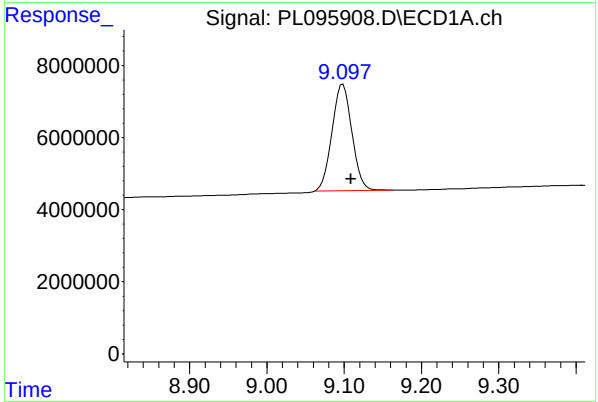
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 69565010
Conc: 22.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB01



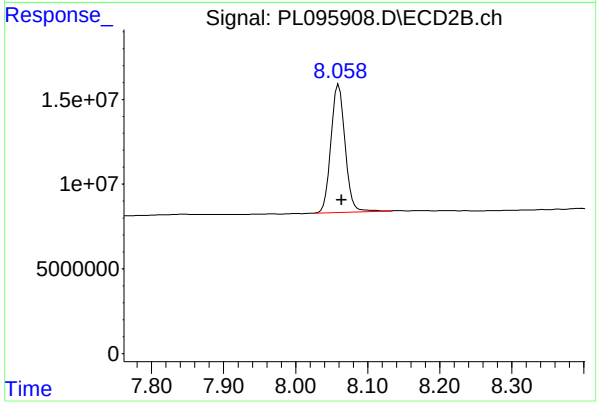
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 88243192
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 52815067
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 102409696
Conc: 23.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.573	2.885	58647653	73689880	18.587	18.828
28)	SA Decachlor...	9.098	8.060	45123175	85632807	19.150	19.576
	Target Compounds						

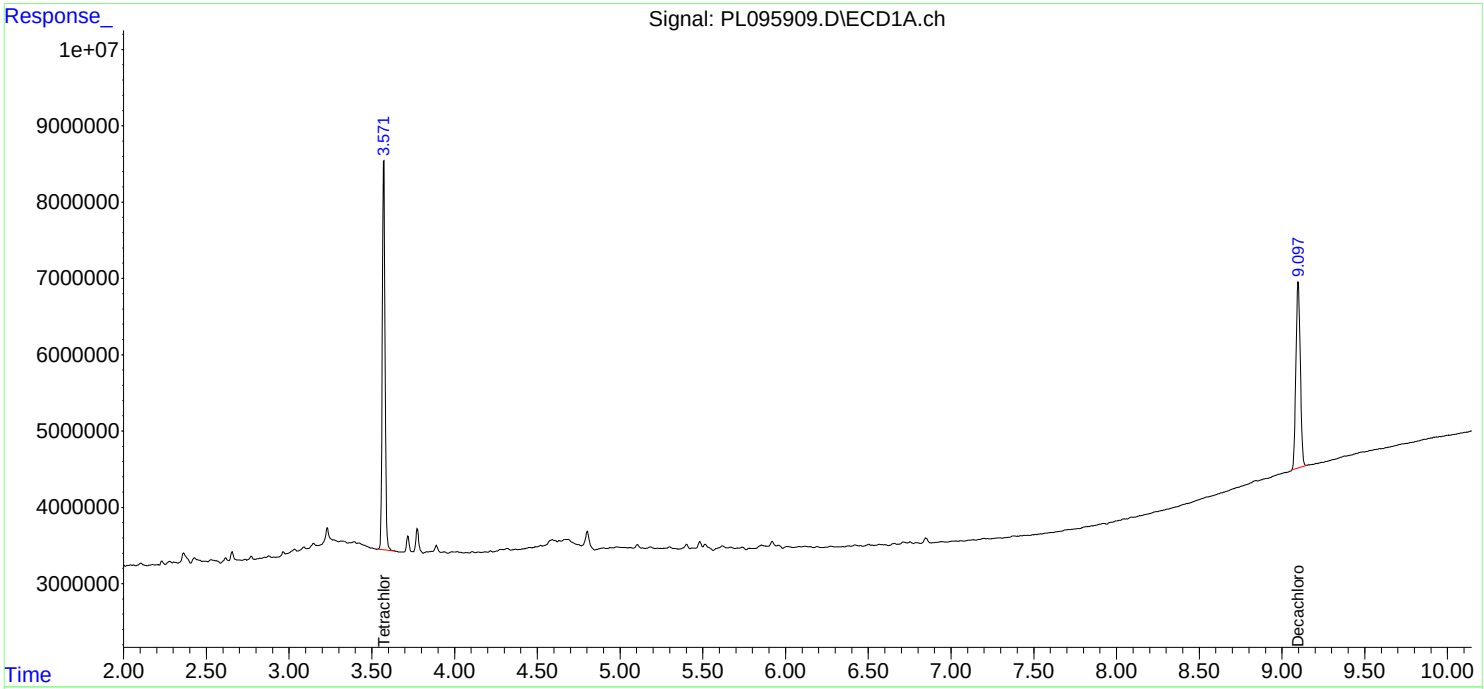
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

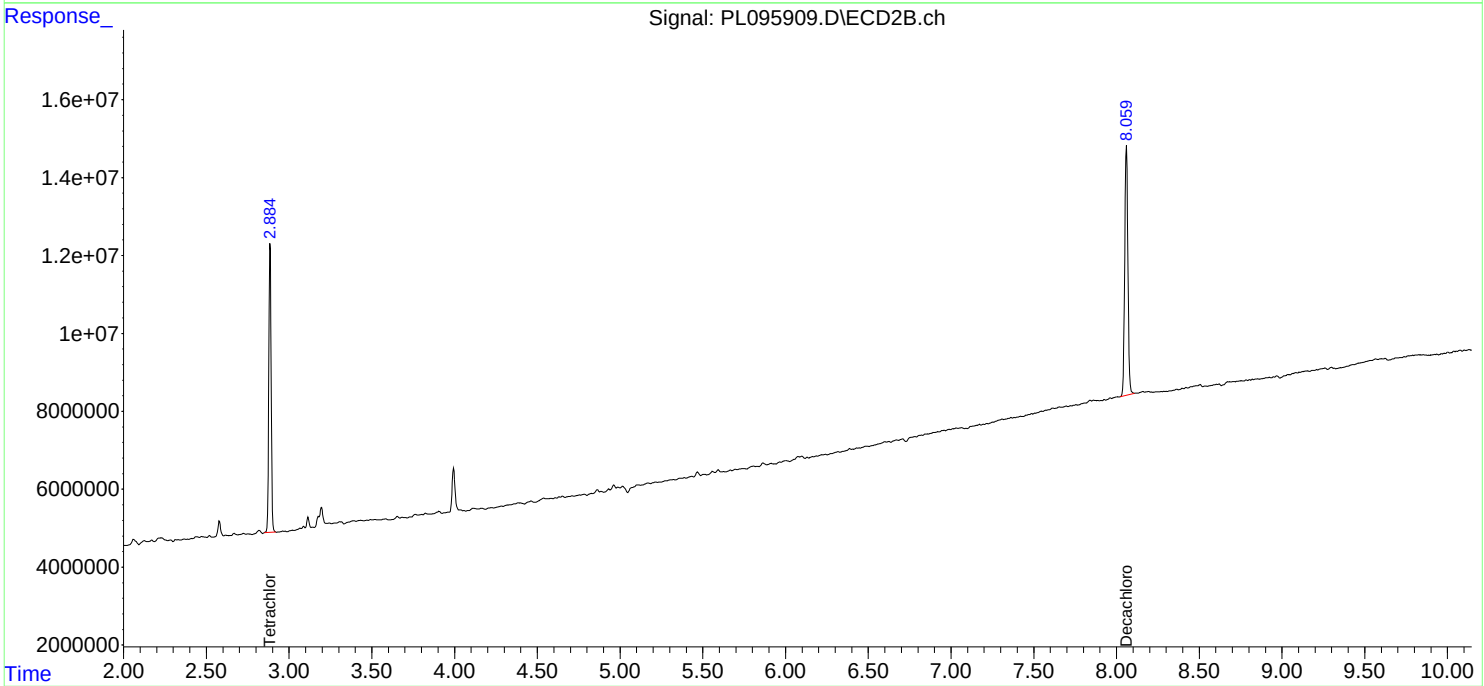
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

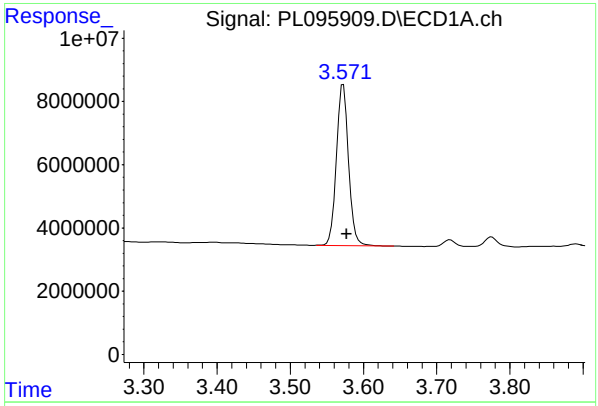
Instrument :
ECD_L
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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



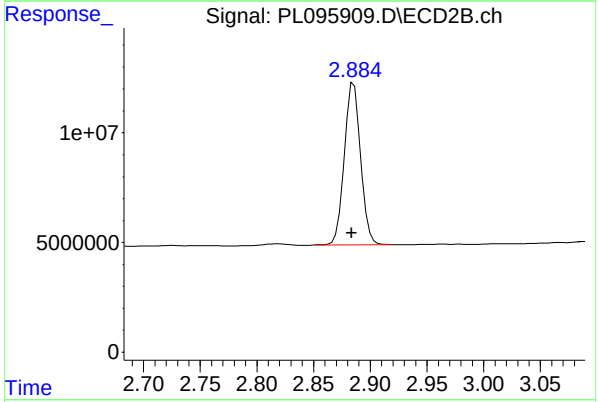




#1 Tetrachloro-m-xylene

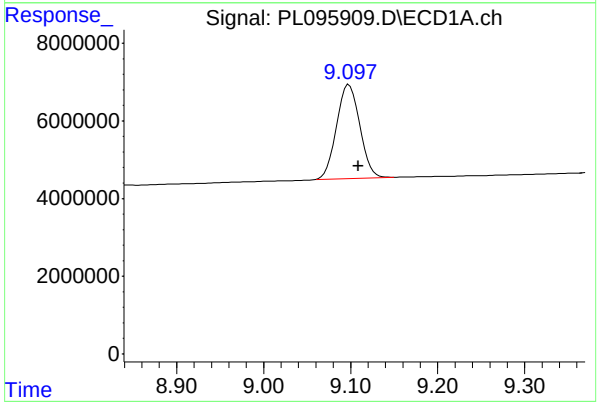
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 58647653
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB02



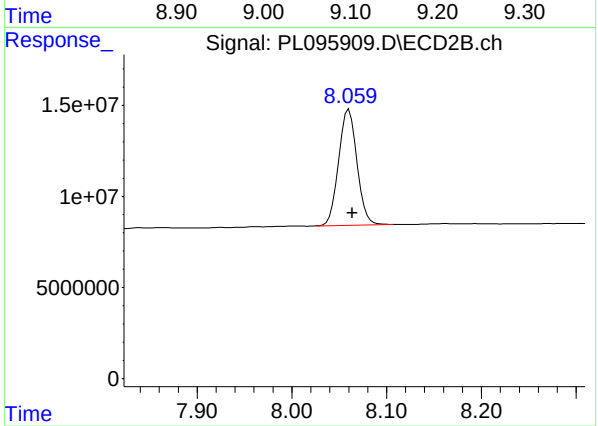
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 73689880
Conc: 18.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 45123175
Conc: 19.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 85632807
Conc: 19.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	58846542	71932684	18.650	18.379
28)	SA Decachlor...	9.097	8.059	43981730	84681385	18.665	19.358
	Target Compounds						
13)	MA Dieldrin	6.375	5.502	2334101	13197729	0.605m	2.490m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

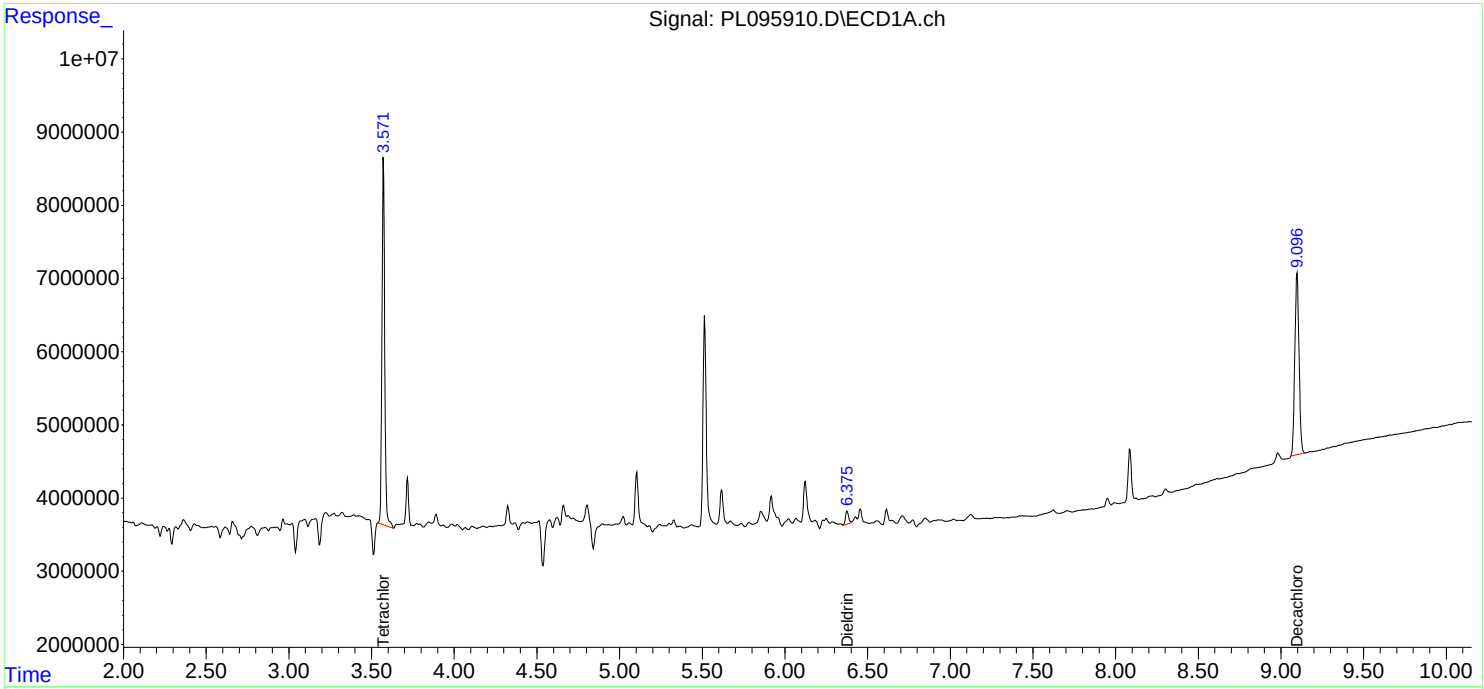
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

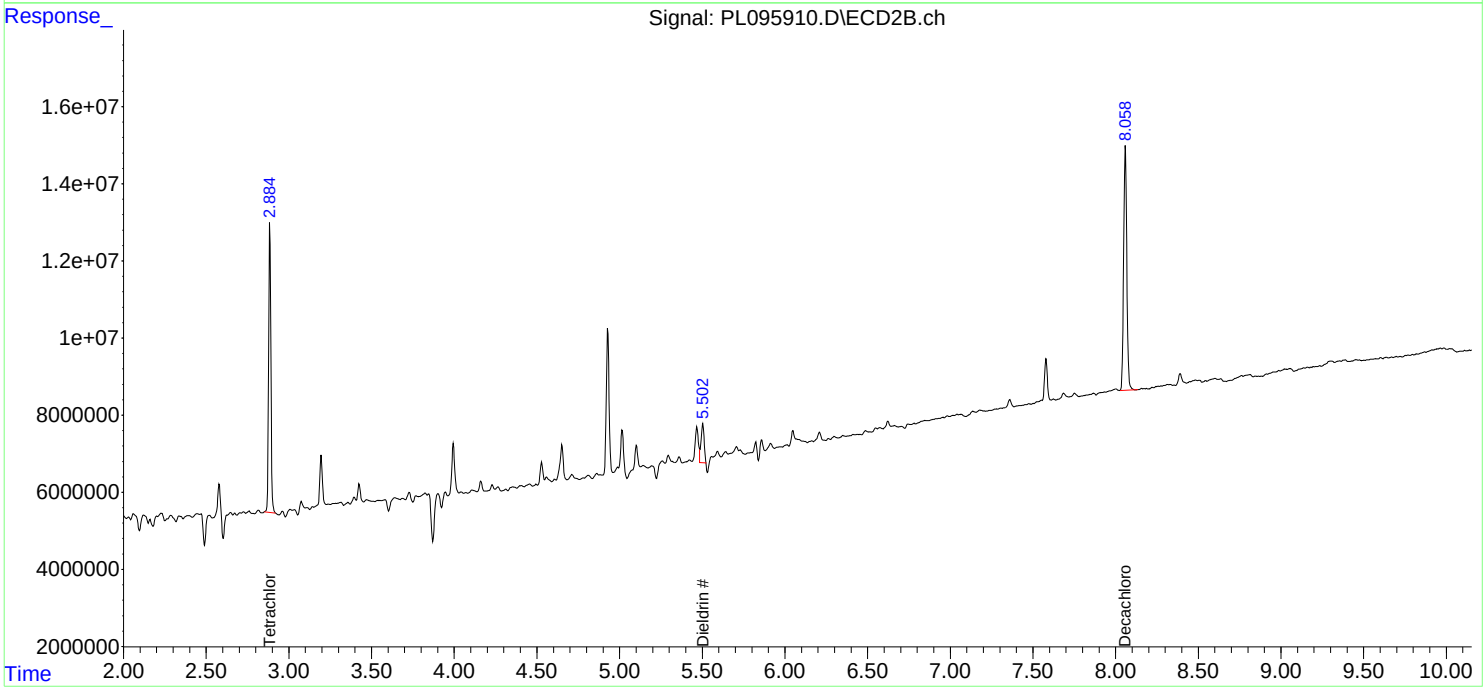
Instrument :
ECD_L
ClientSampleId :
B-202-SB01

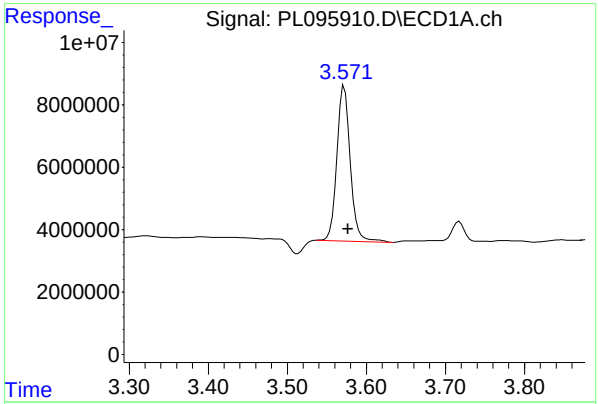
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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







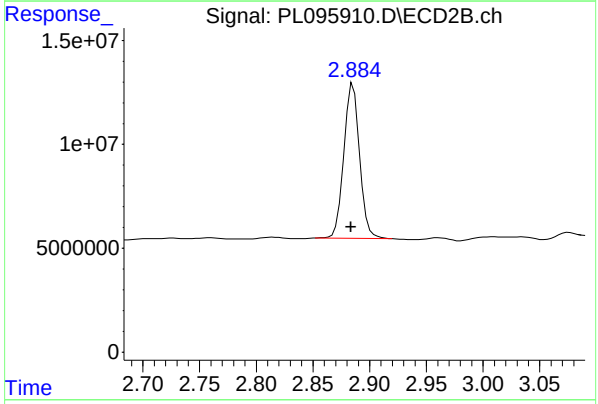
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58846542
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

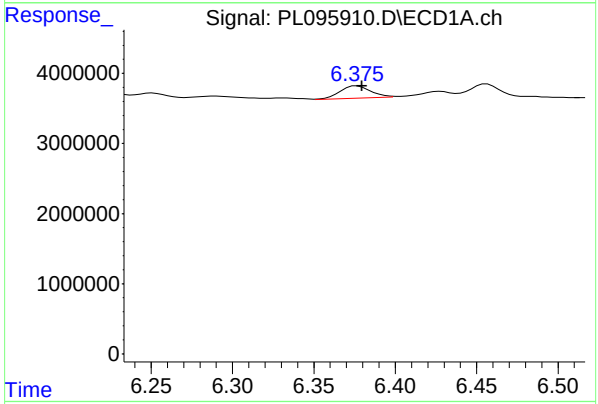
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



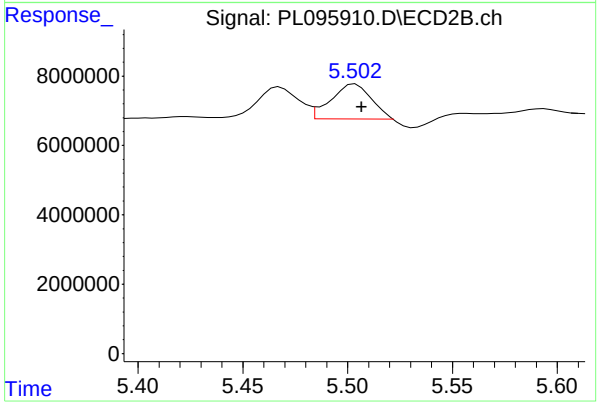
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71932684
Conc: 18.38 ng/ml



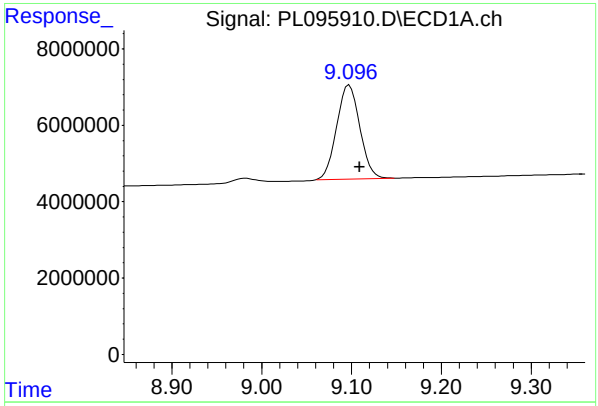
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 2334101
Conc: 0.60 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 13197729
Conc: 2.49 ng/ml m



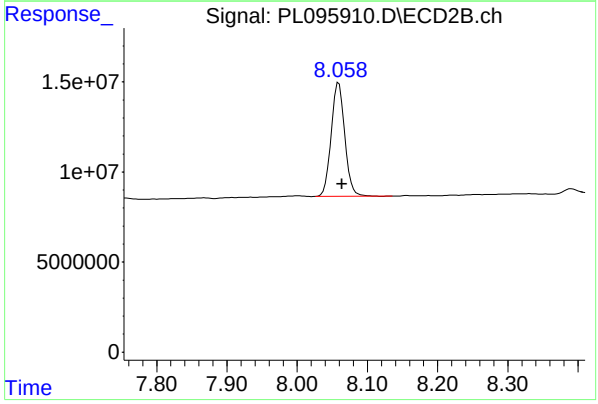
#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 43981730
Conc: 18.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 84681385
Conc: 19.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:10
Operator : AR\AJ
Sample : PB168264BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168264BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	59824314	75028691	18.960	19.170
28)	SA Decachlor...	9.098	8.059	42546526	78198340	18.056	17.876
	Target Compounds						

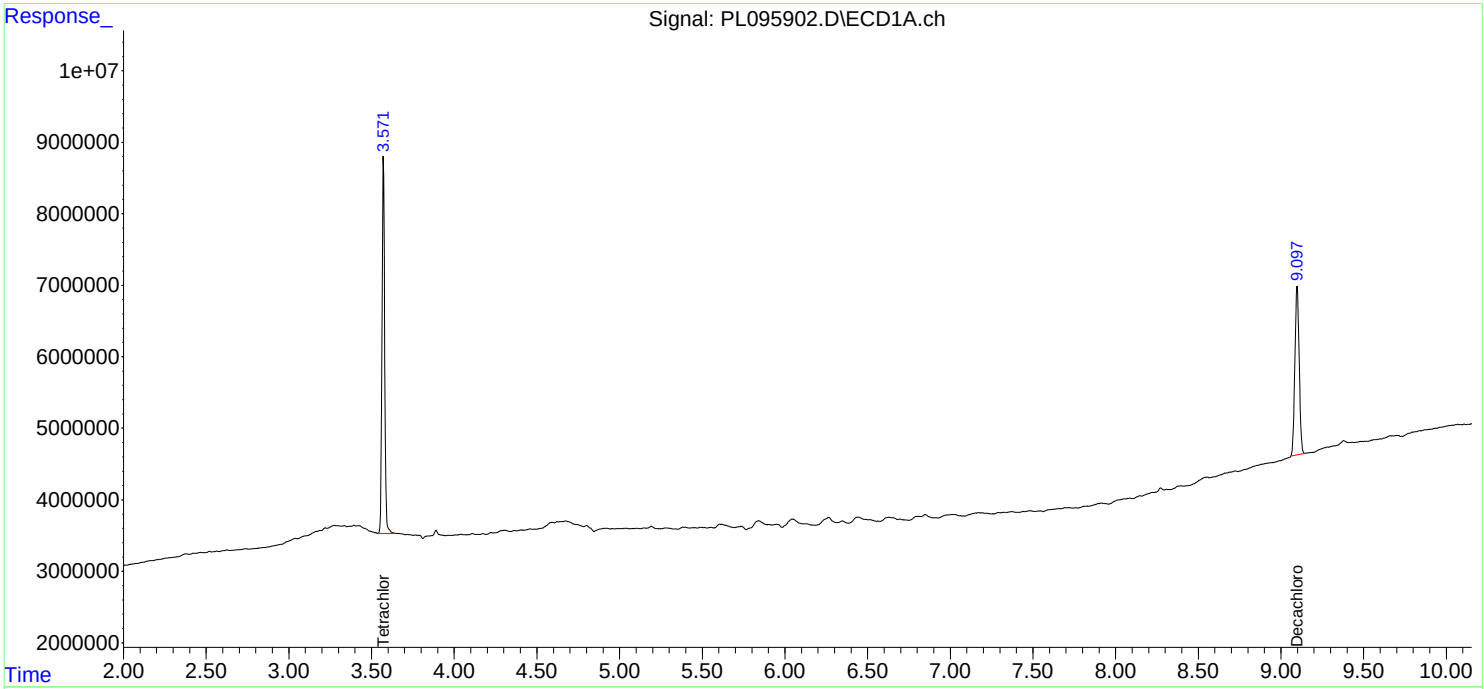
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

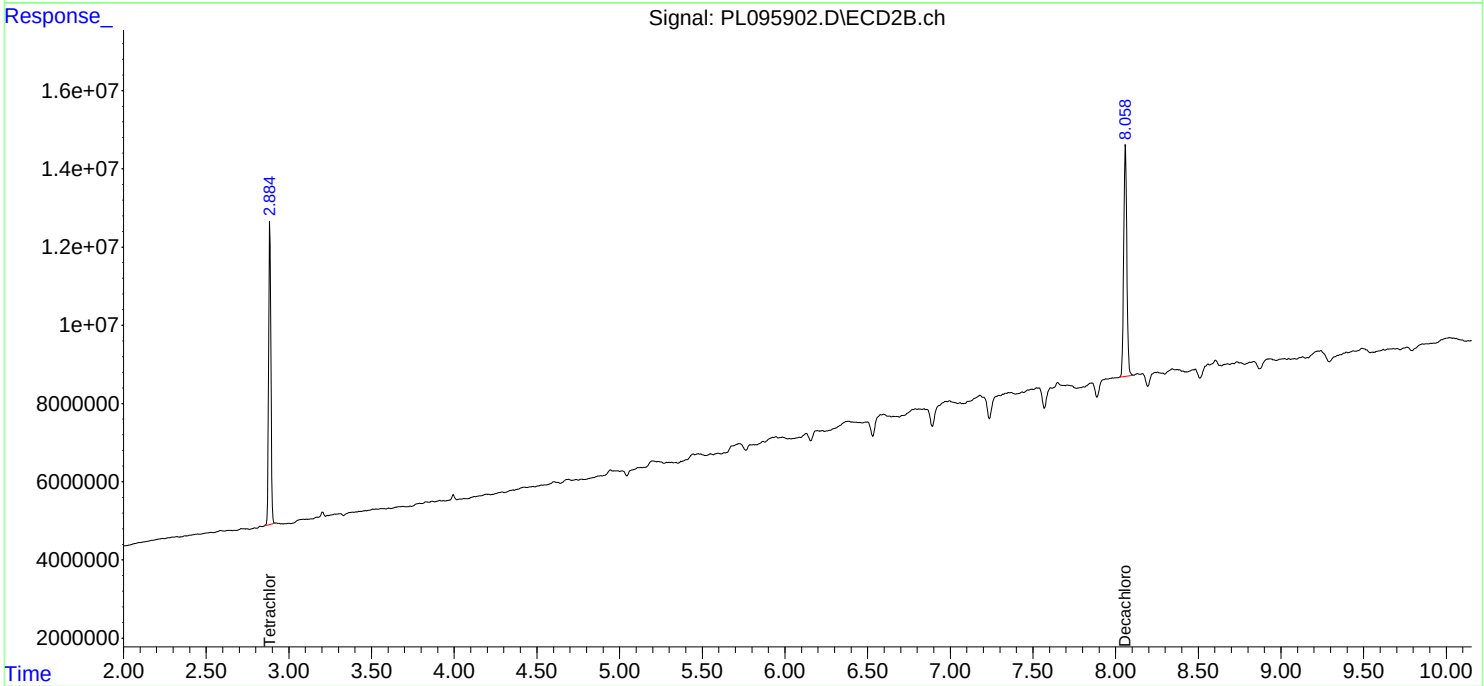
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:10
Operator : AR\AJ
Sample : PB168264BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

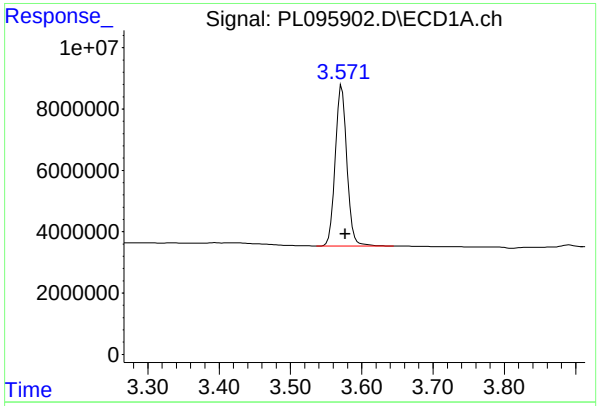
Instrument :
ECD_L
ClientSampleId :
PB168264BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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



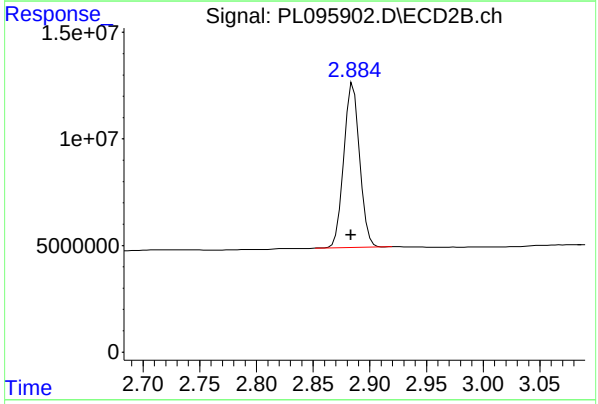




#1 Tetrachloro-m-xylene

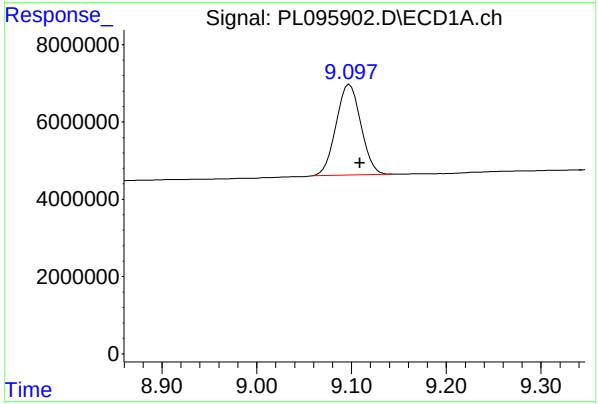
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59824314
Conc: 18.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BL



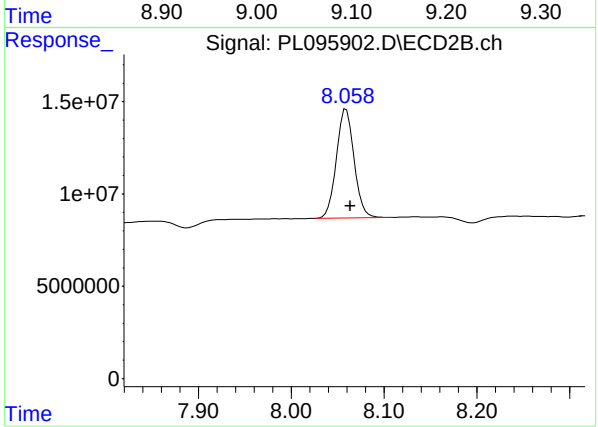
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 75028691
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 42546526
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 78198340
Conc: 17.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : PB168264BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168264BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.577	2.882	69630438	83635216	22.068	21.369
28)	SA Decachlor...	9.106	8.058	51809620	96608301	21.987	22.085
	Target Compounds						
2)	A alpha-BHC	4.029	3.392	273.0E6	326.3E6	56.315	55.700
3)	MA gamma-BHC...	4.361	3.726	249.6E6	308.9E6	55.813	55.147
4)	MA Heptachlor	4.959	4.078	206.2E6	300.6E6	54.472	53.593
5)	MB Aldrin	5.301	4.363	239.4E6	293.9E6	55.958	55.374
6)	B beta-BHC	4.549	4.021	107.0E6	132.0E6	54.280	53.298
7)	B delta-BHC	4.797	4.257	244.1E6	309.3E6	55.054	54.769
8)	B Heptachlo...	5.722	4.865	210.9E6	272.3E6	55.250	55.151
9)	A Endosulfan I	6.105	5.238	199.6E6	265.3E6	54.471	55.668
10)	B gamma-Chl...	5.976	5.118	214.1E6	293.0E6	55.000	55.786
11)	B alpha-Chl...	6.057	5.182	214.2E6	288.2E6	54.243	55.401
12)	B 4,4'-DDE	6.228	5.369	200.4E6	288.3E6	54.647	53.768
13)	MA Dieldrin	6.378	5.503	214.7E6	288.5E6	55.642	54.437
14)	MA Endrin	6.606	5.776	157.7E6	238.8E6	48.874	48.975m
15)	B Endosulfa...	6.818	6.068	177.1E6	261.4E6	51.404	55.010
16)	A 4,4'-DDD	6.738	5.922	165.3E6	253.0E6	56.401	57.689
17)	MA 4,4'-DDT	7.053	6.175	133.2E6	226.7E6	49.246	47.398
18)	B Endrin al...	6.947	6.246	132.7E6	195.0E6	54.897	56.449
19)	B Endosulfa...	7.181	6.470	160.6E6	245.0E6	53.776	54.502
20)	A Methoxychlor	7.526	6.745	62825073	117.4E6	49.262	44.888
21)	B Endrin ke...	7.662	6.975	178.9E6	293.6E6	56.493	56.752
22)	Mirex	8.143	7.169	124.6E6	216.7E6	53.840	53.374

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

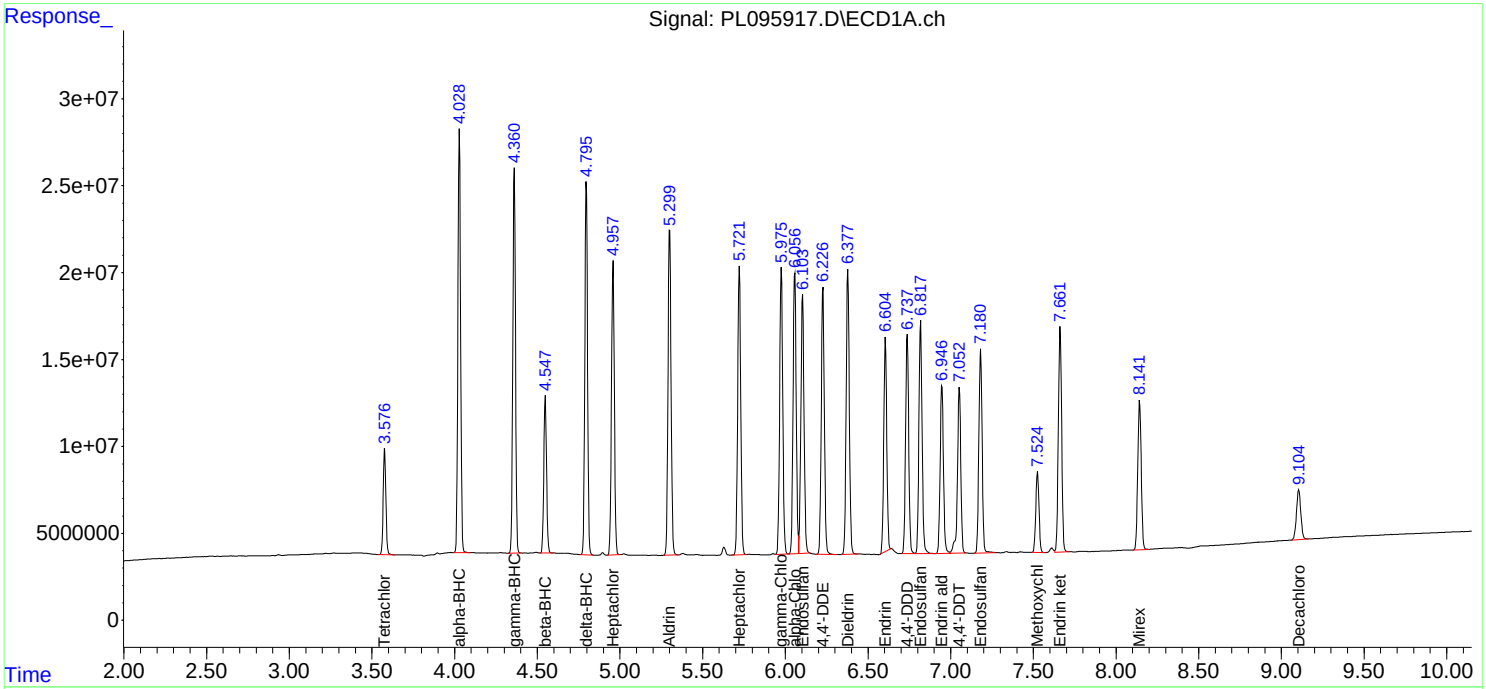
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : PB168264BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

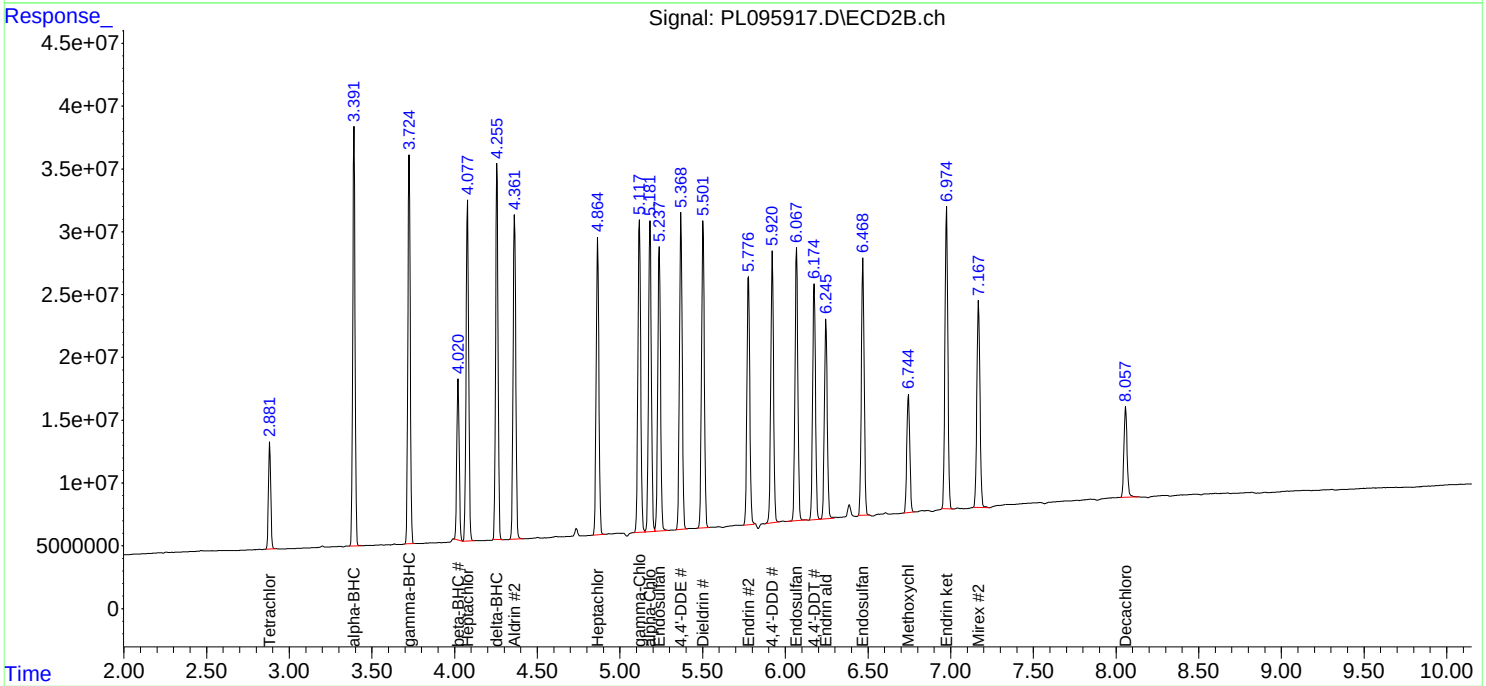
Instrument :
ECD_L
ClientSampleId :
PB168264BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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\PL060325\
Data File : PL095898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:15
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	58509111	73778723	18.543	18.850
28)	SA	Decachlor...	9.099	8.060	41292066	71495810	17.524	16.344
		Target Compounds						
2)	A	alpha-BHC	4.024	3.396	243.9E6	308.6E6	50.303	52.687
3)	MA	gamma-BHC...	4.355	3.729	222.5E6	285.5E6	49.756	50.963
4)	MA	Heptachlor	4.953	4.081	181.4E6	272.6E6	47.929	48.594
5)	MB	Aldrin	5.295	4.366	191.3E6	251.3E6	44.716	47.346
6)	B	beta-BHC	4.543	4.023	96082723	127.2E6	48.739	51.329m
7)	B	delta-BHC	4.791	4.260	221.7E6	286.9E6	50.004	50.796
8)	B	Heptachlo...	5.716	4.868	182.1E6	247.8E6	47.710	50.179
9)	A	Endosulfan I	6.099	5.240	172.1E6	233.7E6	46.967	49.045
10)	B	gamma-Chl...	5.970	5.120	183.6E6	258.7E6	47.162	49.248
11)	B	alpha-Chl...	6.052	5.185	182.5E6	254.1E6	46.213	48.843
12)	B	4,4'-DDE	6.221	5.371	169.6E6	252.1E6	46.235	47.006
13)	MA	Dieldrin	6.373	5.505	183.9E6	252.0E6	47.644	47.549
14)	MA	Endrin	6.600	5.779	144.6E6	217.5E6	44.823	44.602
15)	B	Endosulfa...	6.812	6.070	154.6E6	229.1E6	44.856	48.223
16)	A	4,4'-DDD	6.732	5.923	136.1E6	213.8E6	46.448	48.753
17)	MA	4,4'-DDT	7.047	6.176	124.1E6	207.1E6	45.863	43.298
18)	B	Endrin al...	6.941	6.248	116.5E6	167.1E6	48.203	48.368
19)	B	Endosulfa...	7.176	6.471	138.6E6	207.5E6	46.419	46.163
20)	A	Methoxychlor	7.520	6.747	57735485	108.9E6	45.271	41.623
21)	B	Endrin ke...	7.657	6.977	152.1E6	234.9E6	48.018	45.397
22)		Mirex	8.138	7.170	106.6E6	176.4E6	46.063	43.452

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

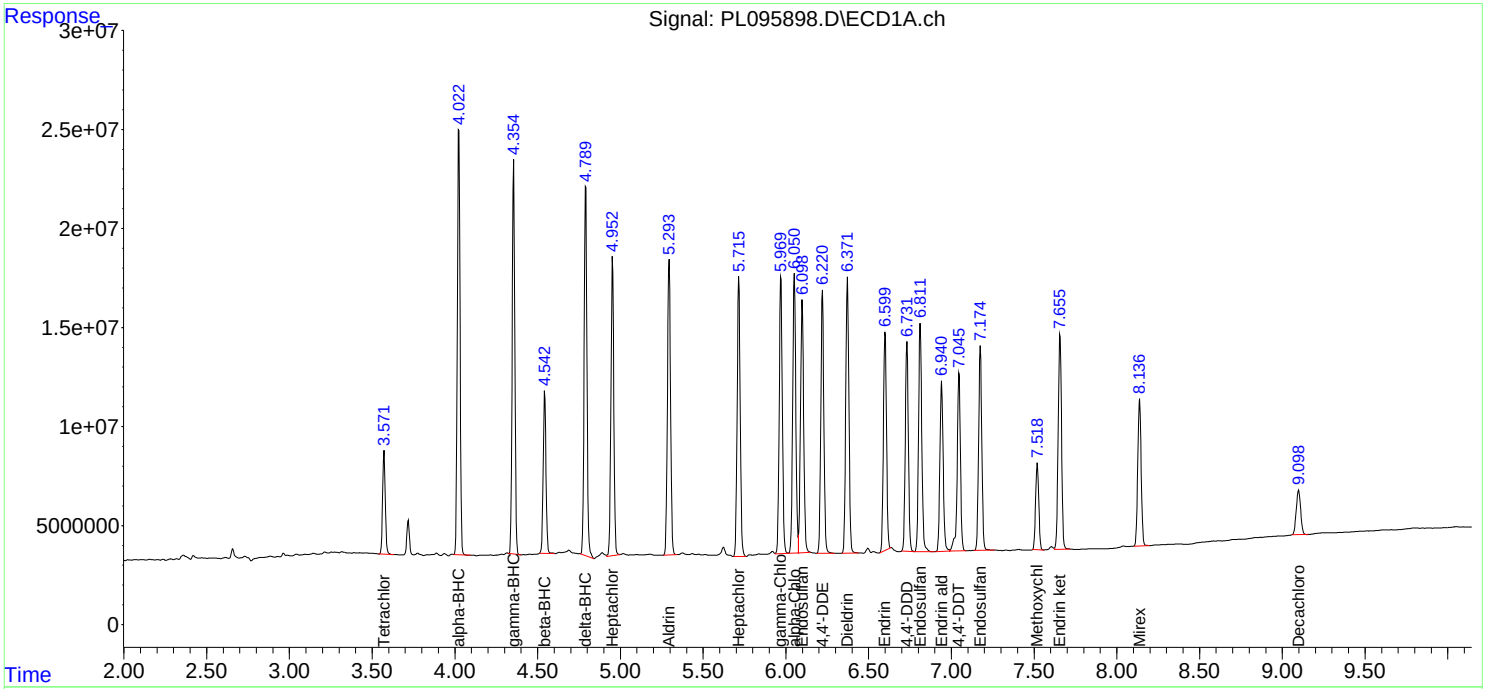
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:15
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

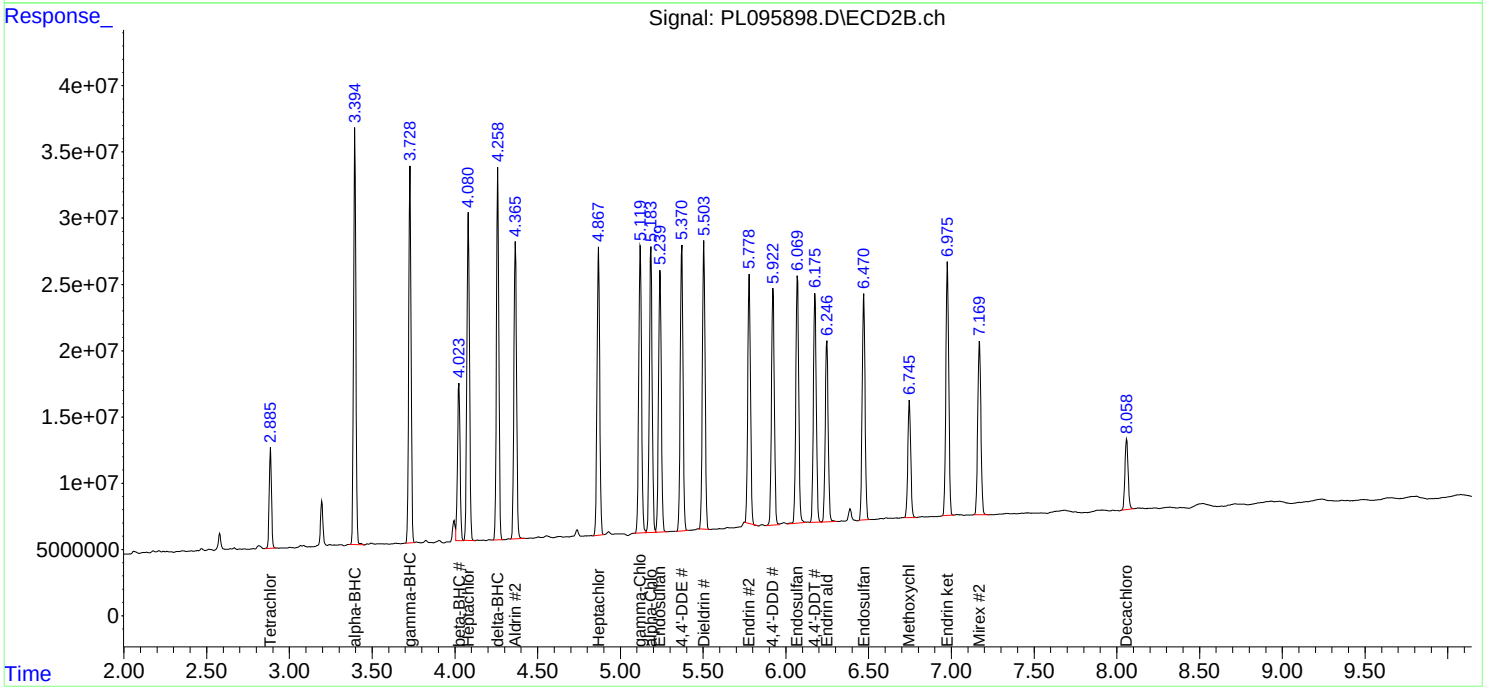
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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 :
OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:29
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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...	3.573	2.885	59042256	74399020	18.712	19.009
28)	SA	Decachlor...	9.099	8.060	41242495	74886259	17.503	17.119
		Target Compounds						
2)	A	alpha-BHC	4.024	3.395	247.3E6	312.1E6	51.009	53.276
3)	MA	gamma-BHC...	4.356	3.729	226.0E6	289.4E6	50.547	51.672
4)	MA	Heptachlor	4.953	4.081	183.0E6	275.7E6	48.342	49.156
5)	MB	Aldrin	5.295	4.366	193.8E6	252.6E6	45.307	47.594
6)	B	beta-BHC	4.543	4.023	97960535	129.6E6	49.692	52.295m
7)	B	delta-BHC	4.791	4.259	222.8E6	289.8E6	50.245	51.324
8)	B	Heptachlo...	5.717	4.868	184.6E6	249.4E6	48.374	50.520
9)	A	Endosulfan I	6.100	5.240	173.4E6	239.0E6	47.321	50.162
10)	B	gamma-Chl...	5.971	5.120	184.0E6	263.7E6	47.285	50.198
11)	B	alpha-Chl...	6.052	5.184	183.5E6	259.1E6	46.482	49.798
12)	B	4,4'-DDE	6.222	5.371	170.9E6	257.6E6	46.589	48.036
13)	MA	Dieldrin	6.373	5.505	185.5E6	256.5E6	48.059	48.394
14)	MA	Endrin	6.600	5.780	147.2E6	220.3E6	45.605	45.189
15)	B	Endosulfa...	6.813	6.069	157.3E6	230.7E6	45.650	48.545m
16)	A	4,4'-DDD	6.732	5.923	137.9E6	216.3E6	47.061	49.318
17)	MA	4,4'-DDT	7.047	6.176	123.8E6	211.3E6	45.769	44.191
18)	B	Endrin al...	6.942	6.248	117.0E6	172.4E6	48.406	49.898
19)	B	Endosulfa...	7.176	6.471	139.0E6	214.4E6	46.539	47.703
20)	A	Methoxychlor	7.520	6.747	58348964	109.5E6	45.752	41.863
21)	B	Endrin ke...	7.657	6.977	152.9E6	242.1E6	48.289	46.794
22)		Mirex	8.138	7.170	107.2E6	178.4E6	46.335	43.924

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

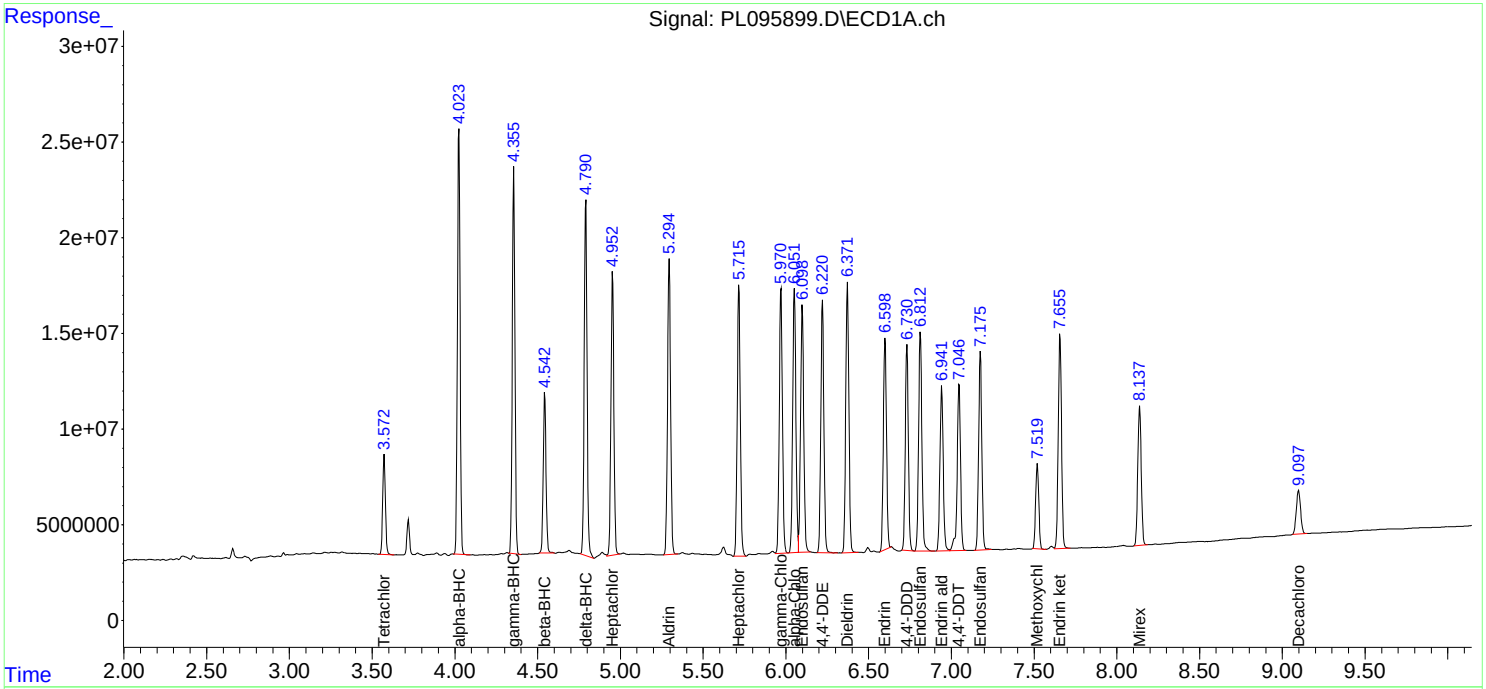
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:29
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

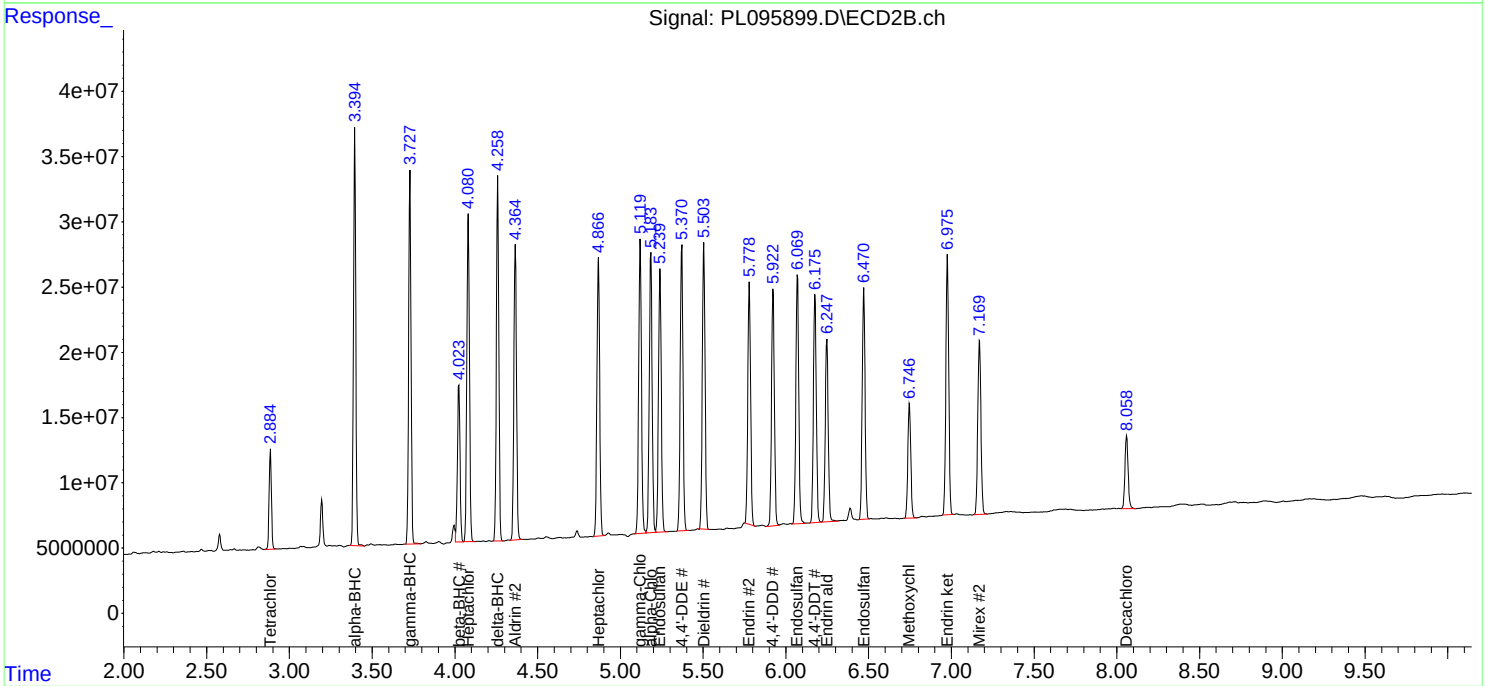
Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





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

Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL052125	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, Fax : 908 789 8922

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MS	PL095898.D	beta-BHC #2	Abdul	6/4/2025 9:57:49 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	beta-BHC #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	Endosulfan II #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin #2	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095915.D	4,4"-DDD	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin aldehyde	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PB168264BS	PL095917.D	Endrin #2	Abdul	6/5/2025 8:34:38 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095928.D	gamma-Chlordane	Abdul	6/5/2025 8:35:01 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095935.D	4,4"-DDE #2	Abdul	6/5/2025 8:35:24 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software

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 # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

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 # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL095752.D	21 May 2025 15:26	AR\AJ	Ok

M : Manual Integration

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

M : Manual Integration

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 # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM		
SubDirectory	PL060425	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095913.D	04 Jun 2025 10:45	AR\AJ	Ok
2	I.BLK	PL095914.D	04 Jun 2025 10:59	AR\AJ	Ok
3	PEM	PL095915.D	04 Jun 2025 11:12	AR\AJ	Ok,M
4	PSTDCCC050	PL095916.D	04 Jun 2025 11:26	AR\AJ	Ok
5	PB168264BS	PL095917.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	I.BLK	PL095918.D	04 Jun 2025 13:08	AR\AJ	Ok
7	PSTDCCC050	PL095919.D	04 Jun 2025 13:22	AR\AJ	Ok
8	PB168289BL	PL095920.D	04 Jun 2025 15:57	AR\AJ	Ok
9	PB168289BS	PL095921.D	04 Jun 2025 16:11	AR\AJ	Ok
10	Q2182-01	PL095922.D	04 Jun 2025 16:24	AR\AJ	Ok,M
11	Q2199-01	PL095923.D	04 Jun 2025 16:38	AR\AJ	Ok,M
12	Q2199-03	PL095924.D	04 Jun 2025 16:52	AR\AJ	Ok,M
13	Q2199-05	PL095925.D	04 Jun 2025 17:05	AR\AJ	Dilution
14	PB168289BS	PL095926.D	04 Jun 2025 17:19	AR\AJ	Not Ok
15	I.BLK	PL095927.D	04 Jun 2025 17:33	AR\AJ	Ok
16	PSTDCCC050	PL095928.D	04 Jun 2025 17:46	AR\AJ	Ok,M
17	Q2194-01	PL095929.D	04 Jun 2025 18:00	AR\AJ	Not Ok
18	Q2194-01MS	PL095930.D	04 Jun 2025 18:14	AR\AJ	Ok,M
19	Q2194-01MSD	PL095931.D	04 Jun 2025 18:27	AR\AJ	Ok,M
20	Q2194-03	PL095932.D	04 Jun 2025 18:41	AR\AJ	Ok,M
21	Q2195-01	PL095933.D	04 Jun 2025 18:55	AR\AJ	Ok,M

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 # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM		
SubDirectory	PL060425	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	PL095934.D	04 Jun 2025 19:22	AR\AJ	Ok
23	PSTDCCC050	PL095935.D	04 Jun 2025 20:44	AR\AJ	Ok,M

M : Manual Integration

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 # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

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 # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHA-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

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 # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM		
SubDirectory	PL060425	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,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	PL095913.D	04 Jun 2025 10:45		AR\AJ	Ok
2	I.BLK	I.BLK	PL095914.D	04 Jun 2025 10:59		AR\AJ	Ok
3	PEM	PEM	PL095915.D	04 Jun 2025 11:12		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095916.D	04 Jun 2025 11:26		AR\AJ	Ok
5	PB168264BS	PB168264BS	PL095917.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	I.BLK	I.BLK	PL095918.D	04 Jun 2025 13:08		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PL095919.D	04 Jun 2025 13:22		AR\AJ	Ok
8	PB168289BL	PB168289BL	PL095920.D	04 Jun 2025 15:57		AR\AJ	Ok
9	PB168289BS	PB168289BS	PL095921.D	04 Jun 2025 16:11		AR\AJ	Ok
10	Q2182-01	OR-03-06022025	PL095922.D	04 Jun 2025 16:24		AR\AJ	Ok,M
11	Q2199-01	ETGI-343	PL095923.D	04 Jun 2025 16:38		AR\AJ	Ok,M
12	Q2199-03	VNJ-231	PL095924.D	04 Jun 2025 16:52		AR\AJ	Ok,M
13	Q2199-05	72-11978	PL095925.D	04 Jun 2025 17:05	need 2X	AR\AJ	Dilution
14	PB168289BS	PB168289BS	PL095926.D	04 Jun 2025 17:19	already run	AR\AJ	Not Ok
15	I.BLK	I.BLK	PL095927.D	04 Jun 2025 17:33		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL095928.D	04 Jun 2025 17:46		AR\AJ	Ok,M
17	Q2194-01	COMP-12	PL095929.D	04 Jun 2025 18:00	Looks like MS	AR\AJ	Not Ok
18	Q2194-01MS	COMP-12MS	PL095930.D	04 Jun 2025 18:14		AR\AJ	Ok,M

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 # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM		
SubDirectory	PL060425	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2194-01MSD	COMP-12MSD	PL095931.D	04 Jun 2025 18:27		AR\AJ	Ok,M
20	Q2194-03	COMP-13	PL095932.D	04 Jun 2025 18:41		AR\AJ	Ok,M
21	Q2195-01	OK-01-060325	PL095933.D	04 Jun 2025 18:55		AR\AJ	Ok,M
22	I.BLK	I.BLK	PL095934.D	04 Jun 2025 19:22		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PL095935.D	04 Jun 2025 20:44		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

SOP ID : M1311-TCLP-16

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 : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : 10 N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	JP /TCLP Room	SJS. RS 1Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168224

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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

Q2177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177 **WorkList ID :** 189871 **Department :** TCLP Extraction **Date :** 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311

913 of 1738

Date/Time 06/02/25 15:00
Raw Sample Received by: WC
Raw Sample Relinquished by: SH

Date/Time 06/02/25 17:30
Raw Sample Received by: SH
Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168264

SOP ID:	M3510C,3580A-Extraction Pesticide-16				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/03/2025
Matrix :	Water			**Extraction Start Time :**	11:34
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	16:10
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	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
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	E3939
Baked Na2SO4	N/A	EP2620
Hexane	N/A	E3938
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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 BTS723.

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
6/3/25	RS (Ext lab)	JR. Post/PCB Lab
16:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168264

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168264BL	PBLK264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB168264BS	PLCS264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q2173-06	OR-400-CF-402B-COMP-23	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2173-06MS	OR-400-CF-402B-COMP-23MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2173-12	OR-400-CF-402B-COMP-24	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2173-18	OR-400-CF-402B-COMP-25	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2177-03	B-187-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2177-05	B-187-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2177-07	B-202-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11

RS
6/3

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Pesticide	8081B		06/03/25	06/03/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2177 **Order ID:** Q2177

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.2 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
PP072579.D	1	06/03/25 09:30	06/03/25 20:15	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.2	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.2	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.2	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.2	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.2	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		30 (32) - 150 (175)	87%	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	62.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072580.D	1	06/03/25 09:30	06/03/25 20:31	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.30	U	6.30	27.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	27.0	ug/kg
11141-16-5	Aroclor-1232	5.90	U	5.90	27.0	ug/kg
53469-21-9	Aroclor-1242	6.40	U	6.40	27.0	ug/kg
12672-29-6	Aroclor-1248	9.40	U	9.40	27.0	ug/kg
11097-69-1	Aroclor-1254	5.10	U	5.10	27.0	ug/kg
37324-23-5	Aroclor-1262	8.00	U	8.00	27.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	27.0	ug/kg
11096-82-5	Aroclor-1260	5.10	U	5.10	27.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		30 (32) - 150 (175)	77%	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072581.D	1	06/03/25 09:30	06/03/25 20:48	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		30 (32) - 150 (144)	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		30 (32) - 150 (175)	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	490 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111445.D	1	06/03/25 09:03	06/03/25 20:41	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.099	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.098	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.096	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.083	U	0.083	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (30) - 150 (173)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		30 (10) - 150 (173)	77%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2177

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-PO111057.D	PIBLK-PO111057.D	Tetrachloro-m-xylene	1	20	16.4	82		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.5	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	15.4	77		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.9	90		70 (60)	130 (140)
I.BLK-PO111437.D	PIBLK-PO111437.D	Tetrachloro-m-xylene	1	20	20.1	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.4	97		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.2	91		70 (60)	130 (140)
Q2177-08	EB05312025	Tetrachloro-m-xylene	1	20	22.8	114		30 (30)	150 (173)
		Decachlorobiphenyl	1	20	15.4	77		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	15.0	75		30 (10)	150 (173)
I.BLK-PO111451.D	PIBLK-PO111451.D	Tetrachloro-m-xylene	1	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.0	95		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.3	92		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.8	89		70 (60)	130 (140)
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.7	84		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.0	85		70 (60)	130 (140)
I.BLK-PP072557.D	PIBLK-PP072557.D	Tetrachloro-m-xylene	1	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.2	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.9	104		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.4	117		70 (60)	130 (140)
PB168252BL	PB168252BL	Tetrachloro-m-xylene	1	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.5	102		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.1	105		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.6	113		30 (32)	150 (175)
I.BLK-PP072572.D	PIBLK-PP072572.D	Tetrachloro-m-xylene	1	20	18.9	95		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.7	99		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.7	114		70 (60)	130 (140)
Q2176-05MS	TP-28MS	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.3	97		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.2	111		30 (32)	150 (175)
Q2176-05MSD	TP-28MSD	Tetrachloro-m-xylene	1	20	18.8	94		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.1	80		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.3	97		30 (32)	150 (175)
Q2177-02	B-187-SB01	Tetrachloro-m-xylene	1	20	18.4	92		30 (32)	150 (144)

( ) = 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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2177-02	B-187-SB01	Decachlorobiphenyl	1	20	14.6	73		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.4	87		30 (32)	150 (175)
Q2177-04	B-187-SB02	Tetrachloro-m-xylene	1	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.4	67		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.4	77		30 (32)	150 (175)
Q2177-06	B-202-SB01	Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.7	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.1	120		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.8	109		30 (32)	150 (175)
I.BLK-PP072587.D	PIBLK-PP072587.D	Tetrachloro-m-xylene	1	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.5	98		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.0	115		70 (60)	130 (140)
PB168257BL	PB168257BL	Tetrachloro-m-xylene	1	20	19.0	95		30 (30)	150 (173)
		Decachlorobiphenyl	1	20	20.9	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.5	103		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	24.1	121		30 (10)	150 (173)
I.BLK-PP072602.D	PIBLK-PP072602.D	Tetrachloro-m-xylene	1	20	18.5	93		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.3	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PP072608.D	PIBLK-PP072608.D	Tetrachloro-m-xylene	1	20	16.9	85		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.9	109		70 (60)	130 (140)
PB168257BS	PB168257BS	Tetrachloro-m-xylene	1	20	19.4	97		30 (30)	150 (173)
		Decachlorobiphenyl	1	20	19.8	99		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	23.9	119		30 (10)	150 (173)
PB168257BSD	PB168257BSD	Tetrachloro-m-xylene	1	20	19.3	96		30 (30)	150 (173)
		Decachlorobiphenyl	1	20	20.8	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	23.5	117		30 (10)	150 (173)
PB168252BS	PB168252BS	Tetrachloro-m-xylene	1	20	19.5	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.5	103		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.5	117		30 (32)	150 (175)
I.BLK-PP072623.D	PIBLK-PP072623.D	Tetrachloro-m-xylene	1	20	17.3	87		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.9	94		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2177

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-PP072623.D	PIBLK-PP072623.D	Tetrachloro-m-xylene	2	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.0	105		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **DataFile :** PP072574.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:	**TP-28MS**											
Q2176-05MS (Column 1)	AR1016	184	0	150	ug/kg	82				40 (55)	140 (146)	
	AR1260	184	0	140	ug/kg	76				40 (54)	140 (119)	
Client Sample ID:	**TP-28MS**											
Q2176-05MS (Column 2)	AR1016	184	0	168	ug/kg	91				40 (55)	140 (146)	
	AR1260	184	0	161	ug/kg	88				40 (54)	140 (119)	

( ) = 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.: Q2177 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **DataFile :** PP072575.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:	**TP-28MSD**											
Q2176-05MSD (Column 1)	AR1016	183.9	0	128	ug/kg	70		16		40 (55)	140 (146)	30 (20)
	AR1260	183.9	0	117	ug/kg	64		17		40 (54)	140 (119)	30 (20)
Client Sample ID:	**TP-28MSD**											
Q2176-05MSD (Column 2)	AR1016	183.9	0	142	ug/kg	77		17		40 (55)	140 (146)	30 (20)
	AR1260	183.9	0	139	ug/kg	76		15		40 (54)	140 (119)	30 (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.: Q2177 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP072609.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168257BS (Column 1)	AR1016	5	4.10	ug/L	82				40 (77)	140 (107)	
	AR1260	5	4.20	ug/L	84				40 (66)	140 (113)	
PB168257BS (Column 2)	AR1016	5	4.60	ug/L	92				40 (77)	140 (107)	
	AR1260	5	4.70	ug/L	94				40 (66)	140 (113)	

( ) = 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.: Q2177 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP072610.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168257BSD (Column 1)	AR1016	5	4.10	ug/L	82	0			40 (77)	140 (107)	20 (20)
	AR1260	5	4.20	ug/L	84	0			40 (66)	140 (113)	20 (20)
PB168257BSD (Column 2)	AR1016	5	4.60	ug/L	92	0			40 (77)	140 (107)	20 (20)
	AR1260	5	4.70	ug/L	94	0			40 (66)	140 (113)	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.: Q2177 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP072614.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168252BS (Column 1)	AR1016	166.6	140	ug/kg	84				40 (71)	140 (120)	
	AR1260	166.6	144	ug/kg	86				40 (65)	140 (130)	
PB168252BS (Column 2)	AR1016	166.6	153	ug/kg	92				40 (71)	140 (120)	
	AR1260	166.6	157	ug/kg	94				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168252BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168252BL Lab File ID: PP072558.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025 Date Analyzed (2): 06/03/2025

Time Analyzed (1): 13:28 Time Analyzed (2): 13:28

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
TP-28MS	Q2176-05MS	PP072574.D	06/03/2025	06/03/2025
TP-28MSD	Q2176-05MSD	PP072575.D	06/03/2025	06/03/2025
B-187-SB01	Q2177-02	PP072579.D	06/03/2025	06/03/2025
B-187-SB02	Q2177-04	PP072580.D	06/03/2025	06/03/2025
B-202-SB01	Q2177-06	PP072581.D	06/03/2025	06/03/2025
PB168252BS	PB168252BS	PP072614.D	06/04/2025	06/04/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168257BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168257BL Lab File ID: PP072590.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/04/2025 Date Analyzed (2): 06/04/2025

Time Analyzed (1): 00:35 Time Analyzed (2): 00:35

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
EB05312025	Q2177-08	PO111445.D	06/03/2025	06/03/2025
PB168257BS	PB168257BS	PP072609.D	06/04/2025	06/04/2025
PB168257BSD	PB168257BSD	PP072610.D	06/04/2025	06/04/2025

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:	PB168252BL	SDG No.:	Q2177
Lab Sample ID:	PB168252BL	Matrix:	SOIL
Analytical Method:	8082A	% 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
PP072558.D	1	06/03/25 09:30	06/03/25 13:28	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		30 (32) - 150 (175)	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	PB168257BL	SDG No.:	Q2177
Lab Sample ID:	PB168257BL	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072590.D	1	06/03/25 09:03	06/04/25 00:35	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (30) - 150 (173)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		30 (10) - 150 (173)	121%	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:	05/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111057.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PO111057.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111057.D	1		05/14/25	PO051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.4		70 (60) - 130 (140)	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		70 (60) - 130 (140)	87%	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PO111437.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PO111437.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111437.D	1		06/03/25	po060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		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

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PO111451.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PO111451.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111451.D	1		06/03/25	po060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		70 (60) - 130 (140)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		70 (60) - 130 (140)	89%	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:	05/19/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/19/25
Client Sample ID:	PIBLK-PP072163.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072163.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072163.D	1		05/19/25	PP051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		70 (60) - 130 (140)	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		70 (60) - 130 (140)	84%	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072557.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072557.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072557.D	1		06/03/25	PP060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	101%	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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072572.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072572.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072572.D	1		06/03/25	pp060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		70 (60) - 130 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		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

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072587.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072587.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072587.D	1		06/03/25	pp060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		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

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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072602.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072602.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072602.D	1		06/04/25	pp060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		70 (60) - 130 (140)	101%	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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072608.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072608.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072608.D	1		06/04/25	PP060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		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

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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072623.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072623.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072623.D	1		06/04/25	PP060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		70 (60) - 130 (140)	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		70 (60) - 130 (140)	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

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:	PB168252BS	SDG No.:	Q2177
Lab Sample ID:	PB168252BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072614.D	1	06/03/25 09:30	06/04/25 11:37	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	153		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	157		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (32) - 150 (175)	117%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	PB168257BS	SDG No.:	Q2177
Lab Sample ID:	PB168257BS	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072609.D	1	06/03/25 09:03	06/04/25 10:16	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (30) - 150 (173)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		30 (10) - 150 (173)	119%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168257BSD	SDG No.:	Q2177
Lab Sample ID:	PB168257BSD	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072610.D	1	06/03/25 09:03	06/04/25 10:32	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		30 (30) - 150 (173)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (10) - 150 (173)	117%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	05/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	TP-28MS	SDG No.:	Q2177
Lab Sample ID:	Q2176-05MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072574.D	1	06/03/25 09:30	06/03/25 18:53	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	168		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	161		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	05/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	TP-28MSD	SDG No.:	Q2177
Lab Sample ID:	Q2176-05MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5 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
PP072575.D	1	06/03/25 09:30	06/03/25 19:10	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	142		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	139		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		30 (32) - 150 (144)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		30 (32) - 150 (175)	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

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.46	6.46	6.46	6.46	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.82	6.82	6.82	6.82	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.08	7.08	7.08	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.32	7.32	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1242-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.23	5.23	5.23	5.22	5.23	5.23	5.13	5.33
Aroclor-1248-4	(4)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
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)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1268-4	(4)	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Aroclor-1268-5	(5)	8.46	8.47	8.47	8.46	8.46	8.46	8.36	8.56

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D

RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-4	(4)	5.00	5.00	4.99	4.99	5.00	5.00	4.90	5.10
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1260-5	(5)	7.29	7.29	7.29	7.29	7.29	7.29	7.19	7.39
Decachlorobiphenyl		8.67	8.67	8.67	8.68	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1242-5	(5)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.77	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.04	5.04	5.04	5.05	5.04	5.04	4.94	5.14
Aroclor-1248-4	(4)	5.21	5.21	5.21	5.22	5.21	5.21	5.11	5.31
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.61	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.67	8.67	8.68	8.69	8.67	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.69	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.57	7.57	7.57	7.57	7.57	7.57	7.47	7.67
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1268-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PO111058.D **CF 750 =** PO111059.D

CF 500 = PO111060.D **CF 250 =** PO111061.D **CF 050 =** PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	205952128	213833112	226414102	241684928	237394280	225055710	7
Aroclor-1016-2	(2)	293931044	310127113	321220528	340419712	328971000	318933879	6
Aroclor-1016-3	(3)	200116672	210641735	220217832	233629012	221015000	217124050	6
Aroclor-1016-4	(4)	160298181	168708089	176290662	187854588	177589060	174148116	6
Aroclor-1016-5	(5)	161898024	175820952	178167232	187226608	176844020	175991367	5
Aroclor-1260-1	(1)	277561674	293756041	305741896	331877740	315901980	304967866	7
Aroclor-1260-2	(2)	349775279	367746601	383860622	411536992	401831460	382950191	7
Aroclor-1260-3	(3)	317018248	333963835	348833732	373392584	369733400	348588360	7
Aroclor-1260-4	(4)	251785051	267674384	282392668	305806136	292149520	279961552	8
Aroclor-1260-5	(5)	680936092	706872008	727490352	760116820	724090440	719901142	4
Decachlorobiphenyl		4789049460	4988917347	5187039280	5515117840	5334237200	5162872225	6
Tetrachloro-m-xylene		5665666390	5873534533	6010307880	6167763840	5698750600	5883204649	4
Aroclor-1242-1	(1)	176697919	185695675	196416184	207079416	190109540	191199747	6
Aroclor-1242-2	(2)	257720398	267748761	279433570	293144628	262025820	272014635	5
Aroclor-1242-3	(3)	175187474	182923969	192610042	201232700	177980140	185986865	6
Aroclor-1242-4	(4)	140203851	146287348	153093646	159943472	139472860	147800235	6
Aroclor-1242-5	(5)	145186142	152022244	159321518	169027516	152152160	155541916	6
Decachlorobiphenyl		4774382260	4985278507	5225823760	5476782920	5013508400	5095155169	5
Tetrachloro-m-xylene		5680960800	5831614707	6040672820	6174416800	5348804000	5815293825	6
Aroclor-1248-1	(1)	138162515	145942143	153069466	163443424	165211980	153165906	8
Aroclor-1248-2	(2)	182760569	190399631	201027290	214399212	214001160	200517572	7
Aroclor-1248-3	(3)	227450486	238283761	250971210	267719672	295599780	256004982	10
Aroclor-1248-4	(4)	324783137	336810133	356284496	381846900	411181480	362181229	10
Aroclor-1248-5	(5)	233936098	243272008	257408728	275769428	299891040	262055460	10
Decachlorobiphenyl		4861959910	5031694707	5278313240	5604075320	5730172600	5301243155	7
Tetrachloro-m-xylene		5864549650	6045437613	6209272300	6477502560	6275643200	6174481065	4
Aroclor-1254-1	(1)	338668376	359337472	379562628	402119132	418187300	379574982	8
Aroclor-1254-2	(2)	291859728	310115756	327944084	347727744	356229960	326775454	8
Aroclor-1254-3	(3)	475332844	499809000	523764968	549245752	582561520	526142817	8
Aroclor-1254-4	(4)	302105681	318736953	335883014	351987900	371678540	336078418	8
Aroclor-1254-5	(5)	429218631	452008725	475302254	500931908	514812140	474454732	7
Decachlorobiphenyl		4923933440	5141137400	5443620080	5700682920	5862774600	5414429688	7
Tetrachloro-m-xylene		5948877150	6190104627	6408412200	6583454240	6338928400	6293955323	4
Aroclor-1268-1	(1)	930869745	936595251	978341018	1015935428	986319920	969612272	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	856384474	860524951	901691384	934576100	909379560	892511294	4
Aroclor-1268-3	(3)	718671507	725558572	764699306	799960100	785246420	758827181	5
Aroclor-1268-4	(4)	311213814	313193287	331181486	347305704	329997080	326578274	5
Aroclor-1268-5	(5)	2117705977	2107339941	2194587578	2235031552	2137458100	2158424630	3
Decachlorobiphenyl		8888535700	9012836760	9503909100	9956674120	9729229000	9418236936	5
Tetrachloro-m-xylene		6171599970	6168104493	6441282720	6673989440	6170217200	6325038765	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025

Calibration Times: 17:19 01:31

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PO111058.D **CF 750 =** PO111059.D

CF 500 = PO111060.D **CF 250 =** PO111061.D **CF 050 =** PO111062.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	175951340	184131151	190391494	201135208	203027340	190927307	6
Aroclor-1016-2	(2)	259304006	268965180	279695444	293662868	283996940	277124888	5
Aroclor-1016-3	(3)	136562816	142759844	148101780	155422472	147528240	146075030	5
Aroclor-1016-4	(4)	108537077	112835540	120886250	129636068	128548860	120088759	8
Aroclor-1016-5	(5)	141286439	151385859	154206636	161907480	163215520	154400387	6
Aroclor-1260-1	(1)	230380518	239225432	248869338	264781264	266186040	249888518	6
Aroclor-1260-2	(2)	272772980	284661173	294194664	310691584	309118120	294287704	5
Aroclor-1260-3	(3)	260160385	271476124	281551496	303268832	317136960	286718759	8
Aroclor-1260-4	(4)	184546577	192670083	200645580	215256196	210698140	200763315	6
Aroclor-1260-5	(5)	441090120	451615468	461646416	479352764	464333260	459607606	3
Decachlorobiphenyl		1699216120	1787921307	1869222220	1982547480	1911821600	1850145745	6
Tetrachloro-m-xylene		5406429520	5548905467	5601909540	5641328400	5058606000	5451435785	4
Aroclor-1242-1	(1)	150759764	157292616	165241112	172974524	159265900	161106783	5
Aroclor-1242-2	(2)	223621907	231686419	240612100	250441092	226668900	234606084	5
Aroclor-1242-3	(3)	118098683	122379071	128101210	133446692	116067680	123618667	6
Aroclor-1242-4	(4)	114724574	119985329	127001834	134027396	122337120	123615251	6
Aroclor-1242-5	(5)	142391198	148226844	155505330	163277824	150532140	151986667	5
Decachlorobiphenyl		1649752350	1732528187	1806674400	1933059040	1771454800	1778693755	6
Tetrachloro-m-xylene		5396035140	5504454880	5603860600	5606837360	4728358600	5367909316	7
Aroclor-1248-1	(1)	116677575	122377953	128716756	138512244	142355880	129728082	8
Aroclor-1248-2	(2)	159784658	166591041	175162942	187618608	190301260	175891702	7
Aroclor-1248-3	(3)	169685896	176680541	185649606	199757956	206297360	187614272	8
Aroclor-1248-4	(4)	198935902	206440528	216987222	226820008	250016460	219840024	9
Aroclor-1248-5	(5)	198293592	205844156	215149564	228236984	244101860	218325231	8
Decachlorobiphenyl		1675757640	1739961147	1894631500	1998157320	2119618200	1885625161	10
Tetrachloro-m-xylene		5392118780	5499156400	5577007680	5634478280	5189850400	5458522308	3
Aroclor-1254-1	(1)	294845056	308276565	323607480	339068536	354395480	324038623	7
Aroclor-1254-2	(2)	254192198	266619067	281454614	297953104	316004460	283244689	9
Aroclor-1254-3	(3)	400479051	415178477	433542960	448248844	459811580	431452182	6
Aroclor-1254-4	(4)	228881544	238106540	250287146	259634416	259809520	247343833	6
Aroclor-1254-5	(5)	318351803	329524227	344594700	358702264	378528780	345940355	7
Decachlorobiphenyl		1730307610	1804634267	1900572880	2018627520	2049052800	1900639015	7
Tetrachloro-m-xylene		5453750800	5591916973	5732062480	5726435600	5385705600	5577974291	3
Aroclor-1268-1	(1)	505658591	508360996	529570342	550274560	556601860	530093270	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	460495321	464888113	483851588	503248308	499197120	482336090	4
Aroclor-1268-3	(3)	328655790	333834055	349506788	366413796	363835440	348449174	5
Aroclor-1268-4	(4)	119697414	122740856	130580600	138639360	124687920	127269230	6
Aroclor-1268-5	(5)	727936615	731233425	757715258	780322444	766884820	752818512	3
Decachlorobiphenyl		3022618140	3077226480	3258756880	3437439920	3301382200	3219484724	5
Tetrachloro-m-xylene		5636439670	5594566640	5754942040	5800136080	5153076200	5587832126	5

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.90	3.80	4.00	87106400
		2	3.98	3.88	4.08	63703800
		3	4.06	3.96	4.16	192327000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153174000
		2	4.55	4.45	4.65	81946400
		3	4.79	4.69	4.89	152927000
		4	4.97	4.87	5.07	82251400
		5	5.01	4.91	5.11	54259200
Aroclor-1262	500	1	6.82	6.72	6.92	486664000
		2	7.33	7.23	7.43	808494000
		3	7.61	7.51	7.71	338264000
		4	7.67	7.57	7.77	590414000
		5	8.17	8.07	8.27	285216000

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_O **Date(s) Analyzed:** 05/14/2025 05/15/2025

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	3.89	3.79	3.99	73843000
		2	3.98	3.88	4.08	54414200
		3	4.05	3.95	4.15	167101000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	130595000
		2	4.78	4.68	4.88	131160000
		3	4.95	4.85	5.05	68071600
		4	5.04	4.94	5.14	61676400
		5	5.21	5.11	5.31	65732600
Aroclor-1262	500	1	6.79	6.69	6.89	340780000
		2	7.29	7.19	7.39	502862000
		3	7.57	7.47	7.67	187635000
		4	7.64	7.54	7.74	330230000
		5	8.13	8.03	8.23	112306000

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.66	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.68	5.67	5.67	5.68	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.73	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.83	5.83	5.84	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Aroclor-1260-2	(2)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1260-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1260-4	(4)	8.09	8.08	8.09	8.09	8.08	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.40	8.40	8.40	8.41	8.40	8.40	8.30	8.50
Decachlorobiphenyl		10.21	10.21	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1232-1	(1)	4.86	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Aroclor-1232-2	(2)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1232-3	(3)	5.68	5.68	5.68	5.68	5.67	5.68	5.58	5.78
Aroclor-1232-4	(4)	5.84	5.84	5.84	5.84	5.83	5.84	5.74	5.94
Aroclor-1232-5	(5)	5.93	5.93	5.93	5.93	5.92	5.93	5.83	6.03
Decachlorobiphenyl		10.21	10.22	10.21	10.22	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-1	(1)	5.66	5.66	5.66	5.65	5.65	5.66	5.56	5.76
Aroclor-1242-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.51	4.50	4.50	4.50	4.40	4.60
Aroclor-1248-1	(1)	5.66	5.66	5.66	5.66	5.65	5.66	5.56	5.76
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.21	10.22	10.22	10.21	10.22	10.12	10.32
Tetrachloro-m-xylene		4.51	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1254-3	(3)	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1	(1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2	(2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3	(3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4	(4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5	(5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.90	4.89	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1232-1	(1)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Aroclor-1232-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1232-3	(3)	5.07	5.08	5.08	5.07	5.08	5.08	4.98	5.18
Aroclor-1232-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1232-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.69	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651	9
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670	7
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947	8
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989	7
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187	5
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775	6
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717	5
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804	5
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611	5
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218	4
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313	4
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496	5
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453	4
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186	6
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109	6
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049	6
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544	12
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190	5
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080	5
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339	10
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845	10
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896	6
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026	5
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815	6
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428	6
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230	8
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468	6
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069	4
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109	6
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078	5
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714	5
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604	6
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403	5
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525	9
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350	7
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491	7
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327	8
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423	9
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720	7
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182	15
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357	7
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944	8
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004	6
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460	8
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323	2
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545	9
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700	8
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097	8
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157	11
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427	15
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722	6
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851	5
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405	8
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228	8
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533	10
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798	11
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663	9
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480	7
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923	7
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615	12
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330	12
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071	11
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844	11
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457	10
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903	6
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007	6
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263	9

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 16:42 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 16:42 **Initial Calibration Time(s):** 17:19 01:31

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)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111433.D **Time Analyzed:** 16:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.768	4.673	4.873	552.970	500.000	10.6
Aroclor-1016-2	4.787	4.692	4.892	530.380	500.000	6.1
Aroclor-1016-3	4.844	4.749	4.949	530.020	500.000	6.0
Aroclor-1016-4	4.964	4.869	5.069	577.700	500.000	15.5
Aroclor-1016-5	5.221	5.126	5.326	582.000	500.000	16.4
Aroclor-1260-1	6.260	6.166	6.366	551.700	500.000	10.3
Aroclor-1260-2	6.450	6.355	6.555	560.720	500.000	12.1
Aroclor-1260-3	6.817	6.722	6.922	538.560	500.000	7.7
Aroclor-1260-4	7.076	6.983	7.183	507.550	500.000	1.5
Aroclor-1260-5	7.319	7.225	7.425	507.550	500.000	1.5
Decachlorobiphenyl	8.717	8.624	8.824	46.200	50.000	-7.6
Tetrachloro-m-xylene	3.680	3.582	3.782	52.150	50.000	4.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111433.D **Time Analyzed:** 16:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.754	4.658	4.858	489.210	500.000	-2.2
Aroclor-1016-2	4.773	4.677	4.877	498.300	500.000	-0.3
Aroclor-1016-3	4.948	4.852	5.052	493.440	500.000	-1.3
Aroclor-1016-4	4.990	4.894	5.094	474.950	500.000	-5.0
Aroclor-1016-5	5.203	5.107	5.307	496.560	500.000	-0.7
Aroclor-1260-1	6.233	6.138	6.338	477.340	500.000	-4.5
Aroclor-1260-2	6.420	6.326	6.526	472.940	500.000	-5.4
Aroclor-1260-3	6.573	6.479	6.679	441.750	500.000	-11.7
Aroclor-1260-4	7.044	6.949	7.149	457.770	500.000	-8.4
Aroclor-1260-5	7.285	7.191	7.391	448.540	500.000	-10.3
Decachlorobiphenyl	8.666	8.574	8.774	44.910	50.000	-10.2
Tetrachloro-m-xylene	3.676	3.579	3.779	51.120	50.000	2.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 22:13 **Initial Calibration Time(s):** 17:19 01:31

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.01
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/14/2025 05/15/2025

Continuing Calib Time: 22:13 **Initial Calibration Time(s):** 17:19 01:31

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111447.D **Time Analyzed:** 22:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.767	4.673	4.873	506.430	500.000	1.3
Aroclor-1016-2	4.786	4.692	4.892	519.830	500.000	4.0
Aroclor-1016-3	4.843	4.749	4.949	548.120	500.000	9.6
Aroclor-1016-4	4.963	4.869	5.069	582.810	500.000	16.6
Aroclor-1016-5	5.220	5.126	5.326	594.000	500.000	18.8
Aroclor-1260-1	6.260	6.166	6.366	533.080	500.000	6.6
Aroclor-1260-2	6.449	6.355	6.555	563.270	500.000	12.7
Aroclor-1260-3	6.815	6.722	6.922	540.800	500.000	8.2
Aroclor-1260-4	7.075	6.983	7.183	513.040	500.000	2.6
Aroclor-1260-5	7.318	7.225	7.425	513.860	500.000	2.8
Decachlorobiphenyl	8.715	8.624	8.824	46.220	50.000	-7.6
Tetrachloro-m-xylene	3.680	3.582	3.782	51.410	50.000	2.8

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/14/2025 05/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111447.D **Time Analyzed:** 22:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.754	4.658	4.858	490.760	500.000	-1.8
Aroclor-1016-2	4.773	4.677	4.877	497.040	500.000	-0.6
Aroclor-1016-3	4.948	4.852	5.052	489.960	500.000	-2.0
Aroclor-1016-4	4.990	4.894	5.094	468.400	500.000	-6.3
Aroclor-1016-5	5.202	5.107	5.307	525.890	500.000	5.2
Aroclor-1260-1	6.232	6.138	6.338	477.990	500.000	-4.4
Aroclor-1260-2	6.420	6.326	6.526	472.480	500.000	-5.5
Aroclor-1260-3	6.572	6.479	6.679	441.840	500.000	-11.6
Aroclor-1260-4	7.043	6.949	7.149	451.090	500.000	-9.8
Aroclor-1260-5	7.284	7.191	7.391	436.650	500.000	-12.7
Decachlorobiphenyl	8.665	8.574	8.774	44.120	50.000	-11.8
Tetrachloro-m-xylene	3.676	3.579	3.779	51.100	50.000	2.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 **Initial Calibration Time(s):** 09:42 18:25

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)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.01
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072553.D **Time Analyzed:** 10:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.647	5.552	5.752	428.340	500.000	-14.3
Aroclor-1016-2	5.669	5.574	5.774	464.800	500.000	-7.0
Aroclor-1016-3	5.731	5.636	5.836	458.790	500.000	-8.2
Aroclor-1016-4	5.829	5.734	5.934	479.670	500.000	-4.1
Aroclor-1016-5	6.121	6.027	6.227	471.030	500.000	-5.8
Aroclor-1260-1	7.239	7.147	7.347	488.880	500.000	-2.2
Aroclor-1260-2	7.492	7.401	7.601	466.630	500.000	-6.7
Aroclor-1260-3	7.850	7.760	7.960	483.300	500.000	-3.3
Aroclor-1260-4	8.074	7.985	8.185	483.820	500.000	-3.2
Aroclor-1260-5	8.393	8.303	8.503	496.840	500.000	-0.6
Decachlorobiphenyl	10.195	10.113	10.313	50.460	50.000	0.9
Tetrachloro-m-xylene	4.495	4.396	4.596	48.810	50.000	-2.4

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072553.D **Time Analyzed:** 10:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	488.160	500.000	-2.4
Aroclor-1016-2	4.892	4.795	4.995	494.600	500.000	-1.1
Aroclor-1016-3	5.069	4.973	5.173	501.810	500.000	0.4
Aroclor-1016-4	5.111	5.015	5.215	504.360	500.000	0.9
Aroclor-1016-5	5.325	5.229	5.429	546.340	500.000	9.3
Aroclor-1260-1	6.357	6.264	6.464	520.360	500.000	4.1
Aroclor-1260-2	6.545	6.453	6.653	487.870	500.000	-2.4
Aroclor-1260-3	6.697	6.606	6.806	509.120	500.000	1.8
Aroclor-1260-4	7.168	7.077	7.277	511.170	500.000	2.2
Aroclor-1260-5	7.410	7.319	7.519	513.820	500.000	2.8
Decachlorobiphenyl	8.808	8.723	8.923	55.840	50.000	11.7
Tetrachloro-m-xylene	3.793	3.691	3.891	50.620	50.000	1.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072568.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.552	5.752	411.650	500.000	-17.7
Aroclor-1016-2	5.673	5.574	5.774	442.770	500.000	-11.4
Aroclor-1016-3	5.735	5.636	5.836	452.700	500.000	-9.5
Aroclor-1016-4	5.833	5.734	5.934	463.680	500.000	-7.3
Aroclor-1016-5	6.125	6.027	6.227	443.990	500.000	-11.2
Aroclor-1260-1	7.243	7.147	7.347	452.460	500.000	-9.5
Aroclor-1260-2	7.496	7.401	7.601	432.800	500.000	-13.4
Aroclor-1260-3	7.854	7.760	7.960	445.150	500.000	-11.0
Aroclor-1260-4	8.079	7.985	8.185	435.990	500.000	-12.8
Aroclor-1260-5	8.397	8.303	8.503	461.230	500.000	-7.8
Decachlorobiphenyl	10.199	10.113	10.313	47.320	50.000	-5.4
Tetrachloro-m-xylene	4.500	4.396	4.596	46.500	50.000	-7.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072568.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.877	4.777	4.977	486.360	500.000	-2.7
Aroclor-1016-2	4.894	4.795	4.995	495.400	500.000	-0.9
Aroclor-1016-3	5.071	4.973	5.173	493.020	500.000	-1.4
Aroclor-1016-4	5.113	5.015	5.215	489.380	500.000	-2.1
Aroclor-1016-5	5.327	5.229	5.429	537.380	500.000	7.5
Aroclor-1260-1	6.358	6.264	6.464	503.150	500.000	0.6
Aroclor-1260-2	6.547	6.453	6.653	478.760	500.000	-4.2
Aroclor-1260-3	6.699	6.606	6.806	492.400	500.000	-1.5
Aroclor-1260-4	7.169	7.077	7.277	481.460	500.000	-3.7
Aroclor-1260-5	7.412	7.319	7.519	488.860	500.000	-2.2
Decachlorobiphenyl	8.810	8.723	8.923	53.130	50.000	6.3
Tetrachloro-m-xylene	3.795	3.691	3.891	50.510	50.000	1.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072583.D **Time Analyzed:** 22:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	414.970	500.000	-17.0
Aroclor-1016-2	5.672	5.574	5.774	445.260	500.000	-10.9
Aroclor-1016-3	5.734	5.636	5.836	446.030	500.000	-10.8
Aroclor-1016-4	5.832	5.734	5.934	459.390	500.000	-8.1
Aroclor-1016-5	6.124	6.027	6.227	450.950	500.000	-9.8
Aroclor-1260-1	7.242	7.147	7.347	467.980	500.000	-6.4
Aroclor-1260-2	7.495	7.401	7.601	442.440	500.000	-11.5
Aroclor-1260-3	7.853	7.760	7.960	445.300	500.000	-10.9
Aroclor-1260-4	8.076	7.985	8.185	438.500	500.000	-12.3
Aroclor-1260-5	8.395	8.303	8.503	458.750	500.000	-8.3
Decachlorobiphenyl	10.196	10.113	10.313	47.150	50.000	-5.7
Tetrachloro-m-xylene	4.499	4.396	4.596	46.390	50.000	-7.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/03/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072583.D **Time Analyzed:** 22:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	491.730	500.000	-1.7
Aroclor-1016-2	4.892	4.795	4.995	501.620	500.000	0.3
Aroclor-1016-3	5.069	4.973	5.173	504.520	500.000	0.9
Aroclor-1016-4	5.111	5.015	5.215	495.960	500.000	-0.8
Aroclor-1016-5	5.325	5.229	5.429	570.870	500.000	14.2
Aroclor-1260-1	6.356	6.264	6.464	507.750	500.000	1.6
Aroclor-1260-2	6.545	6.453	6.653	474.610	500.000	-5.1
Aroclor-1260-3	6.697	6.606	6.806	489.600	500.000	-2.1
Aroclor-1260-4	7.167	7.077	7.277	507.640	500.000	1.5
Aroclor-1260-5	7.409	7.319	7.519	505.520	500.000	1.1
Decachlorobiphenyl	8.807	8.723	8.923	51.690	50.000	3.4
Tetrachloro-m-xylene	3.794	3.691	3.891	48.730	50.000	-2.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 03:51 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 03:51 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072598.D **Time Analyzed:** 03:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.552	5.752	412.490	500.000	-17.5
Aroclor-1016-2	5.673	5.574	5.774	443.380	500.000	-11.3
Aroclor-1016-3	5.735	5.636	5.836	442.870	500.000	-11.4
Aroclor-1016-4	5.832	5.734	5.934	457.390	500.000	-8.5
Aroclor-1016-5	6.124	6.027	6.227	458.290	500.000	-8.3
Aroclor-1260-1	7.241	7.147	7.347	486.770	500.000	-2.6
Aroclor-1260-2	7.495	7.401	7.601	454.090	500.000	-9.2
Aroclor-1260-3	7.853	7.760	7.960	452.580	500.000	-9.5
Aroclor-1260-4	8.077	7.985	8.185	450.360	500.000	-9.9
Aroclor-1260-5	8.395	8.303	8.503	469.550	500.000	-6.1
Decachlorobiphenyl	10.197	10.113	10.313	48.890	50.000	-2.2
Tetrachloro-m-xylene	4.499	4.396	4.596	46.450	50.000	-7.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072598.D **Time Analyzed:** 03:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.875	4.777	4.977	489.340	500.000	-2.1
Aroclor-1016-2	4.893	4.795	4.995	496.050	500.000	-0.8
Aroclor-1016-3	5.069	4.973	5.173	496.260	500.000	-0.7
Aroclor-1016-4	5.112	5.015	5.215	481.770	500.000	-3.6
Aroclor-1016-5	5.325	5.229	5.429	585.340	500.000	17.1
Aroclor-1260-1	6.357	6.264	6.464	526.020	500.000	5.2
Aroclor-1260-2	6.546	6.453	6.653	483.260	500.000	-3.3
Aroclor-1260-3	6.698	6.606	6.806	502.650	500.000	0.5
Aroclor-1260-4	7.168	7.077	7.277	519.590	500.000	3.9
Aroclor-1260-5	7.410	7.319	7.519	517.000	500.000	3.4
Decachlorobiphenyl	8.808	8.723	8.923	53.670	50.000	7.3
Tetrachloro-m-xylene	3.794	3.691	3.891	49.930	50.000	-0.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.19	10.21	10.11	10.31	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072604.D **Time Analyzed:** 08:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.648	5.552	5.752	415.340	500.000	-16.9
Aroclor-1016-2	5.669	5.574	5.774	441.250	500.000	-11.8
Aroclor-1016-3	5.732	5.636	5.836	441.300	500.000	-11.7
Aroclor-1016-4	5.828	5.734	5.934	456.060	500.000	-8.8
Aroclor-1016-5	6.120	6.027	6.227	444.840	500.000	-11.0
Aroclor-1260-1	7.239	7.147	7.347	437.310	500.000	-12.5
Aroclor-1260-2	7.492	7.401	7.601	440.050	500.000	-12.0
Aroclor-1260-3	7.850	7.760	7.960	453.880	500.000	-9.2
Aroclor-1260-4	8.074	7.985	8.185	455.700	500.000	-8.9
Aroclor-1260-5	8.393	8.303	8.503	475.780	500.000	-4.8
Decachlorobiphenyl	10.193	10.113	10.313	48.420	50.000	-3.2
Tetrachloro-m-xylene	4.496	4.396	4.596	46.020	50.000	-8.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072604.D **Time Analyzed:** 08:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	467.590	500.000	-6.5
Aroclor-1016-2	4.893	4.795	4.995	476.230	500.000	-4.8
Aroclor-1016-3	5.069	4.973	5.173	481.410	500.000	-3.7
Aroclor-1016-4	5.111	5.015	5.215	490.810	500.000	-1.8
Aroclor-1016-5	5.324	5.229	5.429	482.150	500.000	-3.6
Aroclor-1260-1	6.356	6.264	6.464	503.880	500.000	0.8
Aroclor-1260-2	6.544	6.453	6.653	481.760	500.000	-3.6
Aroclor-1260-3	6.696	6.606	6.806	518.660	500.000	3.7
Aroclor-1260-4	7.167	7.077	7.277	515.270	500.000	3.1
Aroclor-1260-5	7.409	7.319	7.519	519.290	500.000	3.9
Decachlorobiphenyl	8.807	8.723	8.923	53.590	50.000	7.2
Tetrachloro-m-xylene	3.794	3.691	3.891	48.580	50.000	-2.8

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 **Initial Calibration Time(s):** 09:42 18:25

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 **Initial Calibration Time(s):** 09:42 18:25

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)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072619.D **Time Analyzed:** 14:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.653	5.552	5.752	408.380	500.000	-18.3
Aroclor-1016-2	5.674	5.574	5.774	446.380	500.000	-10.7
Aroclor-1016-3	5.736	5.636	5.836	438.840	500.000	-12.2
Aroclor-1016-4	5.834	5.734	5.934	447.960	500.000	-10.4
Aroclor-1016-5	6.126	6.027	6.227	453.310	500.000	-9.3
Aroclor-1260-1	7.243	7.147	7.347	454.670	500.000	-9.1
Aroclor-1260-2	7.497	7.401	7.601	456.280	500.000	-8.7
Aroclor-1260-3	7.857	7.760	7.960	575.660	500.000	15.1
Aroclor-1260-4	8.078	7.985	8.185	472.200	500.000	-5.6
Aroclor-1260-5	8.397	8.303	8.503	486.080	500.000	-2.8
Decachlorobiphenyl	10.199	10.113	10.313	50.400	50.000	0.8
Tetrachloro-m-xylene	4.501	4.396	4.596	46.060	50.000	-7.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/04/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072619.D **Time Analyzed:** 14:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	478.490	500.000	-4.3
Aroclor-1016-2	4.896	4.795	4.995	490.280	500.000	-1.9
Aroclor-1016-3	5.072	4.973	5.173	492.560	500.000	-1.5
Aroclor-1016-4	5.114	5.015	5.215	499.290	500.000	-0.1
Aroclor-1016-5	5.328	5.229	5.429	516.590	500.000	3.3
Aroclor-1260-1	6.359	6.264	6.464	500.890	500.000	0.2
Aroclor-1260-2	6.548	6.453	6.653	478.230	500.000	-4.4
Aroclor-1260-3	6.700	6.606	6.806	510.370	500.000	2.1
Aroclor-1260-4	7.170	7.077	7.277	505.570	500.000	1.1
Aroclor-1260-5	7.412	7.319	7.519	505.920	500.000	1.2
Decachlorobiphenyl	8.811	8.723	8.923	53.050	50.000	6.1
Tetrachloro-m-xylene	3.797	3.691	3.891	49.150	50.000	-1.7

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.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.72	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.73	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.73	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.72	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.72	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.72	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.72	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.72	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.72	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.72	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.73	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.72	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.72	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.72	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.72	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.72	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.72	3.68
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.72	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.73	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.73	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.72	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.72	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.72	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.72	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.72	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.72	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	16:42	PO111433.D	8.72	3.68
I.BLK	I.BLK	06/03/2025	18:14	PO111437.D	8.72	3.68
EB05312025	Q2177-08	06/03/2025	20:41	PO111445.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	22:13	PO111447.D	8.72	3.68
I.BLK	I.BLK	06/03/2025	23:44	PO111451.D	8.72	3.68
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50

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

Analytical Sequence

AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	10.19	4.50
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	10.20	4.50
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	10.20	4.50
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	10.20	4.50
B-187-SB01	Q2177-02	06/03/2025	20:15	PP072579.D	10.20	4.50
B-187-SB02	Q2177-04	06/03/2025	20:31	PP072580.D	10.19	4.50
B-202-SB01	Q2177-06	06/03/2025	20:48	PP072581.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	10.19	4.50
PB168257BL	PB168257BL	06/04/2025	00:35	PP072590.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	03:51	PP072598.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	05:12	PP072602.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	10.19	4.50
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	10.20	4.50
PB168257BS	PB168257BS	06/04/2025	10:16	PP072609.D	10.20	4.50
PB168257BSD	PB168257BSD	06/04/2025	10:32	PP072610.D	10.19	4.50
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	10.20	4.50

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.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/14/2025 05/14/2025

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	05/14/2025	17:01	PO111057.D	8.67	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.67	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.67	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.67	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.67	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.67	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.67	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.67	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.67	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.67	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.67	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.67	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.67	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.69	3.69
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.67	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.67	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.67	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.67	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.67	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.67	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.67	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.67	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.67	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.67	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.67	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	16:42	PO111433.D	8.67	3.68
I.BLK	I.BLK	06/03/2025	18:14	PO111437.D	8.67	3.68
EB05312025	Q2177-08	06/03/2025	20:41	PO111445.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	22:13	PO111447.D	8.67	3.68
I.BLK	I.BLK	06/03/2025	23:44	PO111451.D	8.67	3.68
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80

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

Analytical Sequence

AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	8.81	3.79
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	8.81	3.80
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	8.81	3.80
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	8.81	3.80
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	8.81	3.79
B-187-SB01	Q2177-02	06/03/2025	20:15	PP072579.D	8.81	3.80
B-187-SB02	Q2177-04	06/03/2025	20:31	PP072580.D	8.81	3.80
B-202-SB01	Q2177-06	06/03/2025	20:48	PP072581.D	8.81	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	8.81	3.79
PB168257BL	PB168257BL	06/04/2025	00:35	PP072590.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	03:51	PP072598.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	05:12	PP072602.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	8.81	3.79
PB168257BS	PB168257BS	06/04/2025	10:16	PP072609.D	8.81	3.80
PB168257BSD	PB168257BSD	06/04/2025	10:32	PP072610.D	8.81	3.79
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	8.81	3.80
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	8.81	3.80

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
TP-28MS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2176-05MS Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072574.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.652	5.602	5.702	141		
	2	5.673	5.623	5.723	153		
	3	5.735	5.685	5.785	150		
COLUMN 1	4	5.832	5.782	5.882	156		
	5	6.125	6.075	6.175	148	150	
	1	4.877	4.827	4.927	166		
	2	4.895	4.845	4.945	169		
	3	5.071	5.021	5.121	171		
	4	5.113	5.063	5.163	170		
COLUMN 2	5	5.327	5.277	5.377	164	168	11.32
Aroclor-1260	1	7.242	7.192	7.292	161		
	2	7.495	7.445	7.545	142		
	3	7.854	7.804	7.904	125		
COLUMN 1	4	8.076	8.026	8.126	138		
	5	8.396	8.346	8.446	134	140	
	1	6.358	6.308	6.408	178		
	2	6.548	6.498	6.598	162		
	3	6.7	6.65	6.75	171		
	4	7.17	7.12	7.22	150		
COLUMN 2	5	7.412	7.362	7.462	145	161	13.95

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-28MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2176-05MSD Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072575.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.654	5.604	5.704	121		
	2	5.676	5.626	5.726	130		
	3	5.737	5.687	5.787	129		
COLUMN 1	4	5.835	5.785	5.885	136		
	5	6.127	6.077	6.177	126	128	
	1	4.876	4.826	4.926	141		
	2	4.894	4.844	4.944	142		
	3	5.071	5.021	5.121	144		
	4	5.113	5.063	5.163	144		
COLUMN 2	5	5.326	5.276	5.376	139	142	10.37
Aroclor-1260	1	7.245	7.195	7.295	131		
	2	7.498	7.448	7.548	120		
	3	7.857	7.807	7.907	106		
COLUMN 1	4	8.081	8.031	8.131	117		
	5	8.399	8.349	8.449	112	117	
	1	6.359	6.309	6.409	154		
	2	6.547	6.497	6.597	140		
	3	6.699	6.649	6.749	148		
	4	7.169	7.119	7.219	130		
COLUMN 2	5	7.411	7.361	7.461	125	139	17.19

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168257BS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168257BS Date(s) Analyzed: 06/04/2025 06/04/2025

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 PP072609.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.649	5.599	5.699	3.89		
	2	5.671	5.621	5.721	4.21		
	3	5.733	5.683	5.783	4.16		
COLUMN 1	4	5.83	5.78	5.88	4.33		
	5	6.122	6.072	6.172	4.10	4.10	
	1	4.875	4.825	4.925	4.54		
	2	4.893	4.843	4.943	4.61		
	3	5.07	5.02	5.12	4.60		
	4	5.112	5.062	5.162	4.62		
COLUMN 2	5	5.326	5.276	5.376	4.50	4.60	11.49
Aroclor-1260	1	7.24	7.19	7.29	4.44		
	2	7.494	7.444	7.544	4.44		
	3	7.852	7.802	7.902	3.90		
COLUMN 1	4	8.076	8.026	8.126	4.16		
	5	8.394	8.344	8.444	4.15	4.20	
	1	6.357	6.307	6.407	4.99		
	2	6.545	6.495	6.595	4.77		
	3	6.698	6.648	6.748	5.07		
	4	7.168	7.118	7.218	4.47		
COLUMN 2	5	7.41	7.36	7.46	4.43	4.70	11.24

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168257BSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168257BSD Date(s) Analyzed: 06/04/2025 06/04/2025

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 PP072610.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.648	5.598	5.698	3.90		
	2	5.67	5.62	5.72	4.20		
	3	5.732	5.682	5.782	4.12		
COLUMN 1	4	5.83	5.78	5.88	4.33		
	5	6.122	6.072	6.172	4.12	4.10	
	1	4.875	4.825	4.925	4.51		
	2	4.893	4.843	4.943	4.60		
	3	5.07	5.02	5.12	4.63		
	4	5.111	5.061	5.161	4.64		
COLUMN 2	5	5.325	5.275	5.375	4.48	4.60	11.49
Aroclor-1260	1	7.239	7.189	7.289	4.40		
	2	7.492	7.442	7.542	4.42		
	3	7.851	7.801	7.901	3.78		
COLUMN 1	4	8.074	8.024	8.124	4.06		
	5	8.393	8.343	8.443	4.16	4.20	
	1	6.357	6.307	6.407	4.90		
	2	6.546	6.496	6.596	4.64		
	3	6.698	6.648	6.748	4.91		
	4	7.168	7.118	7.218	4.42		
COLUMN 2	5	7.41	7.36	7.46	4.39	4.70	11.24

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168252BS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168252BS Date(s) Analyzed: 06/04/2025 06/04/2025

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 PP072614.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.652	5.602	5.702	131		
	2	5.673	5.623	5.723	143		
	3	5.735	5.685	5.785	143		
COLUMN 1	4	5.832	5.782	5.882	146		
	5	6.125	6.075	6.175	139	140	
	1	4.875	4.825	4.925	152		
	2	4.893	4.843	4.943	155		
	3	5.069	5.019	5.119	156		
	4	5.111	5.061	5.161	156		
COLUMN 2	5	5.325	5.275	5.375	148	153	8.87
Aroclor-1260	1	7.242	7.192	7.292	146		
	2	7.496	7.446	7.546	148		
	3	7.853	7.803	7.903	129		
COLUMN 1	4	8.078	8.028	8.128	137		
	5	8.399	8.349	8.449	159	144	
	1	6.357	6.307	6.407	165		
	2	6.546	6.496	6.596	156		
	3	6.697	6.647	6.747	167		
	4	7.167	7.117	7.217	150		
COLUMN 2	5	7.409	7.359	7.459	147	157	8.64

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:15
Operator : YP\AJ
Sample : Q2177-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-187-SB01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.501	3.795	36909353	33123564	18.356m	20.723
2)	SA Decachlor...	10.201	8.811	23838811	18434306	14.633	17.414
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

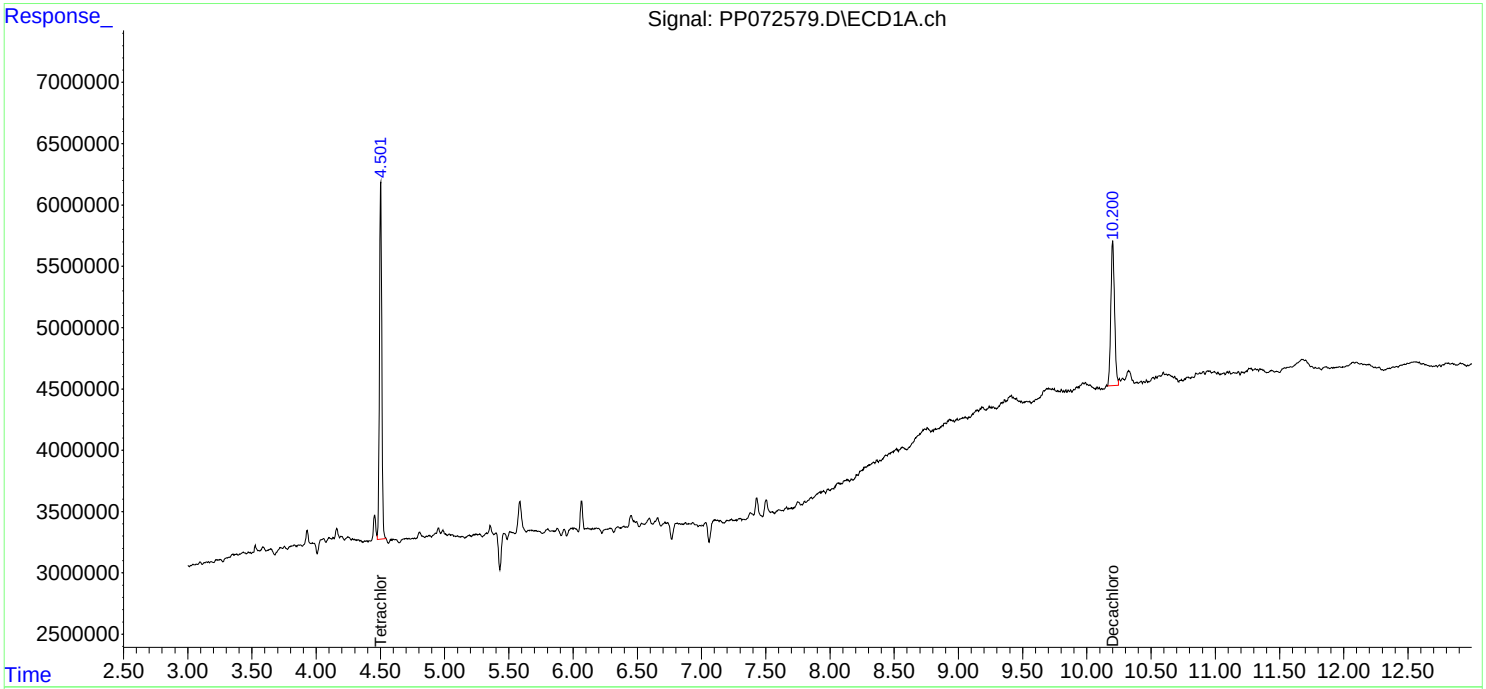
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:15
Operator : YP\AJ
Sample : Q2177-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

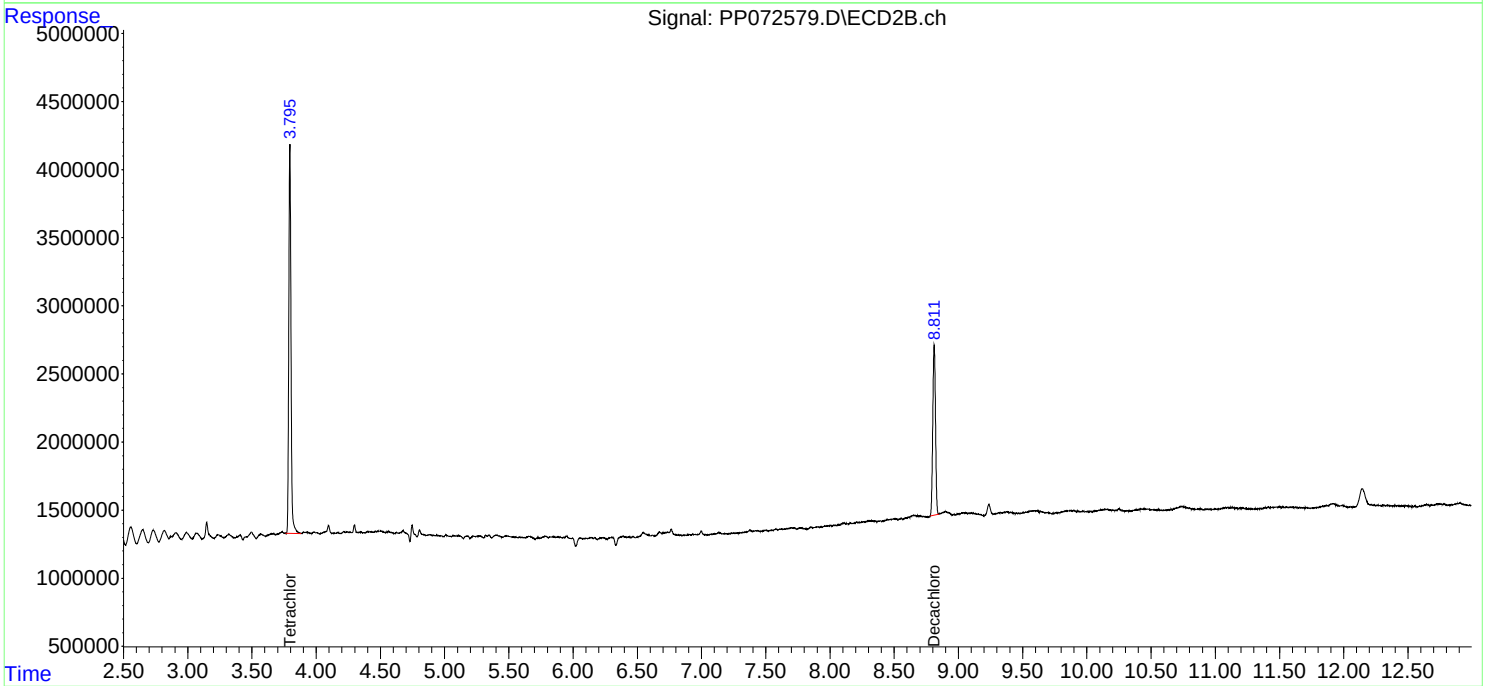
Instrument :
ECD_P
ClientSampleId :
B-187-SB01

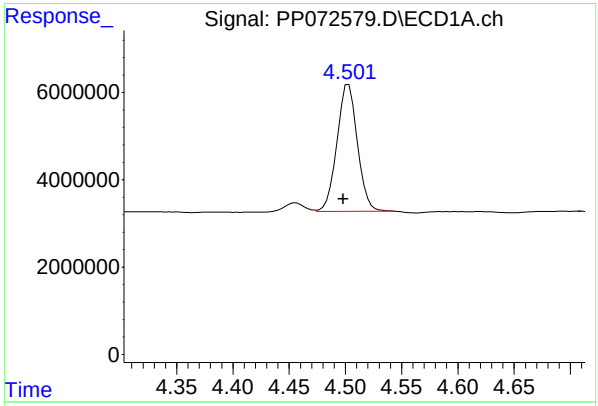
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







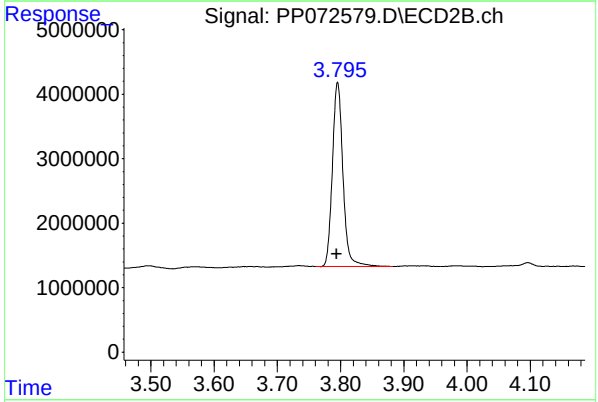
#1 Tetrachloro-m-xylene

R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 36909353
Conc: 18.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-187-SB01

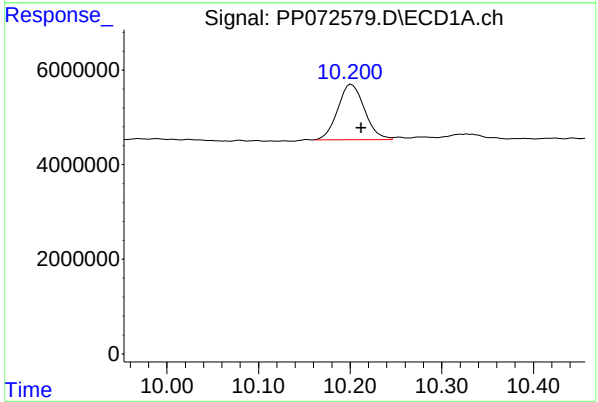
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



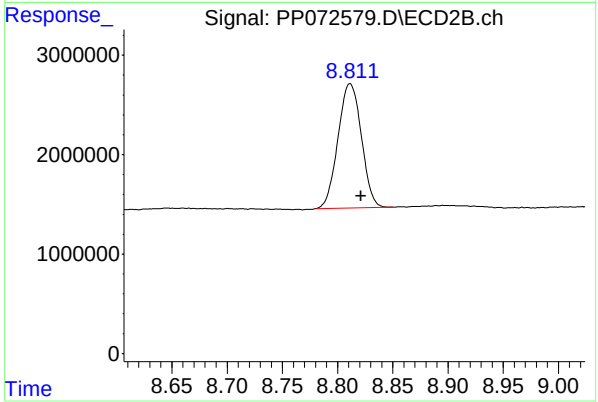
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 33123564
Conc: 20.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.201 min
Delta R.T.: -0.011 min
Response: 23838811
Conc: 14.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.811 min
Delta R.T.: -0.010 min
Response: 18434306
Conc: 17.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:31
Operator : YP\AJ
Sample : Q2177-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-187-SB02

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.497	3.795	36118127	33300068	17.962	20.834
2)	SA Decachlor...	10.194	8.809	21764610	16314604	13.360m	15.411m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

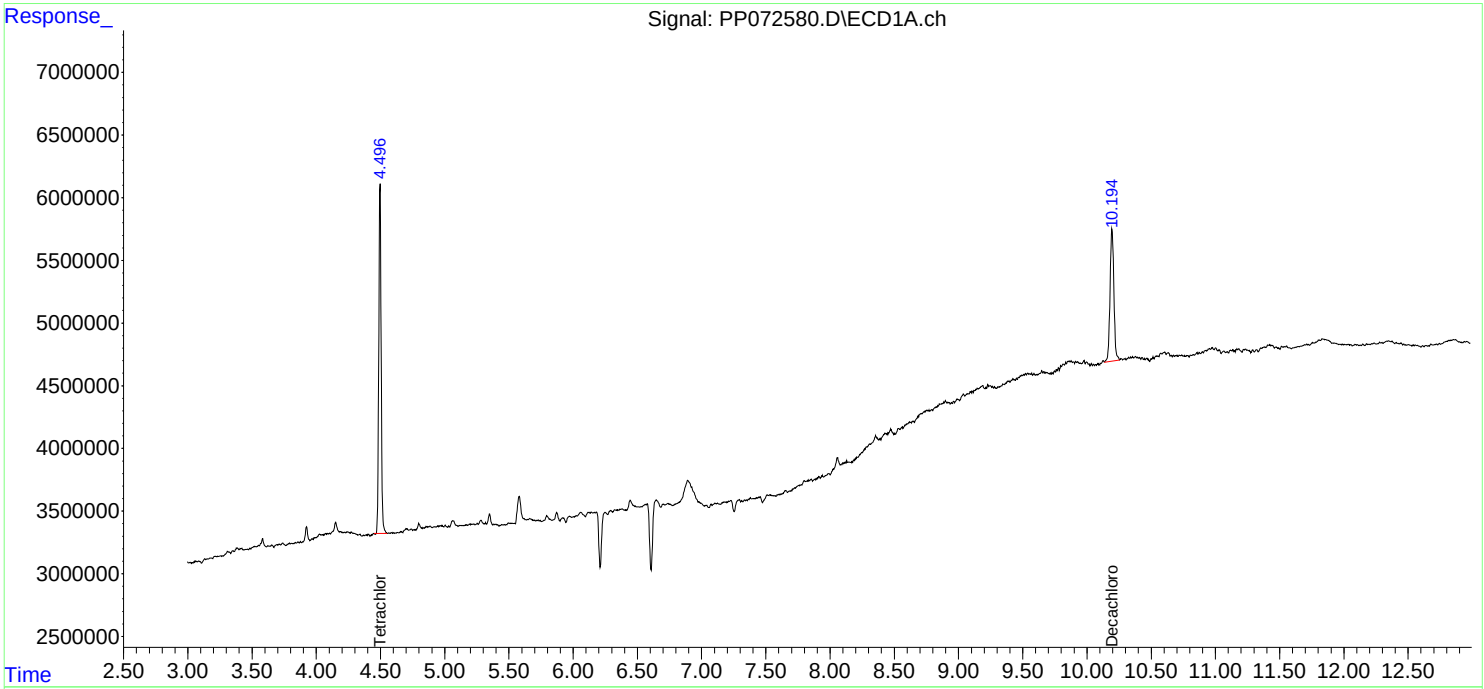
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:31
Operator : YP\AJ
Sample : Q2177-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

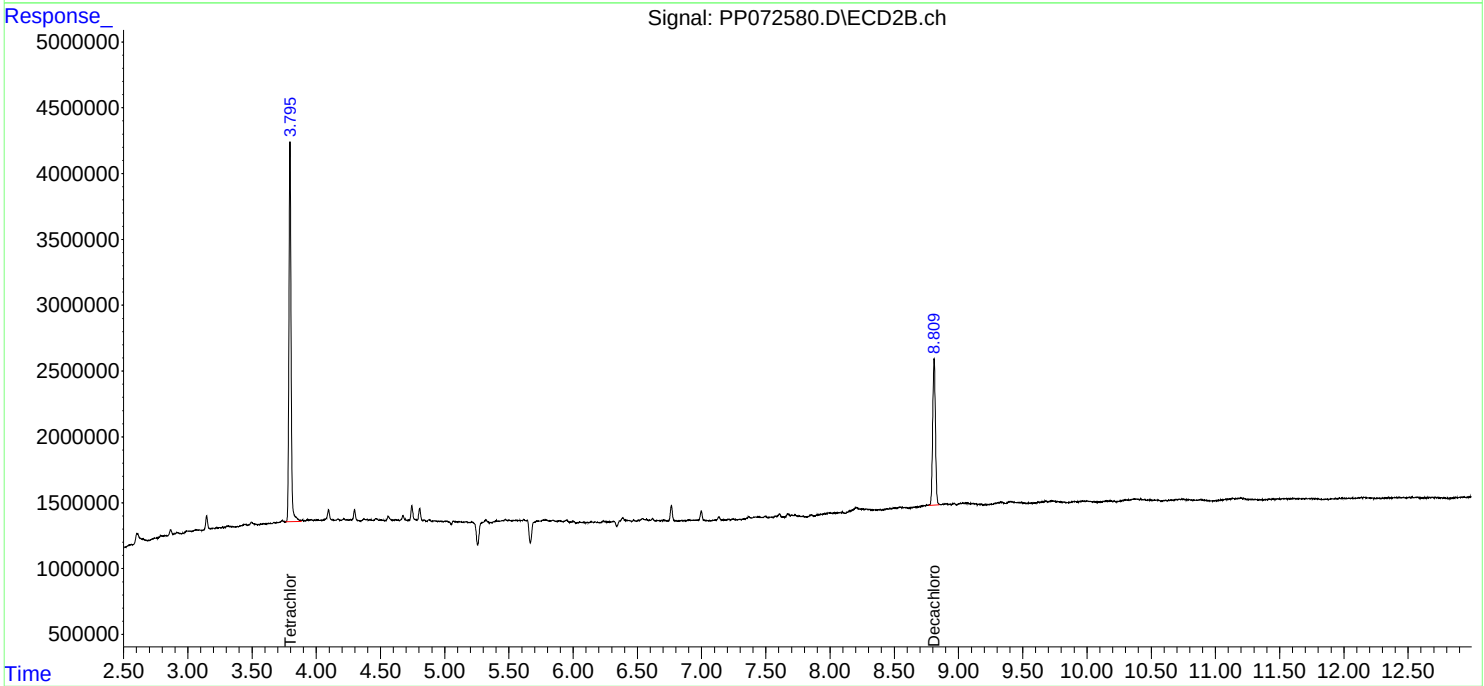
Instrument :
ECD_P
ClientSampleId :
B-187-SB02

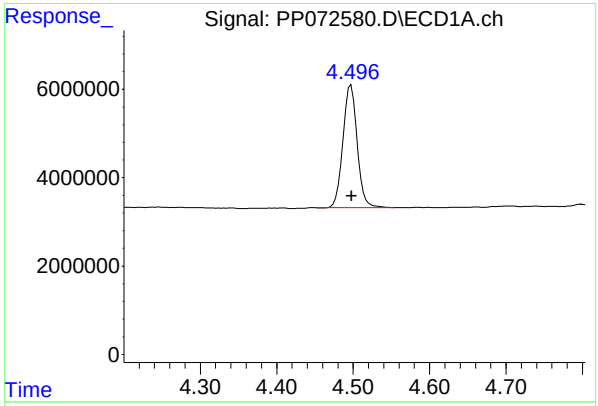
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







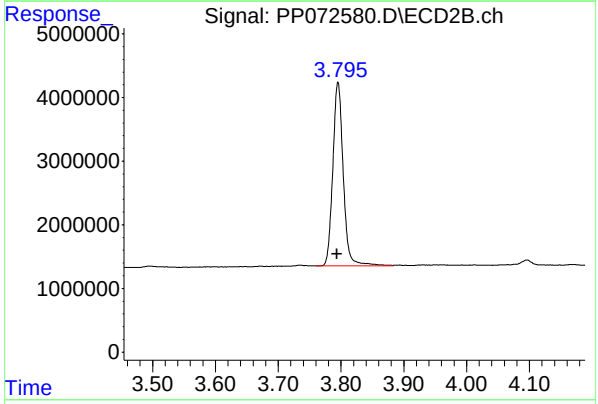
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
Delta R.T.: -0.001 min
Response: 36118127
Conc: 17.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-187-SB02

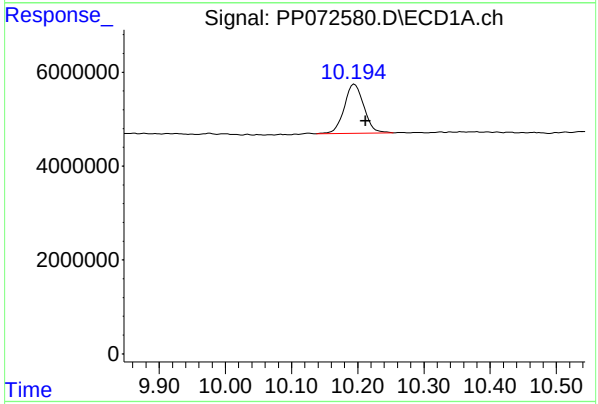
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



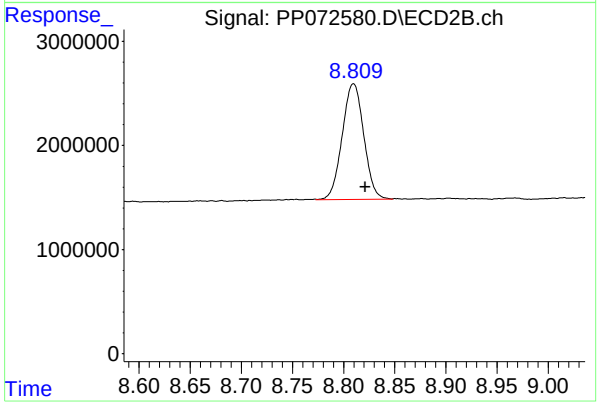
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 33300068
Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
Delta R.T.: -0.018 min
Response: 21764610
Conc: 13.36 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.012 min
Response: 16314604
Conc: 15.41 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:48
Operator : YP\AJ
Sample : Q2177-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:38:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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_P
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.795	41161641	38502501	20.470m	24.089
2)	SA Decachlor...	10.200	8.810	30482591	23027738	18.711m	21.753m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

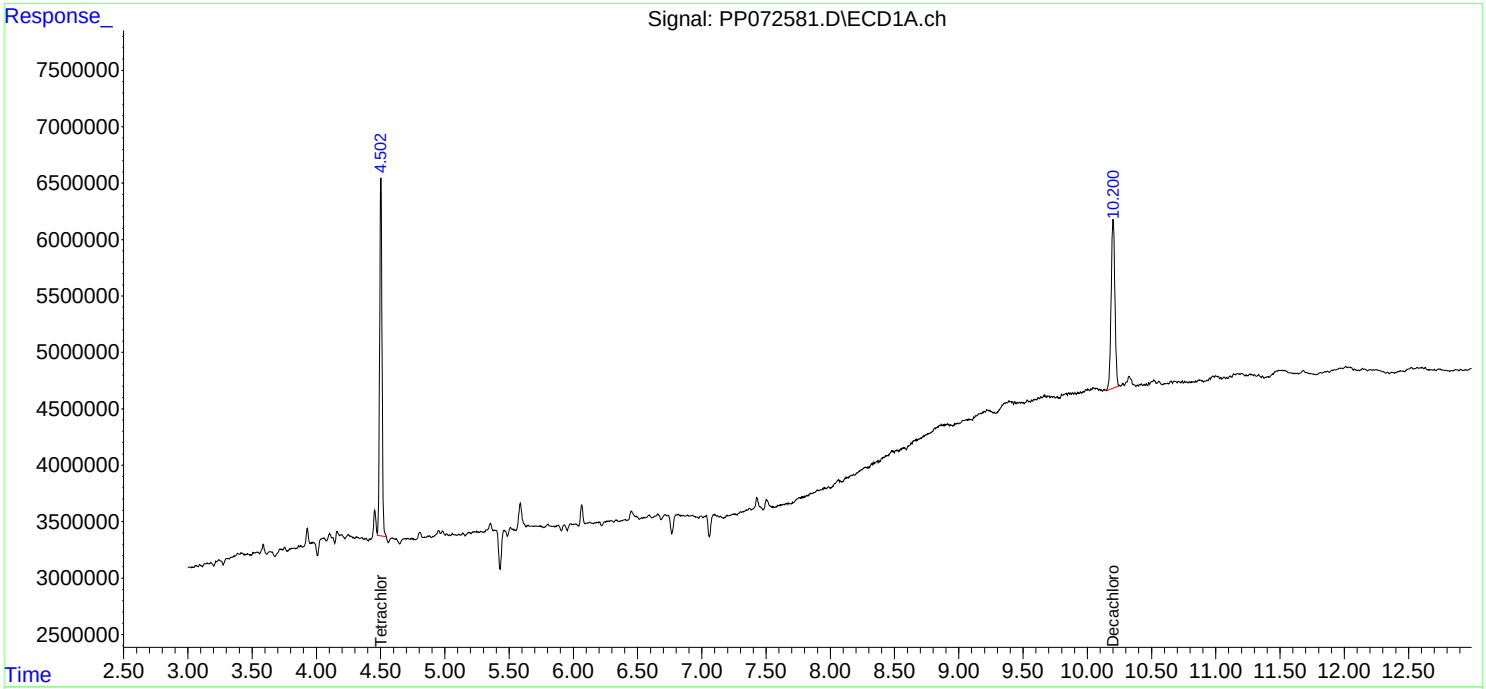
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:48
Operator : YP\AJ
Sample : Q2177-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

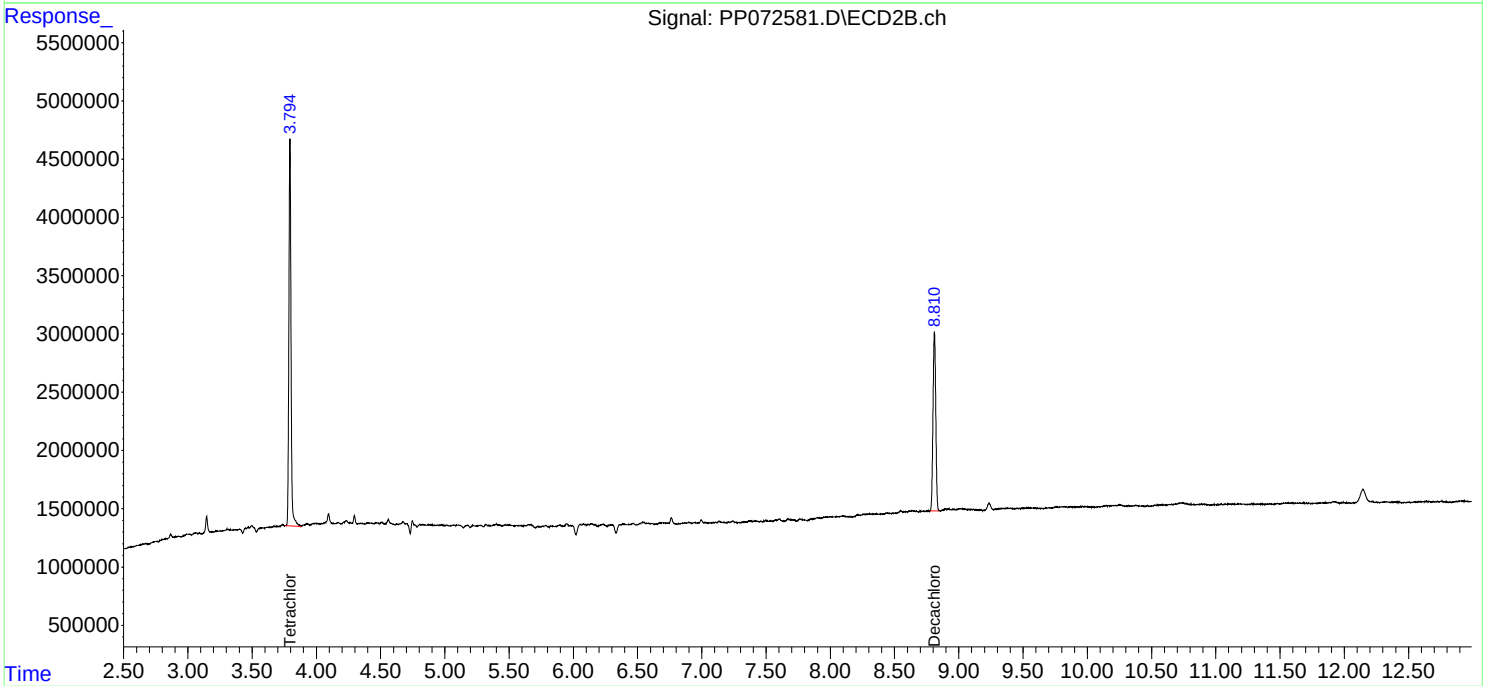
Instrument :
ECD_P
ClientSampleId :
B-202-SB01

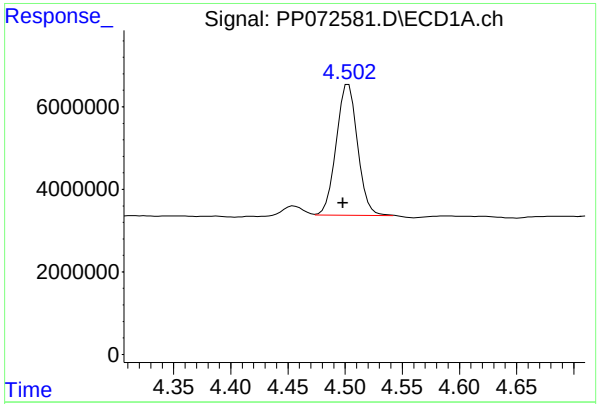
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:38:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







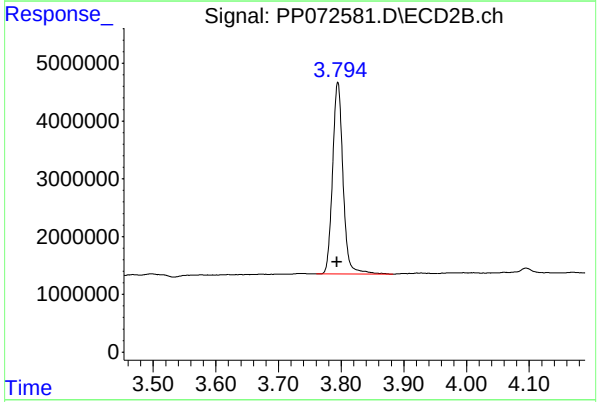
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 41161641
Conc: 20.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-202-SB01

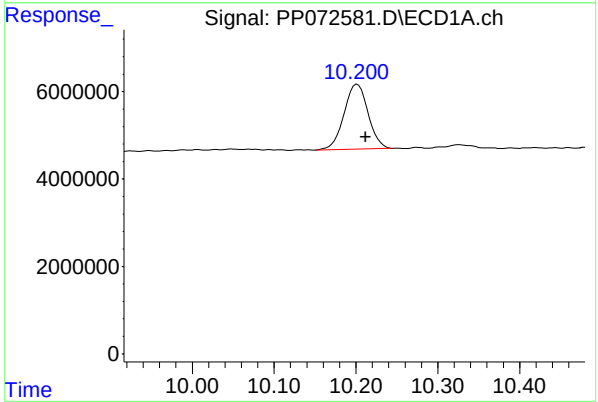
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



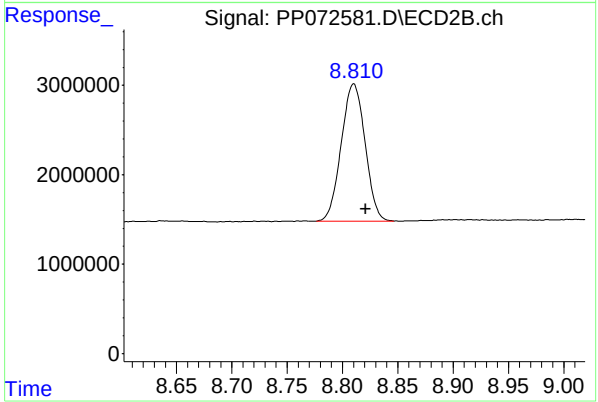
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 38502501
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 30482591
Conc: 18.71 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 23027738
Conc: 21.75 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:41
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
EB05312025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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...	3.681	3.677	134.4E6	114.6E6	22.841	21.016
2)	SA Decachlor...	8.717	8.666	79530138	27754512	15.404	15.001
	Target Compounds						

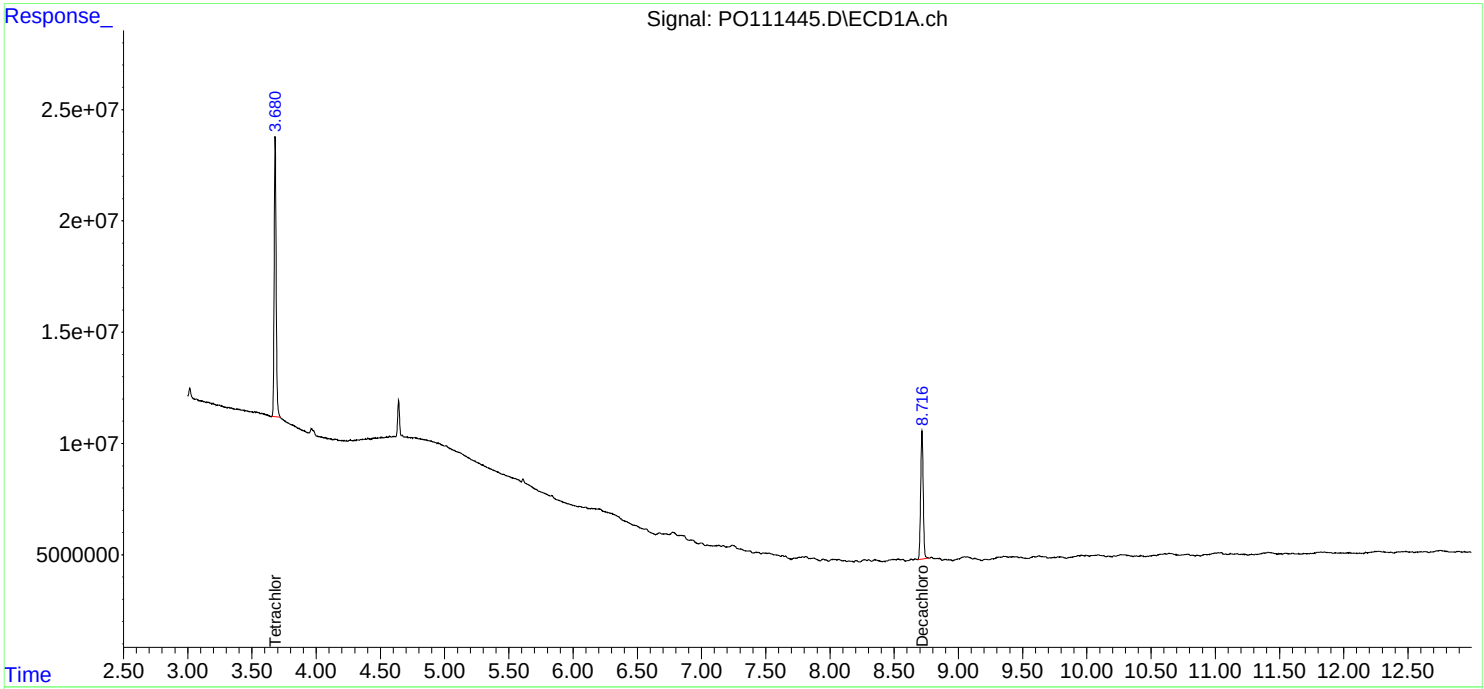
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

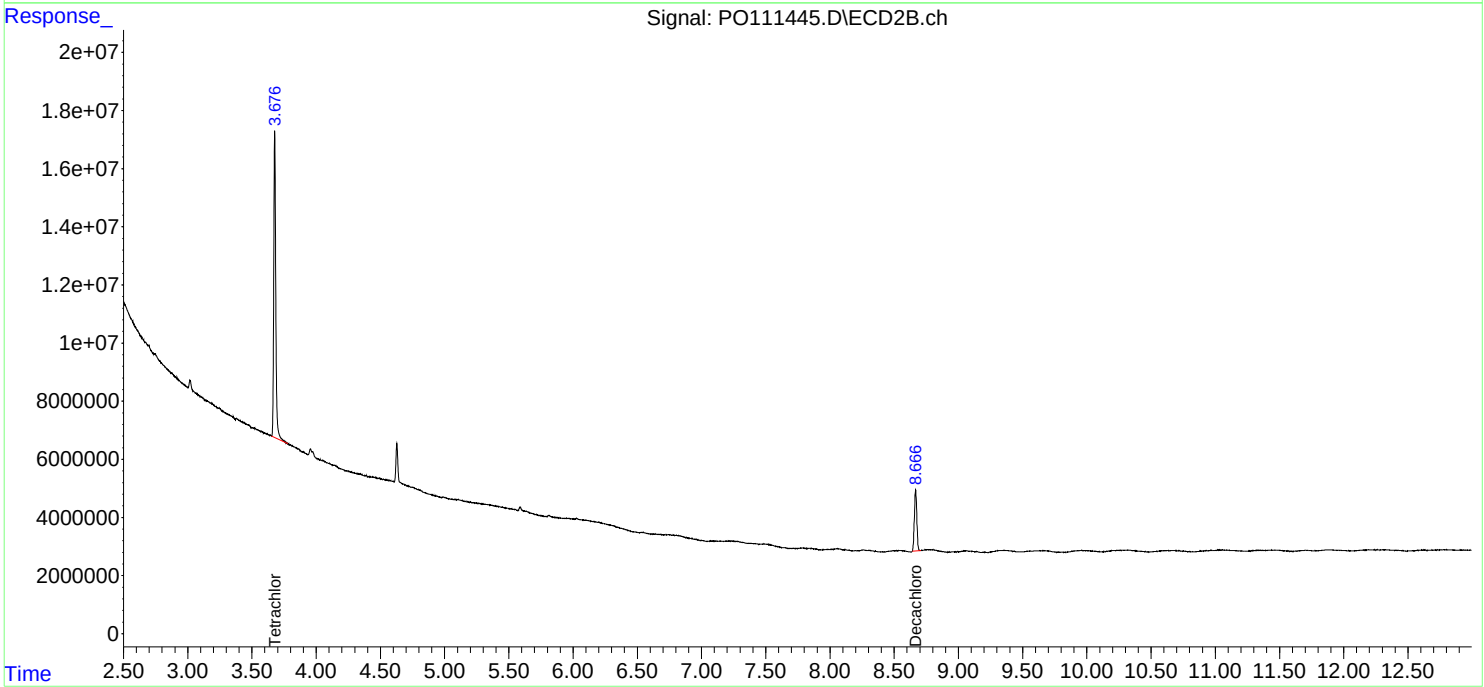
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:41
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

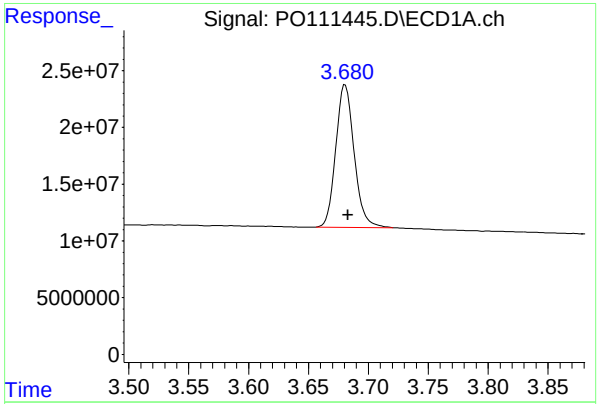
Instrument :
ECD_O
ClientSampleId :
EB05312025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 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



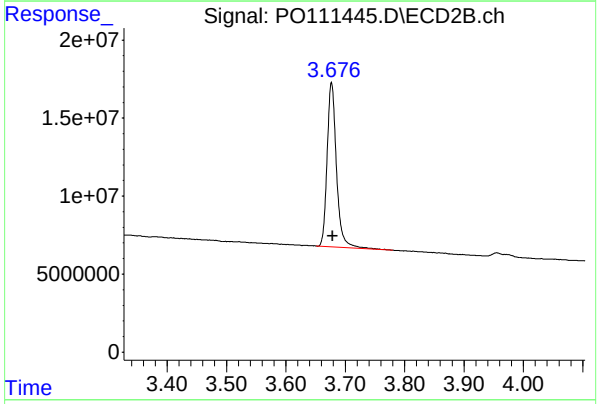




#1 Tetrachloro-m-xylene

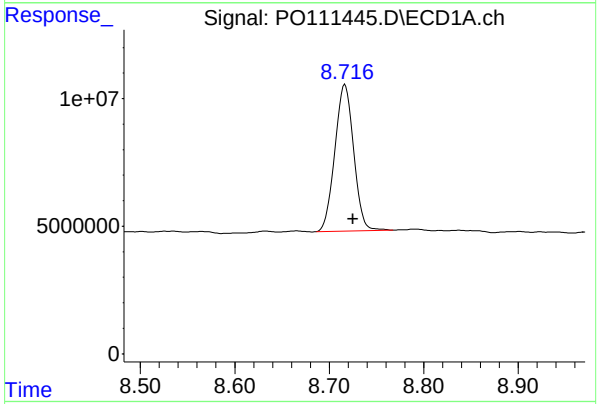
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 134381054
Conc: 22.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
EB05312025



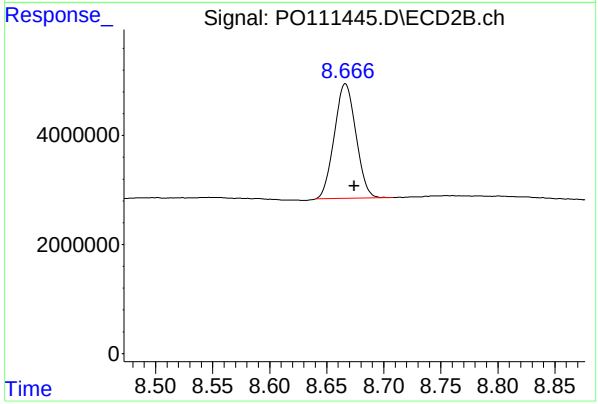
#1 Tetrachloro-m-xylene

R.T.: 3.677 min
Delta R.T.: -0.002 min
Response: 114566534
Conc: 21.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: -0.008 min
Response: 79530138
Conc: 15.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.666 min
Delta R.T.: -0.008 min
Response: 27754512
Conc: 15.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:28
Operator : YP\AJ
Sample : PB168252BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 14:08:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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_P
ClientSampleId :
PB168252BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.500	3.794	39017773	33662485	19.404	21.061
2)	SA Decachlor...	10.200	8.809	33339459	23871164	20.465m	22.550m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

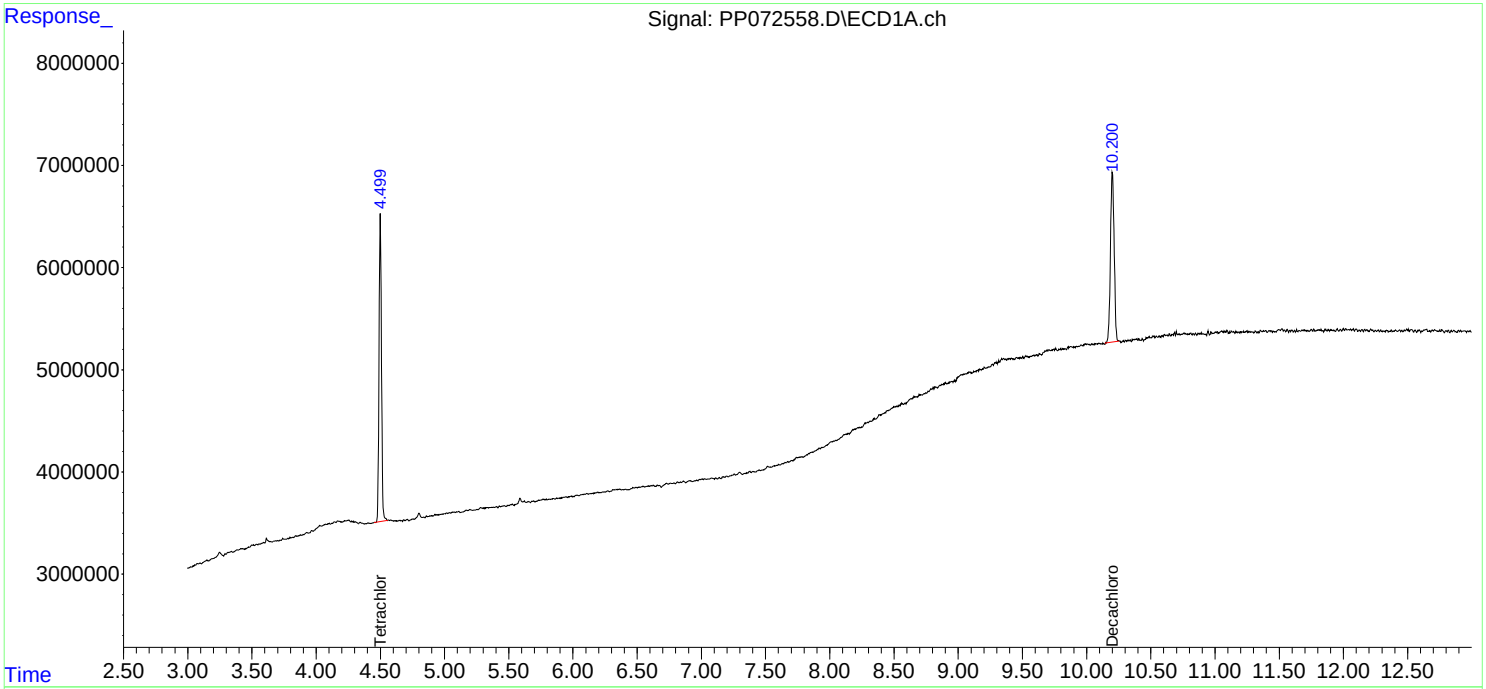
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:28
Operator : YP\AJ
Sample : PB168252BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

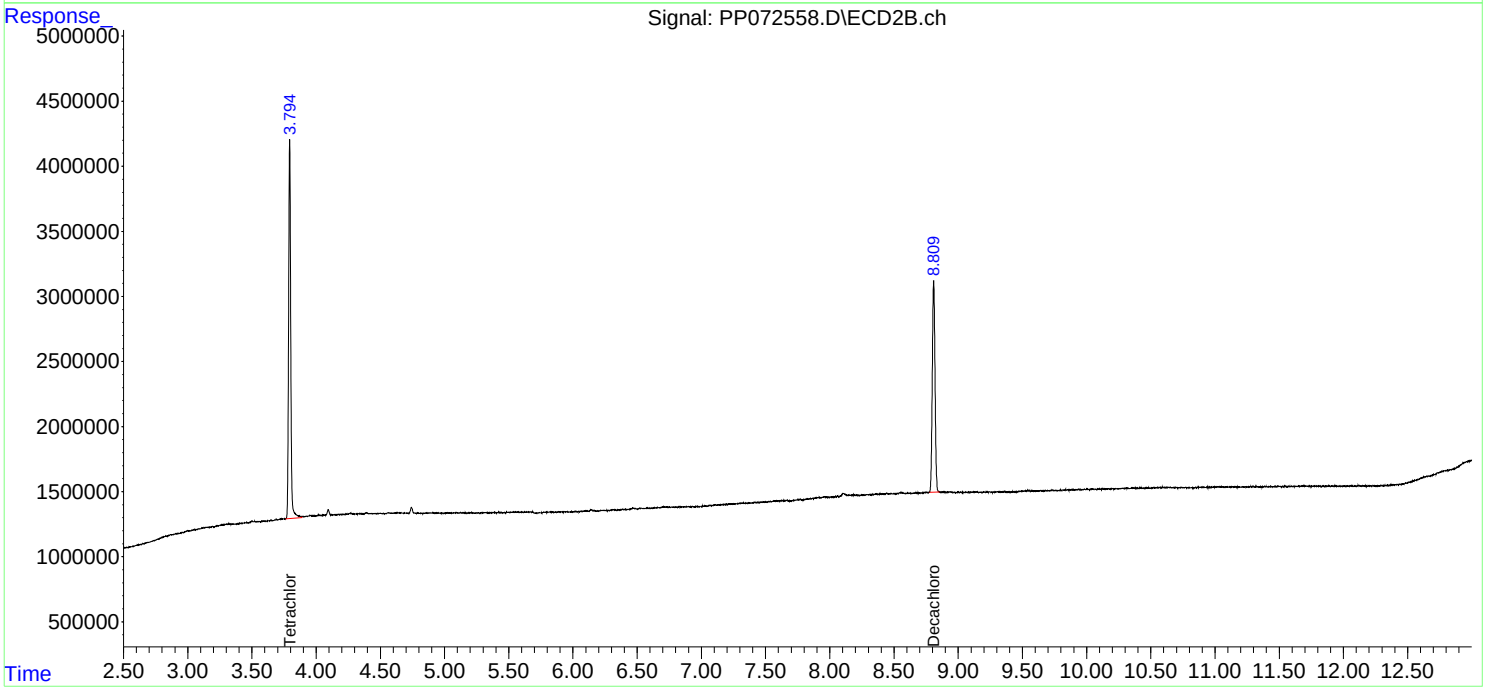
Instrument :
ECD_P
ClientSampleId :
PB168252BL

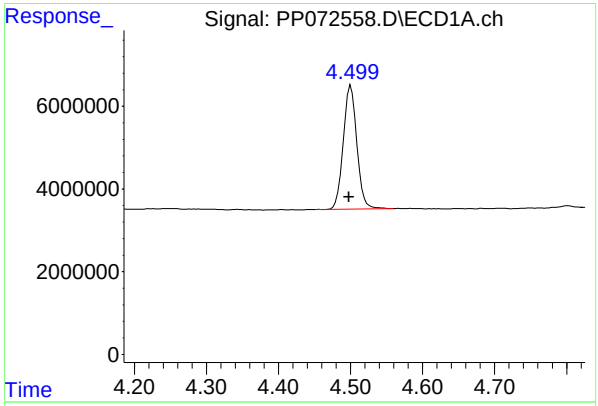
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 14:08:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







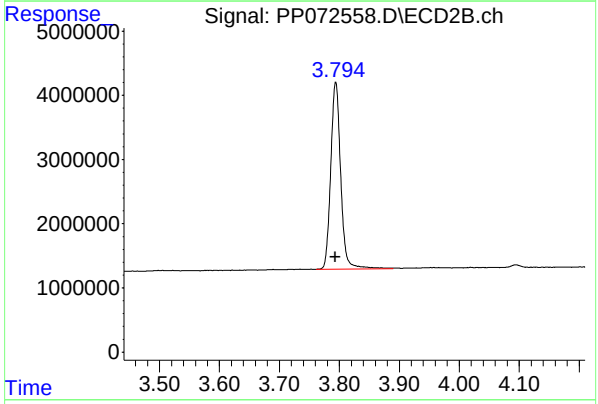
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 mi
Response: 39017773
Conc: 19.40 ng/m

Instrument :
ECD_P
ClientSampleId :
PB168252BL

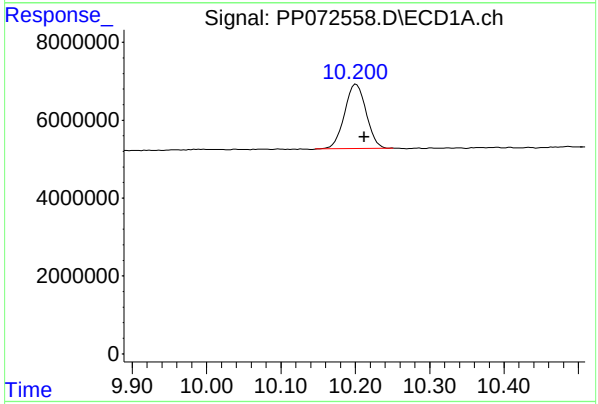
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



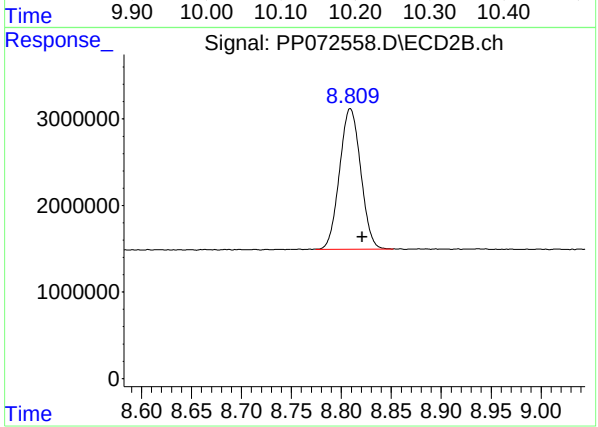
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 33662485
Conc: 21.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 33339459
Conc: 20.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.013 min
Response: 23871164
Conc: 22.55 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 00:35
Operator : YP\AJ
Sample : PB168257BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168257BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.498	3.794	38233352	32802243	19.014	20.522
2)	SA Decachlor...	10.195	8.807	33994803	25529702	20.867m	24.116m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

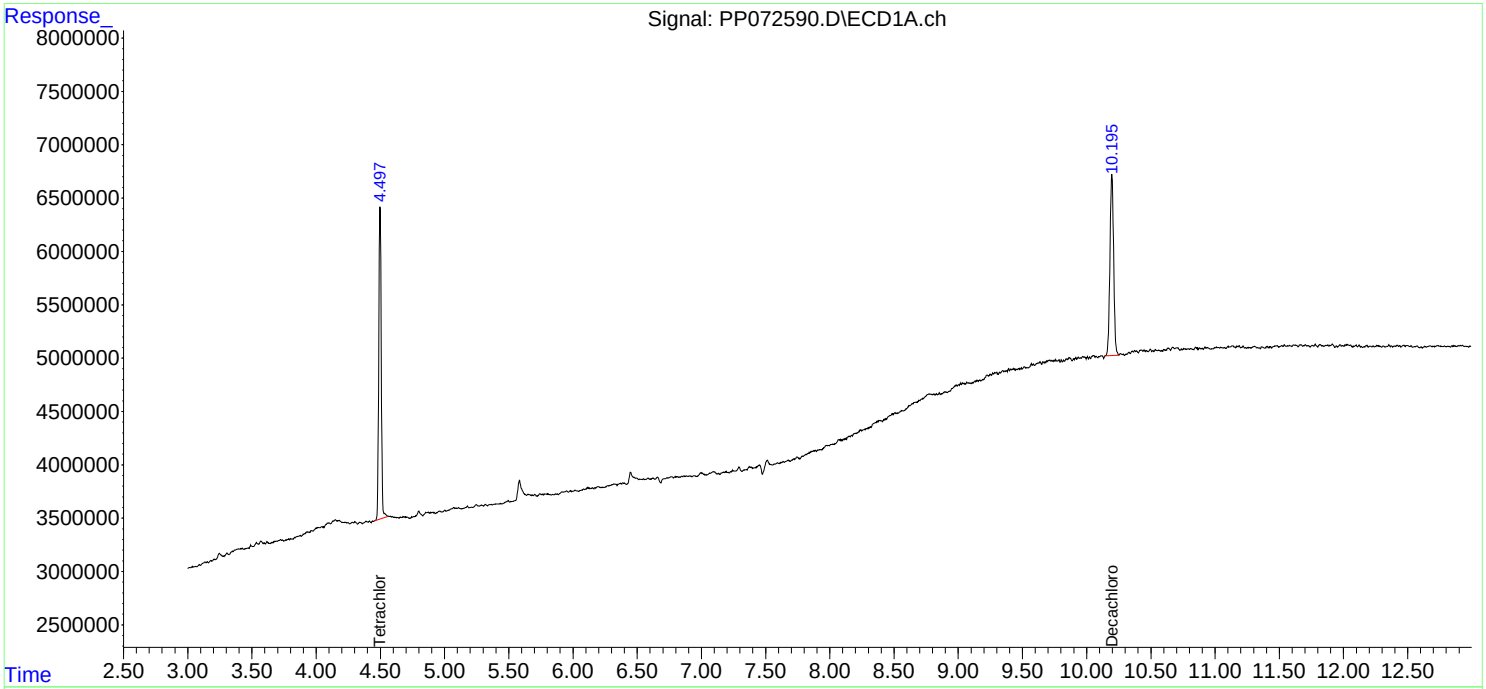
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 00:35
Operator : YP\AJ
Sample : PB168257BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

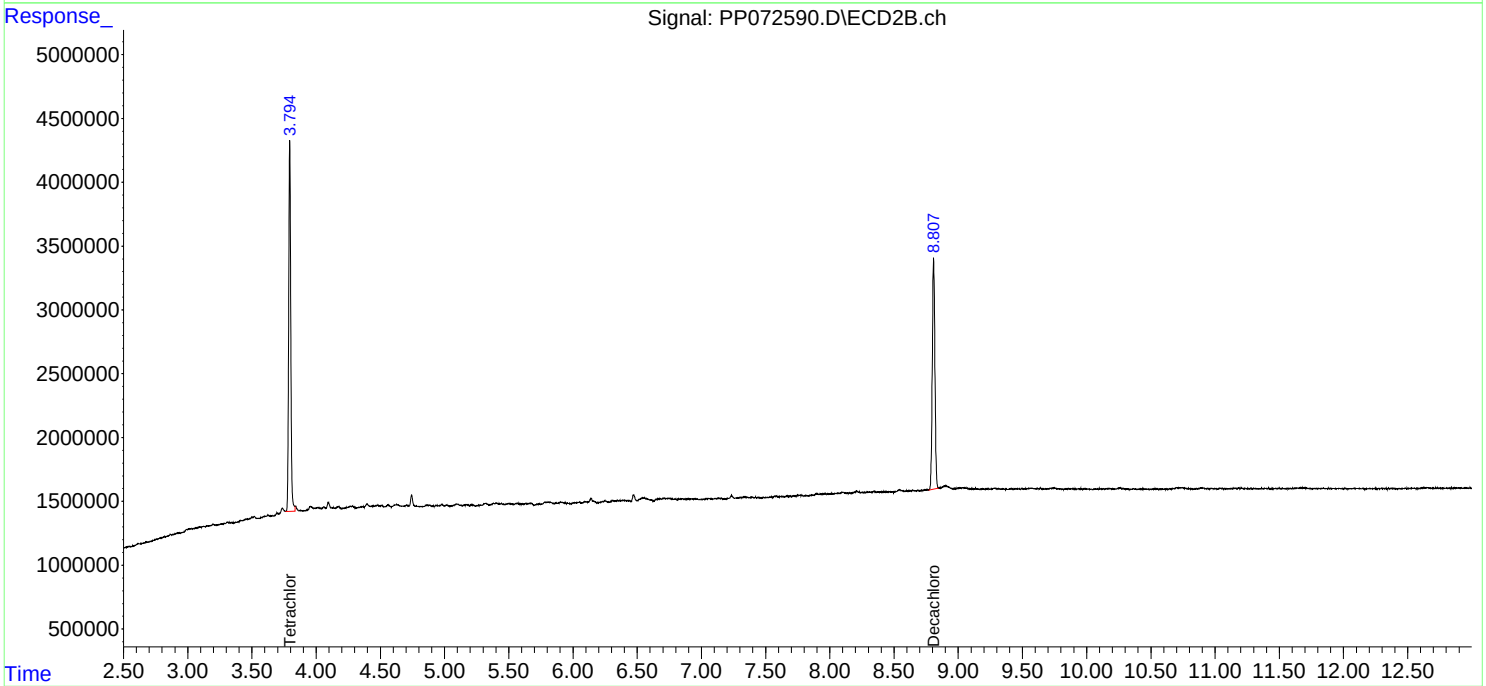
Instrument :
ECD_P
ClientSampleId :
PB168257BL

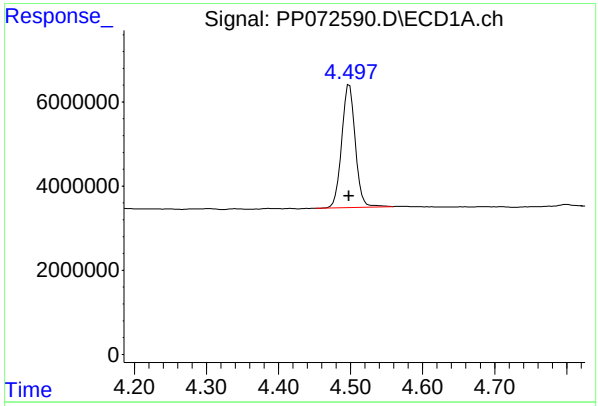
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







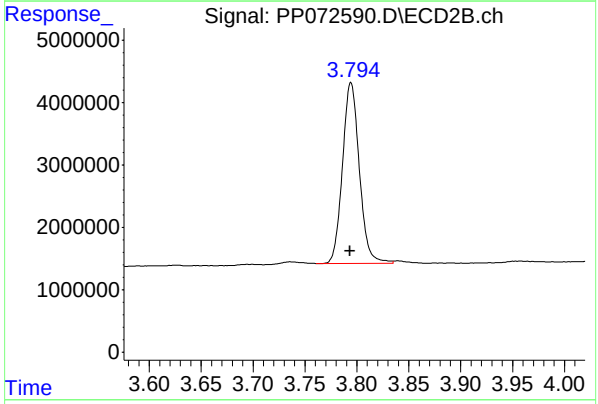
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 38233352
Conc: 19.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168257BL

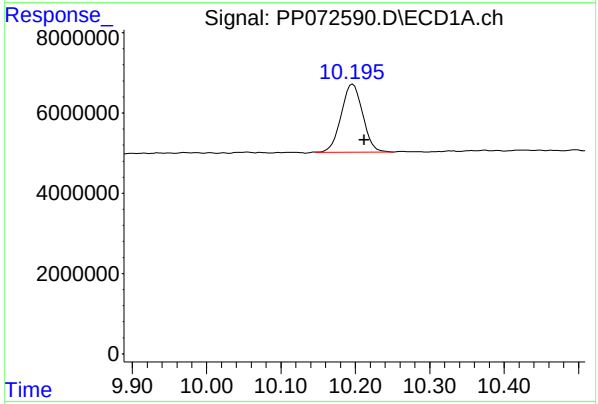
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



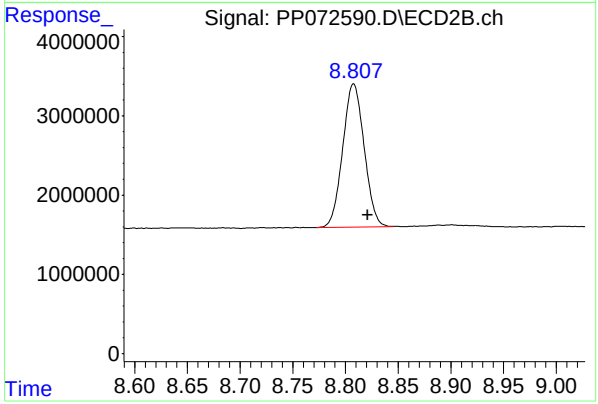
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 32802243
Conc: 20.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.195 min
Delta R.T.: -0.017 min
Response: 33994803
Conc: 20.87 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 25529702
Conc: 24.12 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:37
Operator : YP\AJ
Sample : PB168252BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168252BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:25:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.500	3.794	39147512	31976492	19.469	20.006
2)	SA Decachlor...	10.198	8.808	33462860	24867412	20.540	23.491m
	Target Compounds						
3)	L1 AR-1016-1	5.652	4.875	29511760	28050184	393.052	456.624
4)	L1 AR-1016-2	5.673	4.893	46043745	40857879	430.349	465.408
5)	L1 AR-1016-3	5.735	5.069	28120990	22261117	428.903	467.136
6)	L1 AR-1016-4	5.832	5.111	23309733	17784555	437.577	467.457
7)	L1 AR-1016-5	6.125	5.325	20355750	22120563	416.195	443.970
31)	L7 AR-1260-1	7.242	6.357	40988391	39524782	437.935	495.585
32)	L7 AR-1260-2	7.496	6.546	63608527	47424120	443.297	467.591
33)	L7 AR-1260-3	7.853	6.697	44060572	43662328	386.935	502.430 #
34)	L7 AR-1260-4	8.078	7.167	44067294	32551534	410.682	451.534
35)	L7 AR-1260-5	8.399	7.409	113.3E6	76778644	478.659	442.212

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:37
Operator : YP\AJ
Sample : PB168252BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

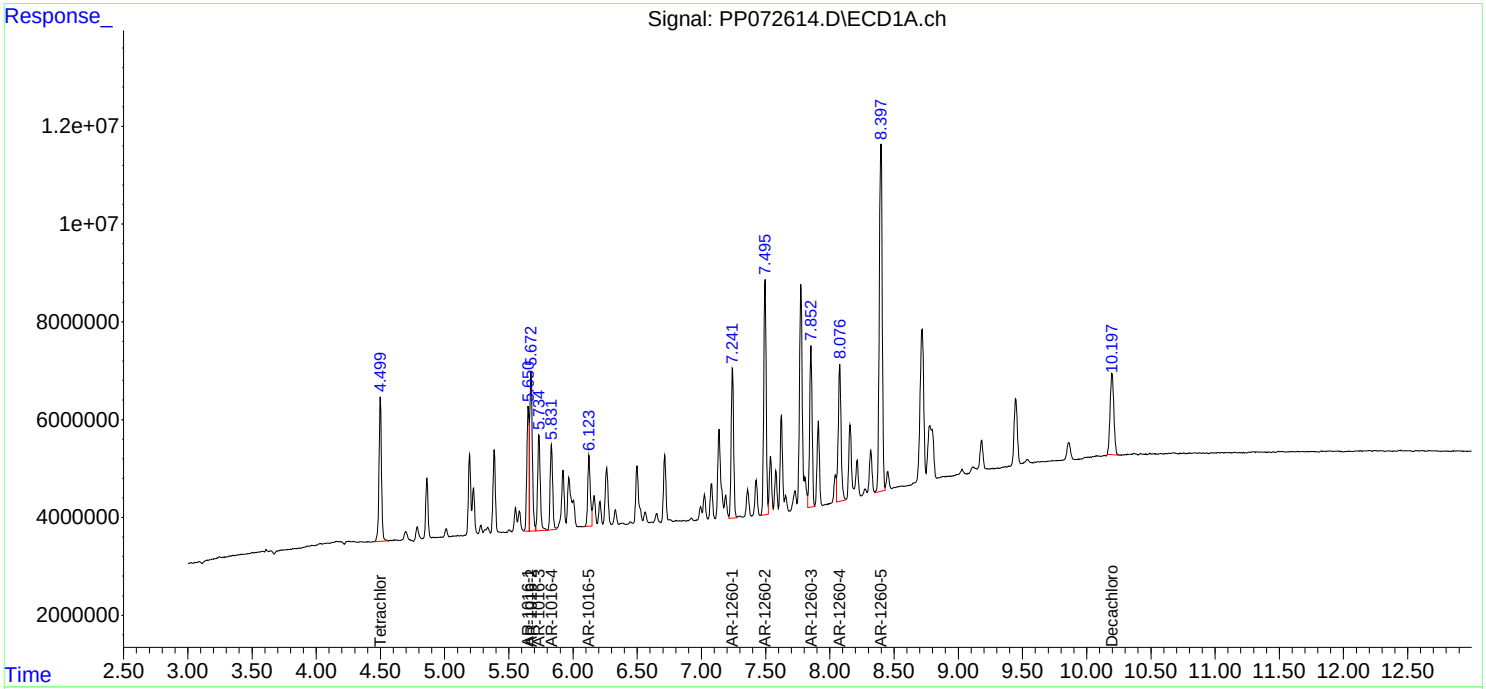
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:25:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

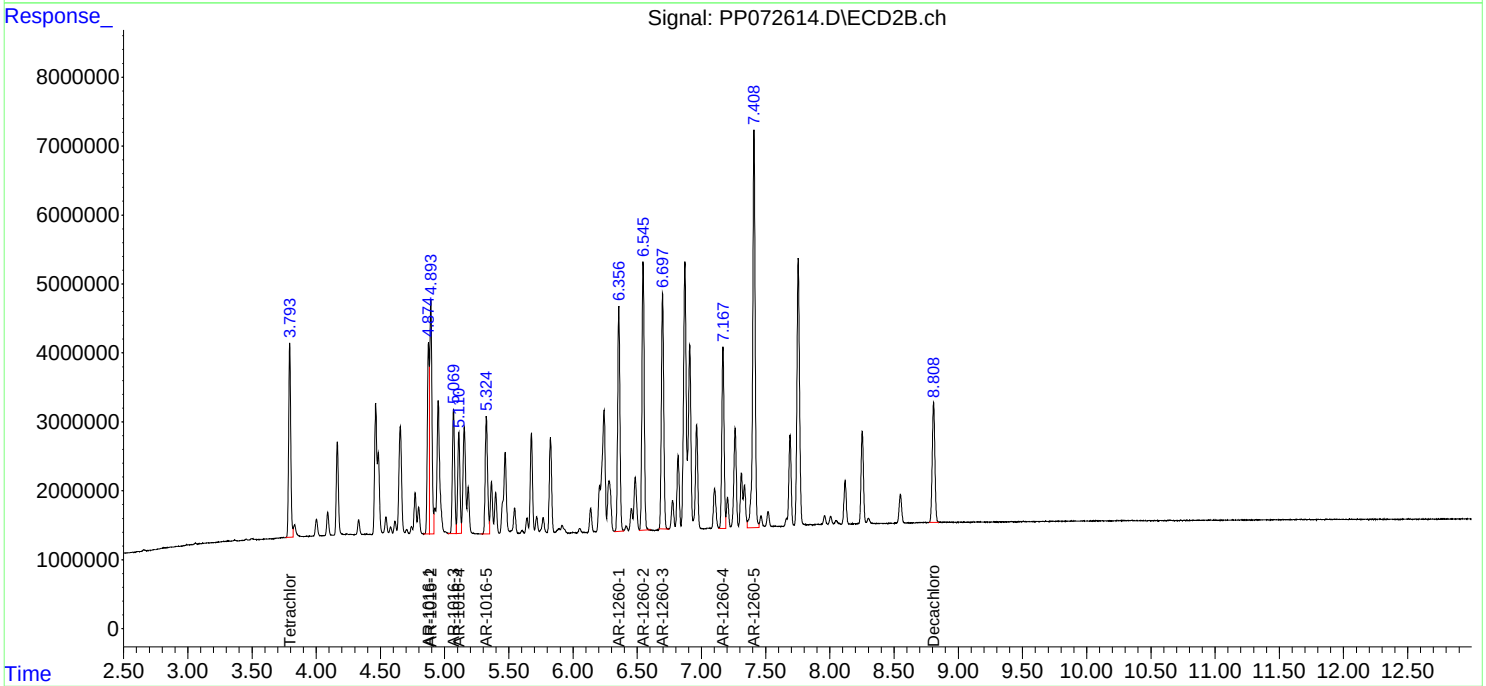
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_P
ClientSampleId :
PB168252BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:16
Operator : YP\AJ
Sample : PB168257BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168257BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.497	3.795	39085568	32015481	19.438	20.030
2)	SA Decachlor...	10.198	8.808	32309567	25249091	19.832	23.851m
	Target Compounds						
3)	L1 AR-1016-1	5.649	4.875	29181284	27900332	388.650	454.184
4)	L1 AR-1016-2	5.671	4.893	45074776	40451559	421.292	460.780
5)	L1 AR-1016-3	5.733	5.070	27248751	21920830	415.599	459.995
6)	L1 AR-1016-4	5.830	5.112	23067761	17567534	433.035	461.753
7)	L1 AR-1016-5	6.122	5.326	20067188	22417364	410.295	449.927
31)	L7 AR-1260-1	7.240	6.357	41519126	39792726	443.605	498.945
32)	L7 AR-1260-2	7.494	6.545	63654247	48368384	443.615	476.901
33)	L7 AR-1260-3	7.852	6.698	44389099	44029065	389.820	506.650 #
34)	L7 AR-1260-4	8.076	7.168	44603324	32204867	415.678	446.726
35)	L7 AR-1260-5	8.394	7.410	98148974	76858820	414.722	442.674

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

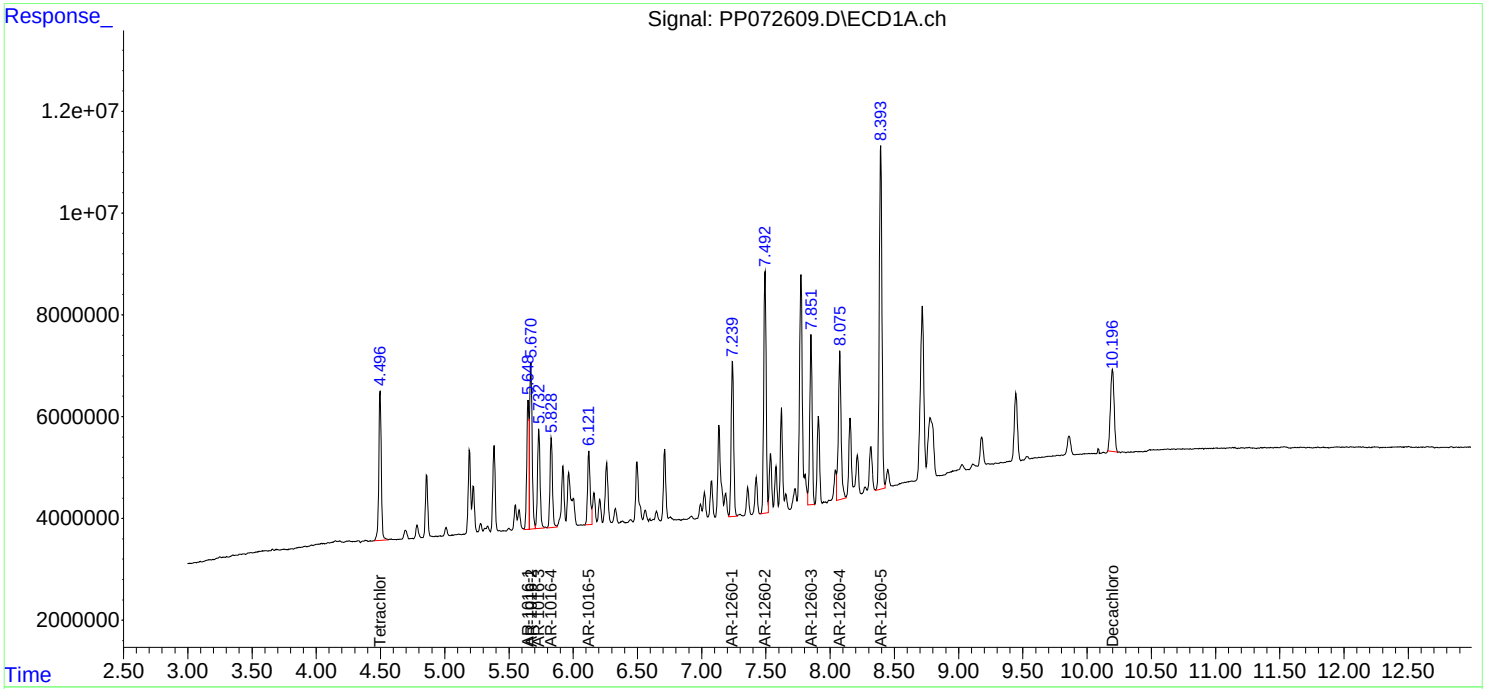
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:16
Operator : YP\AJ
Sample : PB168257BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

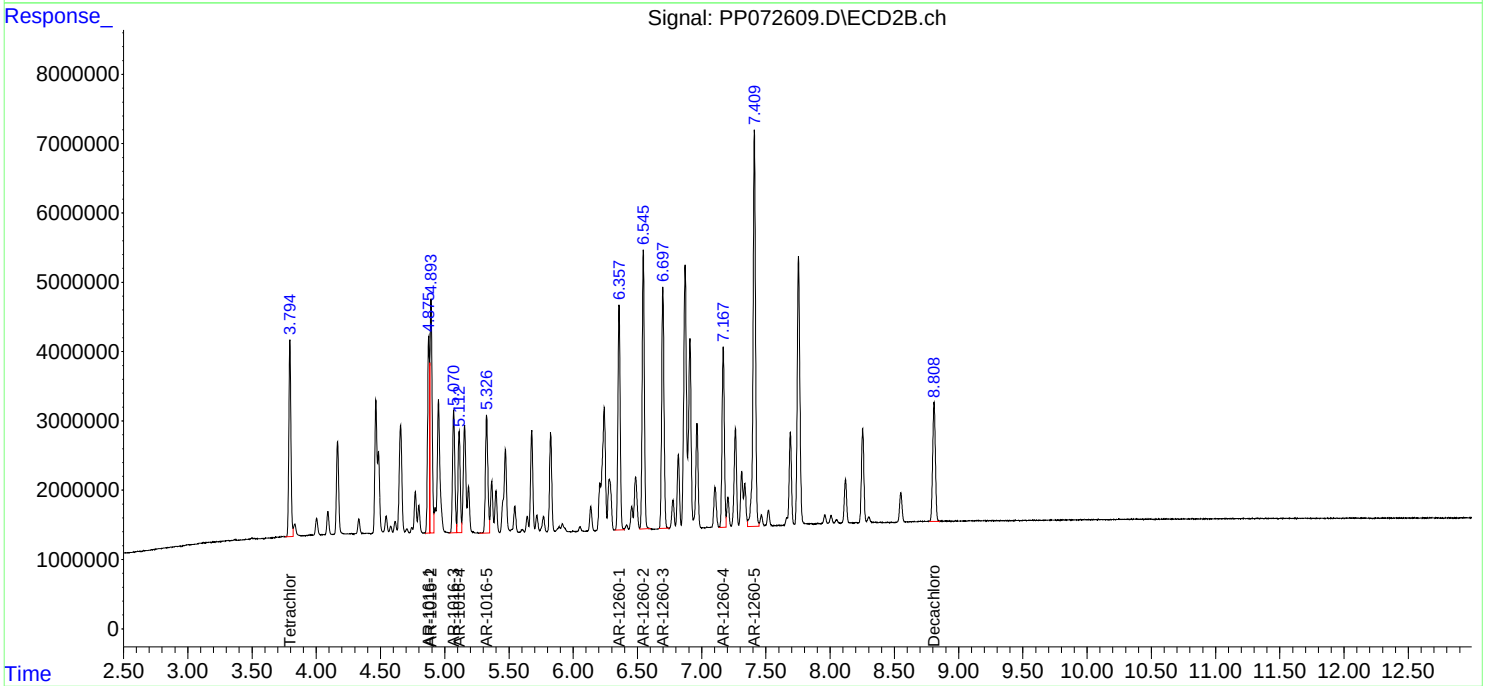
Instrument :
ECD_P
ClientSampleId :
PB168257BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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\PP060425\
Data File : PP072610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:32
Operator : YP\AJ
Sample : PB168257BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168257BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.497	3.794	38701037	31628676	19.247	19.788
2)	SA Decachlor...	10.192	8.808	33798703	24838461	20.747m	23.463m
	Target Compounds						
3)	L1 AR-1016-1	5.648	4.875	29246859	27701825	389.524	450.953
4)	L1 AR-1016-2	5.670	4.893	44940217	40358434	420.035	459.719
5)	L1 AR-1016-3	5.732	5.070	26981681	22054662	411.526	462.803
6)	L1 AR-1016-4	5.830	5.111	23069880	17644069	433.075	463.764
7)	L1 AR-1016-5	6.122	5.325	20137353	22319482	411.729	447.963
31)	L7 AR-1260-1	7.239	6.357	41146762	39087056	439.627	490.097
32)	L7 AR-1260-2	7.492	6.546	63445621	47075370	442.161	464.153
33)	L7 AR-1260-3	7.851	6.698	43022545	42653929	377.819	490.826 #
34)	L7 AR-1260-4	8.074	7.168	43595182	31847198	406.283	441.764
35)	L7 AR-1260-5	8.393	7.410	98485975	76229564	416.146	439.050

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

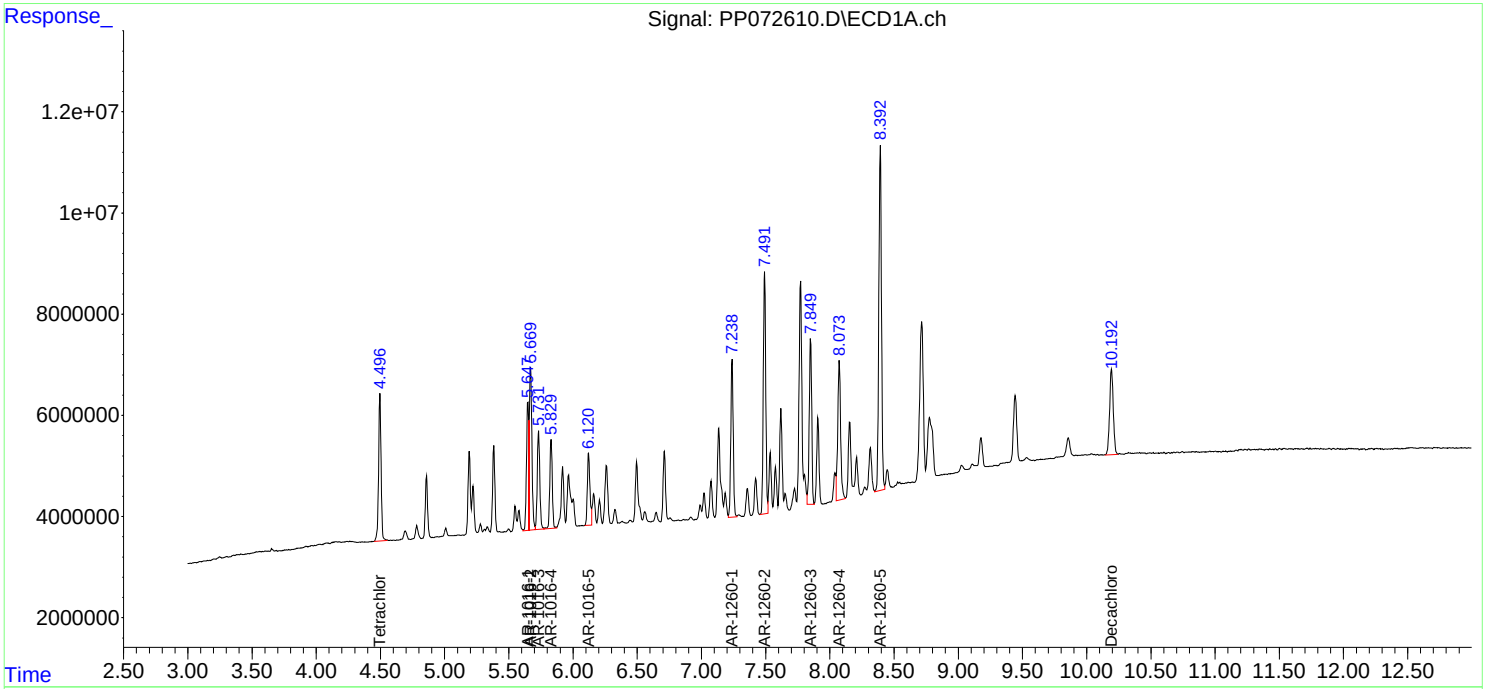
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:32
Operator : YP\AJ
Sample : PB168257BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

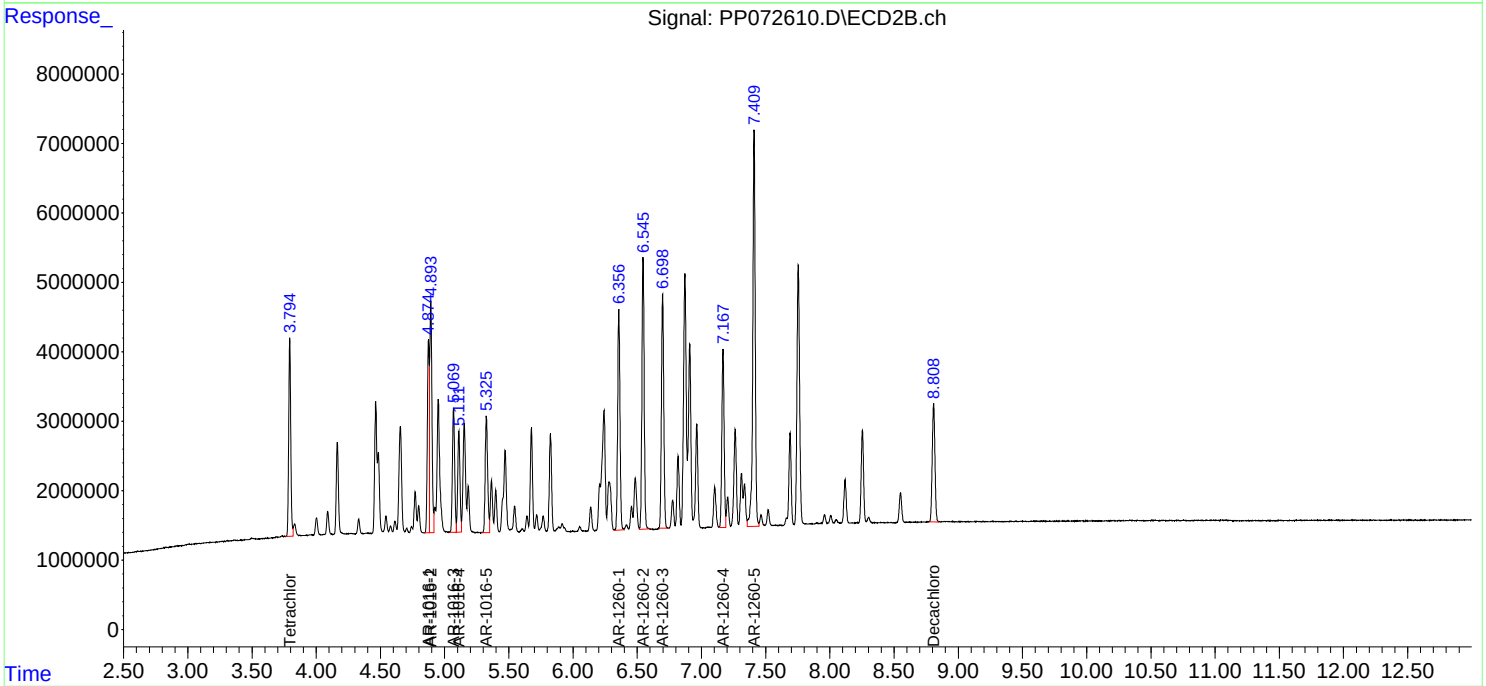
Instrument :
ECD_P
ClientSampleId :
PB168257BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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\PP060325\
Data File : PP072574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:53
Operator : YP\AJ
Sample : Q2176-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.500	3.796	42938767	35678486	21.354	22.322
2) SA	Decachlor...	10.199	8.811	31510912	23545456	19.342	22.242
	Target Compounds						
3) L1	AR-1016-1	5.652	4.877	28825899	27777887	383.917	452.191
4) L1	AR-1016-2	5.673	4.895	44352765	40225056	414.544	458.200
5) L1	AR-1016-3	5.735	5.071	26722687	22156711	407.576	464.945
6) L1	AR-1016-4	5.832	5.113	22584646	17536778	423.966	460.944
7) L1	AR-1016-5	6.125	5.327	19684210	22168214	402.464	444.927
31) L7	AR-1260-1	7.242	6.358	40815170	38604907	436.084	484.051
32) L7	AR-1260-2	7.495	6.548	55452283	44674886	386.455	440.484
33) L7	AR-1260-3	7.854	6.700	38576087	40361306	338.771	464.444 #
34) L7	AR-1260-4	8.076	7.170	40162071	29309317	374.288m	406.560
35) L7	AR-1260-5	8.396	7.412	86378600	68250798	364.987	393.095

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

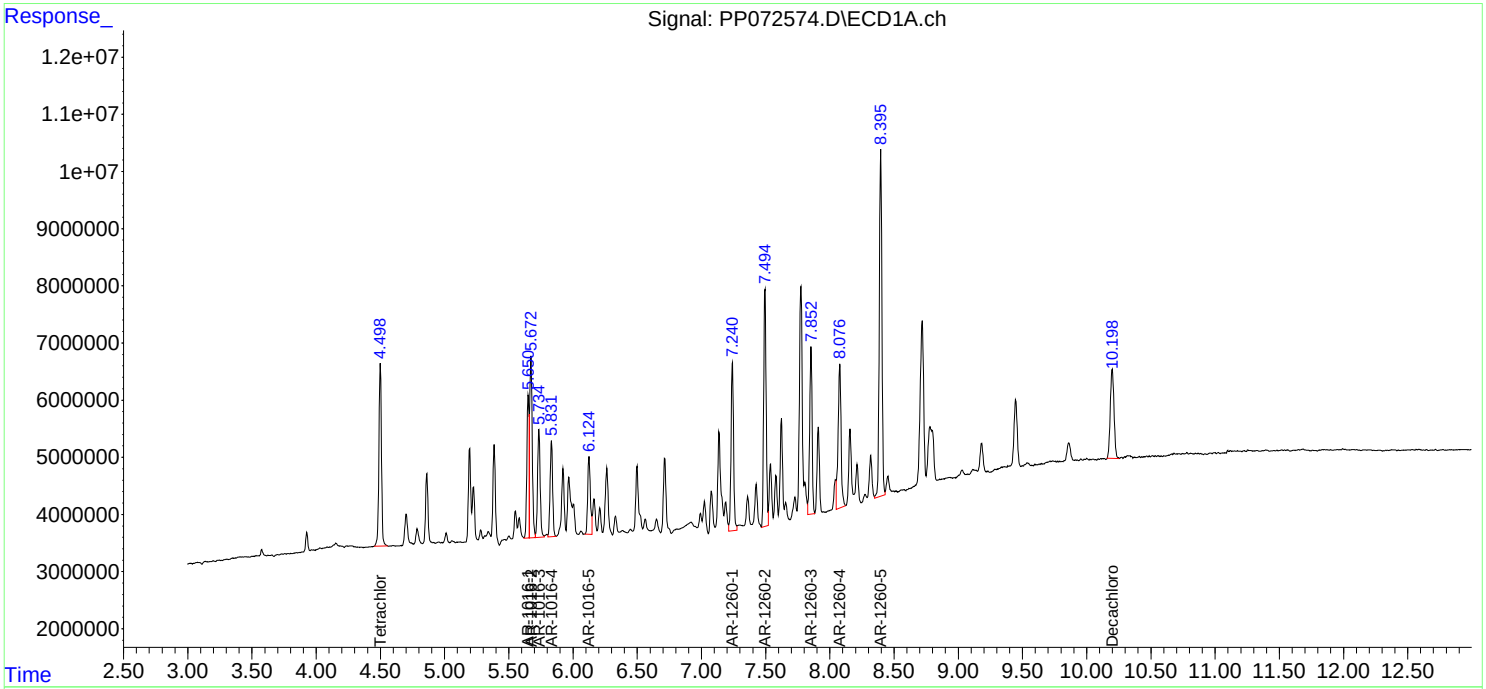
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:53
Operator : YP\AJ
Sample : Q2176-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

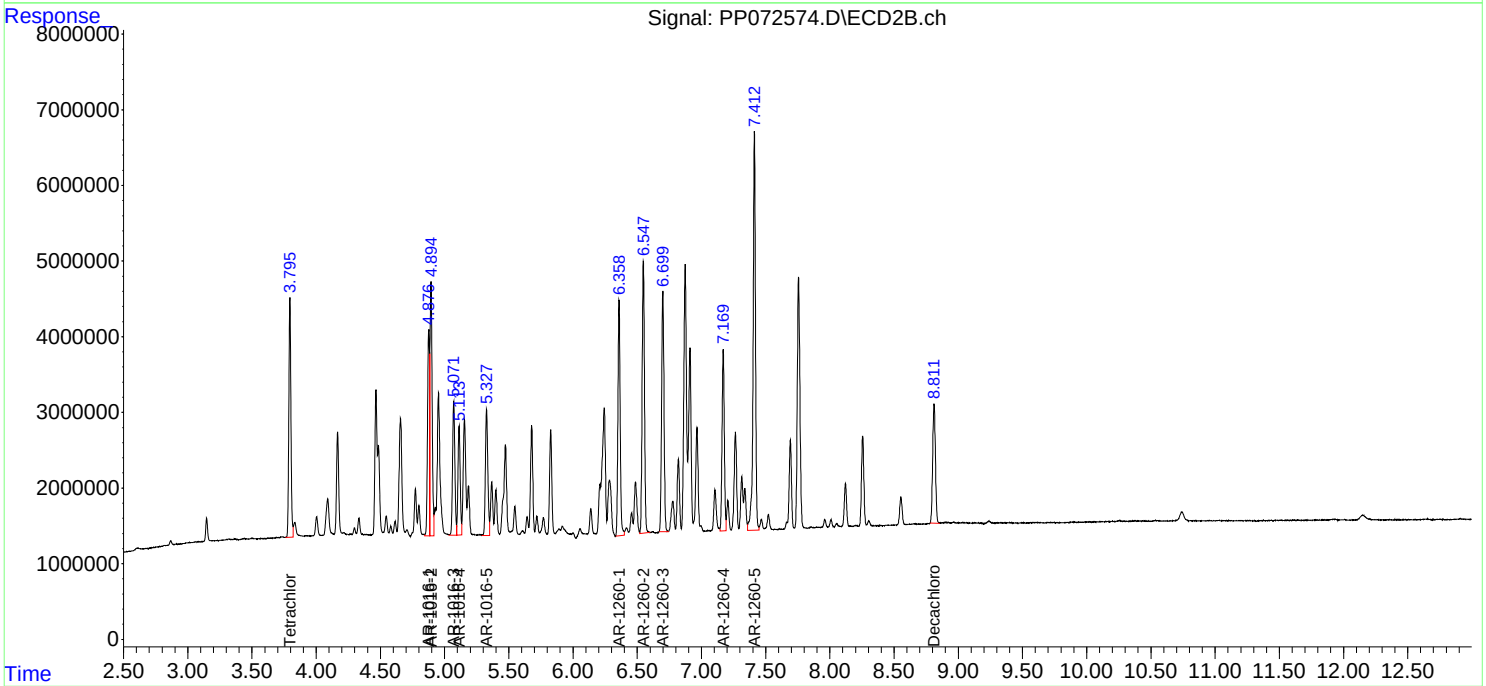
Instrument :
ECD_P
ClientSampleId :
TP-28MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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\PP060325\
Data File : PP072575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:10
Operator : YP\AJ
Sample : Q2176-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.502	3.794	37735552	31385086	18.766	19.636	
2)	SA Decachlor...	10.203	8.810	26215247	20442283	16.092	19.311	
	Target Compounds							
3)	L1 AR-1016-1	5.654	4.876	24724546	23536824	329.293	383.152	
4)	L1 AR-1016-2	5.676	4.894	37697059	33902035	352.336	386.175	
5)	L1 AR-1016-3	5.737	5.071	22925229	18698284	349.657	392.372	
6)	L1 AR-1016-4	5.835	5.113	19769235	14909186	371.114	391.880	
7)	L1 AR-1016-5	6.127	5.326	16817630	18849701	343.854	378.322	
31)	L7 AR-1260-1	7.245	6.359	33386865	33419493	356.717	419.034	
32)	L7 AR-1260-2	7.498	6.547	46848180	38518220	326.492	379.781	
33)	L7 AR-1260-3	7.857	6.699	32955315	34909171	289.410	401.706	#
34)	L7 AR-1260-4	8.081	7.169	34132244	25393700	318.093	352.245	
35)	L7 AR-1260-5	8.399	7.411	72265990	59000738	305.355	339.819	

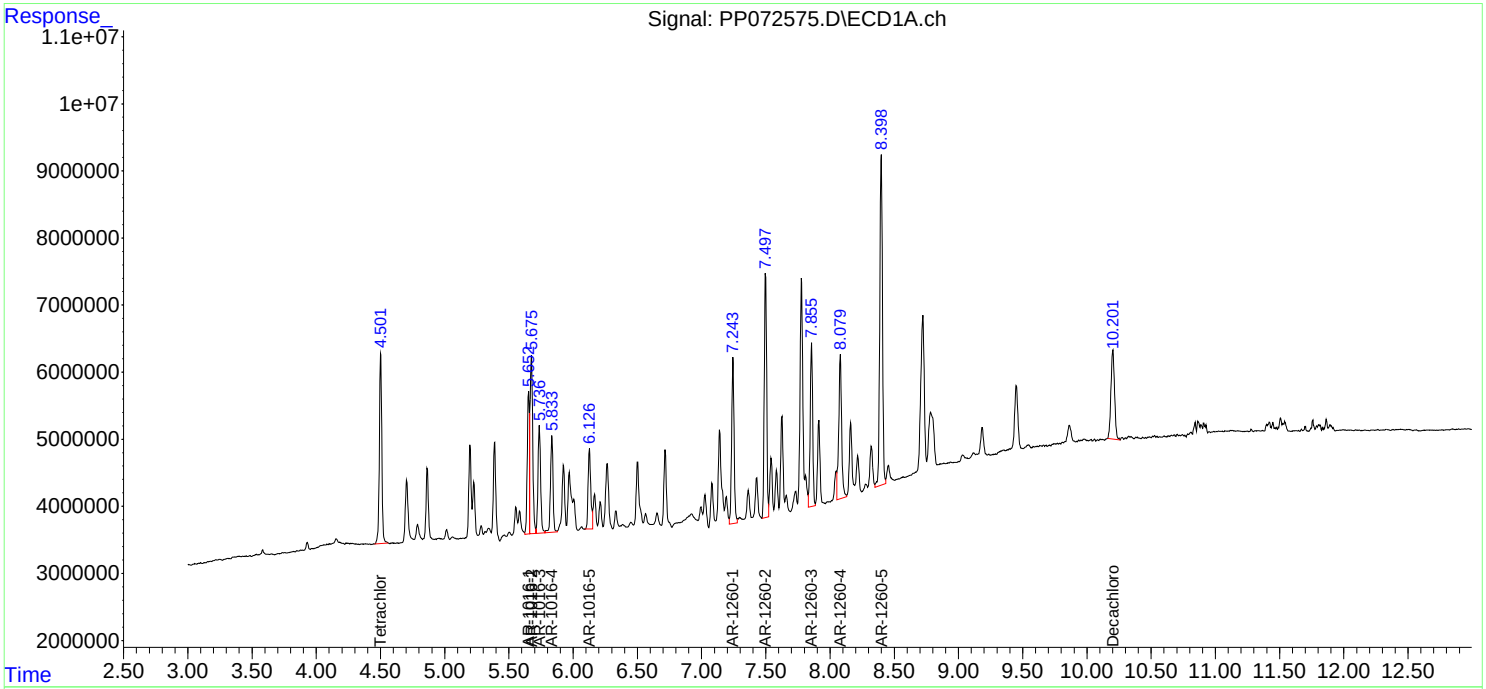
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

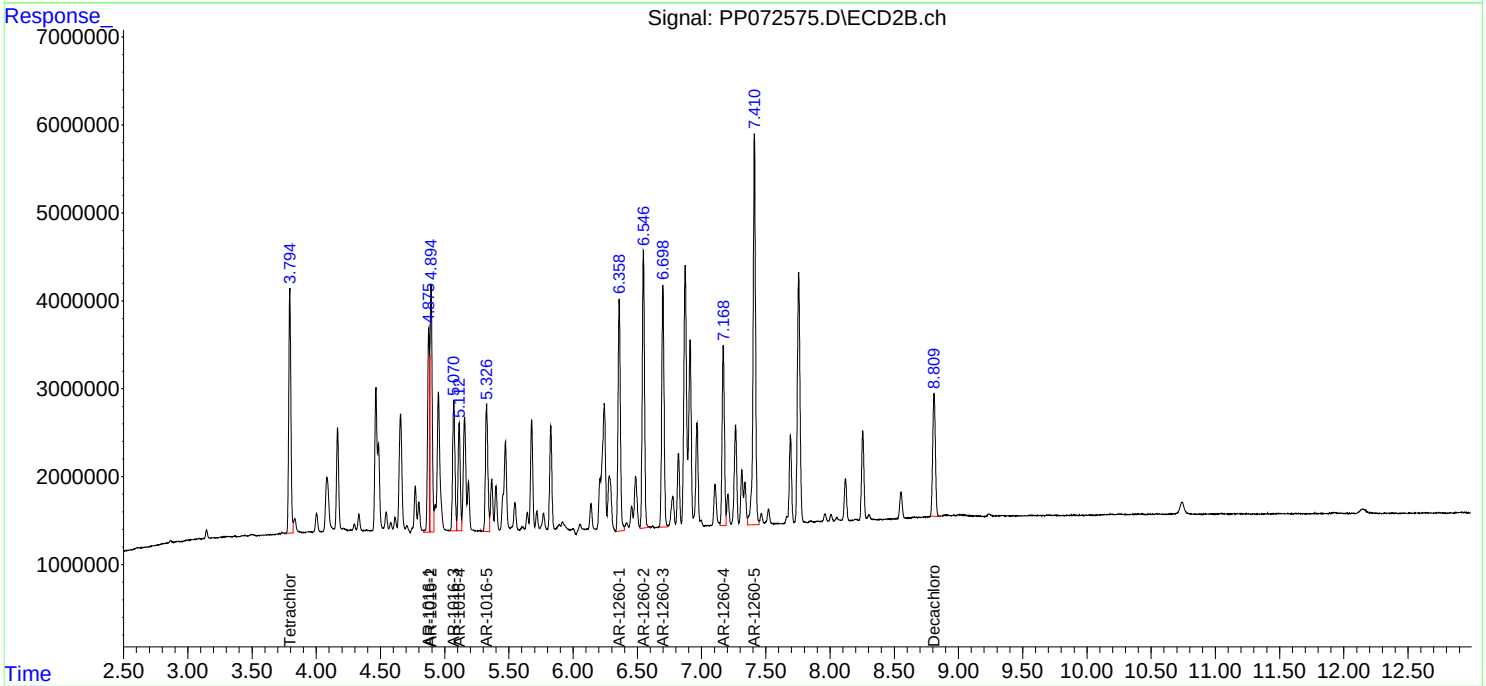
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:10
Operator : YP\AJ
Sample : Q2176-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PO051525	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO111059.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:11 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC250	PO111061.D	AR-1016-3	yogesh	5/15/2025 7:37:15 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-1	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO111418.D	AR-1016-1	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-2	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-3	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-4	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-5	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	Decachlorobiphenyl	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	AR-1242-3	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	AR-1242-3 #2	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	Decachlorobiphenyl	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111420.D	AR-1248-3	yogesh	6/4/2025 7:49:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111420.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111421.D	AR-1254-1	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111421.D	AR-1254-2	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111421.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111422.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:20 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111422.D	Tetrachloro-m-xylene #2	yogesh	6/4/2025 7:49:20 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-1	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-2	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-3	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-5	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111434.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:43 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111435.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:45 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111436.D	AR-1254-1	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111436.D	AR-1254-2	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111436.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111437.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:48 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-1	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-3	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-5	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-5 #2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111448.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:07 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111448.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:07 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	AR-1248-3	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PO111449.D	AR-1248-4 #2	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-1	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-2	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-3	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111451.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111451.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072553.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072553.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072568.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072568.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072569.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:09 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072572.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:14 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-05MS	PP072574.D	AR-1260-4	yogesh	6/4/2025 7:43:16 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-02	PP072579.D	Tetrachloro-m-xylene	yogesh	6/4/2025 7:43:52 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-04	PP072580.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:54 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-04	PP072580.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:54 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-06	PP072581.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-06	PP072581.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-06	PP072581.D	Tetrachloro-m-xylene	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072584.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072584.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168257BL	PP072590.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168257BL	PP072590.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072598.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072598.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072600.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072600.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072604.D	AR-1260-3 #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072604.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072604.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072605.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:32 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072606.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072606.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072607.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072607.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072608.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:37 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BS	PP072609.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BSD	PP072610.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BSD	PP072610.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168252BS	PP072614.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:22 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072619.D	AR-1260-3 #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072619.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072619.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072620.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:38 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072638.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP072638.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	AR-1260-3 #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p

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

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111056.D	14 May 2025 16:43	YP/AJ	Ok
2	I.BLK	PO111057.D	14 May 2025 17:01	YP/AJ	Ok
3	AR1660ICC1000	PO111058.D	14 May 2025 17:19	YP/AJ	Ok
4	AR1660ICC750	PO111059.D	14 May 2025 17:38	YP/AJ	Ok,M
5	AR1660ICC500	PO111060.D	14 May 2025 17:56	YP/AJ	Ok
6	AR1660ICC250	PO111061.D	14 May 2025 18:15	YP/AJ	Ok,M
7	AR1660ICC050	PO111062.D	14 May 2025 18:33	YP/AJ	Ok,M
8	AR1221ICC500	PO111063.D	14 May 2025 18:51	YP/AJ	Ok
9	AR1232ICC500	PO111064.D	14 May 2025 19:10	YP/AJ	Ok
10	AR1242ICC1000	PO111065.D	14 May 2025 19:28	YP/AJ	Ok
11	AR1242ICC750	PO111066.D	14 May 2025 19:46	YP/AJ	Ok
12	AR1242ICC500	PO111067.D	14 May 2025 20:05	YP/AJ	Ok
13	AR1242ICC250	PO111068.D	14 May 2025 20:23	YP/AJ	Ok
14	AR1242ICC050	PO111069.D	14 May 2025 20:41	YP/AJ	Ok
15	AR1248ICC1000	PO111070.D	14 May 2025 21:00	YP/AJ	Ok
16	AR1248ICC750	PO111071.D	14 May 2025 21:18	YP/AJ	Ok
17	AR1248ICC500	PO111072.D	14 May 2025 21:37	YP/AJ	Ok
18	AR1248ICC250	PO111073.D	14 May 2025 21:54	YP/AJ	Ok
19	AR1248ICC050	PO111074.D	14 May 2025 22:12	YP/AJ	Ok
20	AR1254ICC1000	PO111075.D	14 May 2025 22:31	YP/AJ	Ok
21	AR1254ICC750	PO111076.D	14 May 2025 22:49	YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO111077.D	14 May 2025 23:06	YP/AJ	Ok
23	AR1254ICC250	PO111078.D	14 May 2025 23:25	YP/AJ	Ok
24	AR1254ICC050	PO111079.D	14 May 2025 23:43	YP/AJ	Ok
25	AR1262ICC500	PO111080.D	15 May 2025 00:01	YP/AJ	Ok
26	AR1268ICC1000	PO111081.D	15 May 2025 00:19	YP/AJ	Ok
27	AR1268ICC750	PO111082.D	15 May 2025 00:37	YP/AJ	Ok
28	AR1268ICC500	PO111083.D	15 May 2025 00:56	YP/AJ	Ok
29	AR1268ICC250	PO111084.D	15 May 2025 01:14	YP/AJ	Ok
30	AR1268ICC050	PO111085.D	15 May 2025 01:31	YP/AJ	Ok
31	PO051525ICV500	PO111086.D	15 May 2025 01:50	YP/AJ	Ok
32	AR1242ICV500	PO111087.D	15 May 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO111088.D	15 May 2025 03:03	YP/AJ	Ok
34	AR1254ICV500	PO111089.D	15 May 2025 03:40	YP/AJ	Ok
35	AR1268ICV500	PO111090.D	15 May 2025 04:17	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM		
SubDirectory	PO060325	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111417.D	03 Jun 2025 08:55	YP/AJ	Ok
2	AR1660CCC500	PO111418.D	03 Jun 2025 09:14	YP/AJ	Ok,M
3	AR1242CCC500	PO111419.D	03 Jun 2025 09:32	YP/AJ	Ok,M
4	AR1248CCC500	PO111420.D	03 Jun 2025 09:50	YP/AJ	Ok,M
5	AR1254CCC500	PO111421.D	03 Jun 2025 10:09	YP/AJ	Ok,M
6	I.BLK	PO111422.D	03 Jun 2025 10:27	YP/AJ	Ok,M
7	PB168228BL	PO111423.D	03 Jun 2025 10:46	YP/AJ	Not Ok
8	Q2166-01	PO111424.D	03 Jun 2025 11:04	YP/AJ	Not Ok
9	PB168251BL	PO111425.D	03 Jun 2025 13:20	YP/AJ	Ok,M
10	PB168251BS	PO111426.D	03 Jun 2025 13:39	YP/AJ	Ok,M
11	Q2183-01	PO111427.D	03 Jun 2025 13:57	YP/AJ	Ok,M
12	Q2183-02	PO111428.D	03 Jun 2025 14:15	YP/AJ	Ok,M
13	Q2183-03	PO111429.D	03 Jun 2025 14:34	YP/AJ	Ok,M
14	Q2183-04	PO111430.D	03 Jun 2025 14:52	YP/AJ	Ok,M
15	Q2183-05	PO111431.D	03 Jun 2025 15:10	YP/AJ	Ok,M
16	Q2183-06	PO111432.D	03 Jun 2025 15:29	YP/AJ	Ok,M
17	AR1660CCC500	PO111433.D	03 Jun 2025 16:42	YP/AJ	Ok,M
18	AR1242CCC500	PO111434.D	03 Jun 2025 17:19	YP/AJ	Ok,M
19	AR1248CCC500	PO111435.D	03 Jun 2025 17:37	YP/AJ	Ok,M
20	AR1254CCC500	PO111436.D	03 Jun 2025 17:56	YP/AJ	Ok,M
21	I.BLK	PO111437.D	03 Jun 2025 18:14	YP/AJ	Ok,M

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM		
SubDirectory	PO060325	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2183-07	PO111438.D	03 Jun 2025 18:32	YP/AJ	Ok,M
23	Q2183-08	PO111439.D	03 Jun 2025 18:51	YP/AJ	Ok,M
24	Q2184-01	PO111440.D	03 Jun 2025 19:09	YP/AJ	Ok
25	Q2184-02	PO111441.D	03 Jun 2025 19:27	YP/AJ	Ok,M
26	Q2184-03	PO111442.D	03 Jun 2025 19:46	YP/AJ	Ok,M
27	Q2184-04	PO111443.D	03 Jun 2025 20:04	YP/AJ	Ok,M
28	Q2175-06	PO111444.D	03 Jun 2025 20:22	YP/AJ	ReRun
29	Q2177-08	PO111445.D	03 Jun 2025 20:41	YP/AJ	Ok
30	Q2170-01	PO111446.D	03 Jun 2025 20:59	YP/AJ	Ok,M
31	AR1660CCC500	PO111447.D	03 Jun 2025 22:13	YP/AJ	Ok,M
32	AR1242CCC500	PO111448.D	03 Jun 2025 22:49	YP/AJ	Ok,M
33	AR1248CCC500	PO111449.D	03 Jun 2025 23:08	YP/AJ	Ok,M
34	AR1254CCC500	PO111450.D	03 Jun 2025 23:26	YP/AJ	Ok,M
35	I.BLK	PO111451.D	03 Jun 2025 23:44	YP/AJ	Ok,M

M : Manual Integration

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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072552.D	03 Jun 2025 10:06	YP\AJ	Ok
2	AR1660CCC500	PP072553.D	03 Jun 2025 10:22	YP\AJ	Ok,M
3	AR1242CCC500	PP072554.D	03 Jun 2025 10:39	YP\AJ	Ok,M
4	AR1248CCC500	PP072555.D	03 Jun 2025 10:55	YP\AJ	Ok,M
5	AR1254CCC500	PP072556.D	03 Jun 2025 11:11	YP\AJ	Ok,M
6	I.BLK	PP072557.D	03 Jun 2025 11:27	YP\AJ	Ok,M
7	PB168252BL	PP072558.D	03 Jun 2025 13:28	YP\AJ	Ok,M
8	PB168252BS	PP072559.D	03 Jun 2025 13:44	YP\AJ	Not Ok
9	Q2168-01	PP072560.D	03 Jun 2025 14:00	YP\AJ	Dilution
10	Q2168-05	PP072561.D	03 Jun 2025 14:16	YP\AJ	Dilution
11	Q2168-09	PP072562.D	03 Jun 2025 14:33	YP\AJ	Dilution
12	Q2175-01	PP072563.D	03 Jun 2025 14:49	YP\AJ	Not Ok
13	Q2176-01	PP072564.D	03 Jun 2025 15:05	YP\AJ	Not Ok
14	Q2176-02	PP072565.D	03 Jun 2025 15:22	YP\AJ	Not Ok
15	Q2176-03	PP072566.D	03 Jun 2025 15:38	YP\AJ	Not Ok
16	Q2176-04	PP072567.D	03 Jun 2025 15:54	YP\AJ	Ok,M
17	AR1660CCC500	PP072568.D	03 Jun 2025 16:59	YP\AJ	Ok,M
18	AR1242CCC500	PP072569.D	03 Jun 2025 17:32	YP\AJ	Ok,M
19	AR1248CCC500	PP072570.D	03 Jun 2025 17:48	YP\AJ	Ok,M
20	AR1254CCC500	PP072571.D	03 Jun 2025 18:05	YP\AJ	Ok,M
21	I.BLK	PP072572.D	03 Jun 2025 18:21	YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2176-05	PP072573.D	03 Jun 2025 18:37	YP\AJ	Ok
23	Q2176-05MS	PP072574.D	03 Jun 2025 18:53	YP\AJ	Ok,M
24	Q2176-05MSD	PP072575.D	03 Jun 2025 19:10	YP\AJ	Ok
25	Q2176-06	PP072576.D	03 Jun 2025 19:26	YP\AJ	Ok,M
26	Q2176-07	PP072577.D	03 Jun 2025 19:42	YP\AJ	Ok
27	Q2176-08	PP072578.D	03 Jun 2025 19:59	YP\AJ	Ok
28	Q2177-02	PP072579.D	03 Jun 2025 20:15	YP\AJ	Ok,M
29	Q2177-04	PP072580.D	03 Jun 2025 20:31	YP\AJ	Ok,M
30	Q2177-06	PP072581.D	03 Jun 2025 20:48	YP\AJ	Ok,M
31	Q2178-01	PP072582.D	03 Jun 2025 21:04	YP\AJ	Ok,M
32	AR1660CCC500	PP072583.D	03 Jun 2025 22:25	YP\AJ	Ok,M
33	AR1242CCC500	PP072584.D	03 Jun 2025 22:58	YP\AJ	Ok,M
34	AR1248CCC500	PP072585.D	03 Jun 2025 23:14	YP\AJ	Ok,M
35	AR1254CCC500	PP072586.D	03 Jun 2025 23:30	YP\AJ	Ok,M
36	I.BLK	PP072587.D	03 Jun 2025 23:47	YP\AJ	Ok,M
37	Q2185-01	PP072588.D	04 Jun 2025 00:03	YP\AJ	Ok,M
38	Q2185-05	PP072589.D	04 Jun 2025 00:19	YP\AJ	Ok,M
39	PB168257BL	PP072590.D	04 Jun 2025 00:35	YP\AJ	Ok,M
40	PB168257BS	PP072591.D	04 Jun 2025 00:52	YP\AJ	Not Ok
41	PB168257BSD	PP072592.D	04 Jun 2025 01:08	YP\AJ	Not Ok
42	Q2165-03	PP072593.D	04 Jun 2025 01:24	YP\AJ	Ok,M
43	Q2165-06	PP072594.D	04 Jun 2025 01:40	YP\AJ	Ok,M
44	Q2169-01	PP072595.D	04 Jun 2025 01:57	YP\AJ	Ok,M

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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2169-03	PP072596.D	04 Jun 2025 02:13	YP\AJ	Ok,M
46	Q2175-04	PP072597.D	04 Jun 2025 02:29	YP\AJ	Ok,M
47	AR1660CCC500	PP072598.D	04 Jun 2025 03:51	YP\AJ	Ok,M
48	AR1242CCC500	PP072599.D	04 Jun 2025 04:23	YP\AJ	Ok,M
49	AR1248CCC500	PP072600.D	04 Jun 2025 04:40	YP\AJ	Ok,M
50	AR1254CCC500	PP072601.D	04 Jun 2025 04:56	YP\AJ	Ok,M
51	I.BLK	PP072602.D	04 Jun 2025 05:12	YP\AJ	Ok,M

M : Manual Integration

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 # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072603.D	04 Jun 2025 08:34	YP\AJ	Ok
2	AR1660CCC500	PP072604.D	04 Jun 2025 08:50	YP\AJ	Ok,M
3	AR1242CCC500	PP072605.D	04 Jun 2025 09:11	YP\AJ	Ok,M
4	AR1248CCC500	PP072606.D	04 Jun 2025 09:27	YP\AJ	Ok,M
5	AR1254CCC500	PP072607.D	04 Jun 2025 09:43	YP\AJ	Ok,M
6	I.BLK	PP072608.D	04 Jun 2025 10:00	YP\AJ	Ok,M
7	PB168257BS	PP072609.D	04 Jun 2025 10:16	YP\AJ	Ok,M
8	PB168257BSD	PP072610.D	04 Jun 2025 10:32	YP\AJ	Ok,M
9	Q2168-01DL	PP072611.D	04 Jun 2025 10:48	YP\AJ	Ok
10	Q2168-05DL	PP072612.D	04 Jun 2025 11:04	YP\AJ	Ok
11	Q2168-09DL	PP072613.D	04 Jun 2025 11:21	YP\AJ	Ok
12	PB168252BS	PP072614.D	04 Jun 2025 11:37	YP\AJ	Ok,M
13	PB168275BL	PP072615.D	04 Jun 2025 12:55	YP\AJ	Ok
14	PB168275BS	PP072616.D	04 Jun 2025 13:12	YP\AJ	Not Ok
15	Q2167-01	PP072617.D	04 Jun 2025 13:28	YP\AJ	ReRun
16	Q2171-01	PP072618.D	04 Jun 2025 13:45	YP\AJ	Dilution
17	AR1660CCC500	PP072619.D	04 Jun 2025 14:51	YP\AJ	Ok,M
18	AR1242CCC500	PP072620.D	04 Jun 2025 15:07	YP\AJ	Ok,M
19	AR1248CCC500	PP072621.D	04 Jun 2025 15:23	YP\AJ	Ok,M
20	AR1254CCC500	PP072622.D	04 Jun 2025 15:40	YP\AJ	Ok,M
21	I.BLK	PP072623.D	04 Jun 2025 15:56	YP\AJ	Ok

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 # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168288BL	PP072624.D	04 Jun 2025 16:13	YP\AJ	Ok,M
23	PB168288BS	PP072625.D	04 Jun 2025 16:29	YP\AJ	Not Ok
24	Q2182-01	PP072626.D	04 Jun 2025 16:45	YP\AJ	Ok,M
25	Q2192-01	PP072627.D	04 Jun 2025 17:02	YP\AJ	Dilution
26	Q2194-01	PP072628.D	04 Jun 2025 17:18	YP\AJ	Ok
27	Q2194-03	PP072629.D	04 Jun 2025 17:34	YP\AJ	Ok
28	Q2195-01	PP072630.D	04 Jun 2025 17:51	YP\AJ	Ok,M
29	Q2195-01MS	PP072631.D	04 Jun 2025 18:07	YP\AJ	Ok,M
30	Q2195-01MSD	PP072632.D	04 Jun 2025 18:23	YP\AJ	Ok,M
31	Q2198-01	PP072633.D	04 Jun 2025 18:40	YP\AJ	Ok,M
32	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	YP\AJ	Ok
33	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	YP\AJ	Ok
34	AR1248CCC500	PP072636.D	04 Jun 2025 20:34	YP\AJ	Ok,M
35	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	YP\AJ	Ok,M
36	I.BLK	PP072638.D	04 Jun 2025 21:07	YP\AJ	Ok,M
37	Q2175-09	PP072639.D	04 Jun 2025 21:23	YP\AJ	ReRun
38	Q2171-01DL	PP072640.D	04 Jun 2025 21:39	YP\AJ	Ok,M
39	AR1660CCC500	PP072641.D	04 Jun 2025 22:45	YP\AJ	Ok,M
40	AR1242CCC500	PP072642.D	04 Jun 2025 23:17	YP\AJ	Ok,M
41	AR1248CCC500	PP072643.D	04 Jun 2025 23:34	YP\AJ	Ok,M
42	AR1254CCC500	PP072644.D	04 Jun 2025 23:50	YP\AJ	Ok,M
43	I.BLK	PP072645.D	05 Jun 2025 00:06	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO111056.D	14 May 2025 16:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO111057.D	14 May 2025 17:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO111058.D	14 May 2025 17:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO111059.D	14 May 2025 17:38		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO111060.D	14 May 2025 17:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO111061.D	14 May 2025 18:15		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO111062.D	14 May 2025 18:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO111063.D	14 May 2025 18:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO111064.D	14 May 2025 19:10		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO111065.D	14 May 2025 19:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO111066.D	14 May 2025 19:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO111067.D	14 May 2025 20:05		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO111068.D	14 May 2025 20:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO111069.D	14 May 2025 20:41		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO111070.D	14 May 2025 21:00		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO111071.D	14 May 2025 21:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO111072.D	14 May 2025 21:37		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO111073.D	14 May 2025 21:54		YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM		
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM		
SubDirectory	PO051525	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO111074.D	14 May 2025 22:12		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO111075.D	14 May 2025 22:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO111076.D	14 May 2025 22:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO111077.D	14 May 2025 23:06		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO111078.D	14 May 2025 23:25		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO111079.D	14 May 2025 23:43		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO111080.D	15 May 2025 00:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO111081.D	15 May 2025 00:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO111082.D	15 May 2025 00:37		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO111083.D	15 May 2025 00:56		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO111084.D	15 May 2025 01:14		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO111085.D	15 May 2025 01:31		YP/AJ	Ok
31	PO051525ICV500	ICVPO051525	PO111086.D	15 May 2025 01:50		YP/AJ	Ok
32	AR1242ICV500	ICVPO051525AR1242	PO111087.D	15 May 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO051525AR1248	PO111088.D	15 May 2025 03:03		YP/AJ	Ok
34	AR1254ICV500	ICVPO051525AR1254	PO111089.D	15 May 2025 03:40		YP/AJ	Ok
35	AR1268ICV500	ICVPO051525AR1268	PO111090.D	15 May 2025 04:17		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM		
SubDirectory	PO060325	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO111417.D	03 Jun 2025 08:55		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111418.D	03 Jun 2025 09:14		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO111419.D	03 Jun 2025 09:32		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO111420.D	03 Jun 2025 09:50		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO111421.D	03 Jun 2025 10:09		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO111422.D	03 Jun 2025 10:27		YP/AJ	Ok,M
7	PB168228BL	PB168228BL	PO111423.D	03 Jun 2025 10:46	Already run	YP/AJ	Not Ok
8	Q2166-01	1	PO111424.D	03 Jun 2025 11:04	Already run	YP/AJ	Not Ok
9	PB168251BL	PB168251BL	PO111425.D	03 Jun 2025 13:20		YP/AJ	Ok,M
10	PB168251BS	PB168251BS	PO111426.D	03 Jun 2025 13:39		YP/AJ	Ok,M
11	Q2183-01	BC205321-3-1	PO111427.D	03 Jun 2025 13:57	AR1254 Hit	YP/AJ	Ok,M
12	Q2183-02	BC205321-3-2	PO111428.D	03 Jun 2025 14:15	AR1254 Hit	YP/AJ	Ok,M
13	Q2183-03	BC205321-4-1	PO111429.D	03 Jun 2025 14:34		YP/AJ	Ok,M
14	Q2183-04	BC205321-4-2	PO111430.D	03 Jun 2025 14:52		YP/AJ	Ok,M
15	Q2183-05	BC205321-5-1	PO111431.D	03 Jun 2025 15:10		YP/AJ	Ok,M
16	Q2183-06	BC205321-5-2	PO111432.D	03 Jun 2025 15:29		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO111433.D	03 Jun 2025 16:42		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO111434.D	03 Jun 2025 17:19		YP/AJ	Ok,M

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM		
SubDirectory	PO060325	HP Acquire Method		HP Processing Method	PO051525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO111435.D	03 Jun 2025 17:37		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO111436.D	03 Jun 2025 17:56		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO111437.D	03 Jun 2025 18:14		YP/AJ	Ok,M
22	Q2183-07	BC205321-6-1	PO111438.D	03 Jun 2025 18:32		YP/AJ	Ok,M
23	Q2183-08	BC205321-6-2	PO111439.D	03 Jun 2025 18:51		YP/AJ	Ok,M
24	Q2184-01	245F54-1-1	PO111440.D	03 Jun 2025 19:09		YP/AJ	Ok
25	Q2184-02	245F54-1-2	PO111441.D	03 Jun 2025 19:27		YP/AJ	Ok,M
26	Q2184-03	BC226595-1-1	PO111442.D	03 Jun 2025 19:46		YP/AJ	Ok,M
27	Q2184-04	BC226595-1-2	PO111443.D	03 Jun 2025 20:04		YP/AJ	Ok,M
28	Q2175-06	EGR-LIQUID	PO111444.D	03 Jun 2025 20:22	All surrogate low	YP/AJ	ReRun
29	Q2177-08	EB05312025	PO111445.D	03 Jun 2025 20:41		YP/AJ	Ok
30	Q2170-01	51925-AQ	PO111446.D	03 Jun 2025 20:59		YP/AJ	Ok,M
31	AR1660CCC500	AR1660CCC500	PO111447.D	03 Jun 2025 22:13		YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO111448.D	03 Jun 2025 22:49		YP/AJ	Ok,M
33	AR1248CCC500	AR1248CCC500	PO111449.D	03 Jun 2025 23:08		YP/AJ	Ok,M
34	AR1254CCC500	AR1254CCC500	PO111450.D	03 Jun 2025 23:26		YP/AJ	Ok,M
35	I.BLK	I.BLK	PO111451.D	03 Jun 2025 23:44		YP/AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YP\AJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YP\AJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YP\AJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YP\AJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YP\AJ	Ok

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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072552.D	03 Jun 2025 10:06		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072553.D	03 Jun 2025 10:22		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072554.D	03 Jun 2025 10:39		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072555.D	03 Jun 2025 10:55		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072556.D	03 Jun 2025 11:11		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072557.D	03 Jun 2025 11:27		YP\AJ	Ok,M
7	PB168252BL	PB168252BL	PP072558.D	03 Jun 2025 13:28		YP\AJ	Ok,M
8	PB168252BS	PB168252BS	PP072559.D	03 Jun 2025 13:44	Recovery fail	YP\AJ	Not Ok
9	Q2168-01	SAN-A1-A3	PP072560.D	03 Jun 2025 14:00	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
10	Q2168-05	SAN-B1-B3	PP072561.D	03 Jun 2025 14:16	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
11	Q2168-09	SAN-C1-C2	PP072562.D	03 Jun 2025 14:33	AR1242 Hit,Need Dilution 100X	YP\AJ	Dilution
12	Q2175-01	32525	PP072563.D	03 Jun 2025 14:49	AR1242 Hit,carry over	YP\AJ	Not Ok
13	Q2176-01	TP-46	PP072564.D	03 Jun 2025 15:05	AR1242 Hit,carry over	YP\AJ	Not Ok
14	Q2176-02	TP-56	PP072565.D	03 Jun 2025 15:22	AR1242 Hit,carry over	YP\AJ	Not Ok
15	Q2176-03	TP-25	PP072566.D	03 Jun 2025 15:38	AR1260 Hit; possible carryover	YP\AJ	Not Ok
16	Q2176-04	TP-26	PP072567.D	03 Jun 2025 15:54		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072568.D	03 Jun 2025 16:59		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072569.D	03 Jun 2025 17:32		YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP072570.D	03 Jun 2025 17:48		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072571.D	03 Jun 2025 18:05		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072572.D	03 Jun 2025 18:21		YP\AJ	Ok,M
22	Q2176-05	TP-28	PP072573.D	03 Jun 2025 18:37		YP\AJ	Ok
23	Q2176-05MS	TP-28MS	PP072574.D	03 Jun 2025 18:53		YP\AJ	Ok,M
24	Q2176-05MSD	TP-28MSD	PP072575.D	03 Jun 2025 19:10		YP\AJ	Ok
25	Q2176-06	TP-27	PP072576.D	03 Jun 2025 19:26		YP\AJ	Ok,M
26	Q2176-07	TP-31	PP072577.D	03 Jun 2025 19:42		YP\AJ	Ok
27	Q2176-08	TP-65	PP072578.D	03 Jun 2025 19:59		YP\AJ	Ok
28	Q2177-02	B-187-SB01	PP072579.D	03 Jun 2025 20:15		YP\AJ	Ok,M
29	Q2177-04	B-187-SB02	PP072580.D	03 Jun 2025 20:31		YP\AJ	Ok,M
30	Q2177-06	B-202-SB01	PP072581.D	03 Jun 2025 20:48		YP\AJ	Ok,M
31	Q2178-01	RT2929	PP072582.D	03 Jun 2025 21:04		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072583.D	03 Jun 2025 22:25		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072584.D	03 Jun 2025 22:58		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072585.D	03 Jun 2025 23:14		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072586.D	03 Jun 2025 23:30		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072587.D	03 Jun 2025 23:47		YP\AJ	Ok,M
37	Q2185-01	TP02-MHB-WC	PP072588.D	04 Jun 2025 00:03		YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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 # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM		
SubDirectory	PP060325	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2185-05	TP01-MHA-WC	PP072589.D	04 Jun 2025 00:19		YP\AJ	Ok,M
39	PB168257BL	PB168257BL	PP072590.D	04 Jun 2025 00:35		YP\AJ	Ok,M
40	PB168257BS	PB168257BS	PP072591.D	04 Jun 2025 00:52	AR1016 recovery fail	YP\AJ	Not Ok
41	PB168257BSD	PB168257BSD	PP072592.D	04 Jun 2025 01:08	AR1016 recovery fail	YP\AJ	Not Ok
42	Q2165-03	TRE-25-63-64	PP072593.D	04 Jun 2025 01:24	AR1254 Hit	YP\AJ	Ok,M
43	Q2165-06	TRE-25-65-66	PP072594.D	04 Jun 2025 01:40		YP\AJ	Ok,M
44	Q2169-01	303-PPR-1	PP072595.D	04 Jun 2025 01:57	AR1254 Hit	YP\AJ	Ok,M
45	Q2169-03	303-PPR-2	PP072596.D	04 Jun 2025 02:13	AR1254 Hit	YP\AJ	Ok,M
46	Q2175-04	52525-A-B-COMP	PP072597.D	04 Jun 2025 02:29		YP\AJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PP072598.D	04 Jun 2025 03:51		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP072599.D	04 Jun 2025 04:23		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP072600.D	04 Jun 2025 04:40		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP072601.D	04 Jun 2025 04:56		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP072602.D	04 Jun 2025 05:12		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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 # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072603.D	04 Jun 2025 08:34		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072604.D	04 Jun 2025 08:50		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072605.D	04 Jun 2025 09:11		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072606.D	04 Jun 2025 09:27		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072607.D	04 Jun 2025 09:43		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072608.D	04 Jun 2025 10:00		YP\AJ	Ok,M
7	PB168257BS	PB168257BS	PP072609.D	04 Jun 2025 10:16		YP\AJ	Ok,M
8	PB168257BSD	PB168257BSD	PP072610.D	04 Jun 2025 10:32		YP\AJ	Ok,M
9	Q2168-01DL	SAN-A1-A3DL	PP072611.D	04 Jun 2025 10:48	AR1242 Hit	YP\AJ	Ok
10	Q2168-05DL	SAN-B1-B3DL	PP072612.D	04 Jun 2025 11:04	AR1242 Hit	YP\AJ	Ok
11	Q2168-09DL	SAN-C1-C2DL	PP072613.D	04 Jun 2025 11:21	AR1242 Hit	YP\AJ	Ok
12	PB168252BS	PB168252BS	PP072614.D	04 Jun 2025 11:37		YP\AJ	Ok,M
13	PB168275BL	PB168275BL	PP072615.D	04 Jun 2025 12:55		YP\AJ	Ok
14	PB168275BS	PB168275BS	PP072616.D	04 Jun 2025 13:12	AR1016 fail for recovery	YP\AJ	Not Ok
15	Q2167-01	52225	PP072617.D	04 Jun 2025 13:28	Surrogate fail, AR1242 Hit	YP\AJ	ReRun
16	Q2171-01	5-28-25-A	PP072618.D	04 Jun 2025 13:45	AR1242 Hit,Need Dilution, DCB high 2nd column	YP\AJ	Dilution
17	AR1660CCC500	AR1660CCC500	PP072619.D	04 Jun 2025 14:51		YP\AJ	Ok,M

Alliance TECHNICAL GROUP
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 # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	AR1242CCC500	AR1242CCC500	PP072620.D	04 Jun 2025 15:07		YP\AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP072621.D	04 Jun 2025 15:23		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072622.D	04 Jun 2025 15:40		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072623.D	04 Jun 2025 15:56		YP\AJ	Ok
22	PB168288BL	PB168288BL	PP072624.D	04 Jun 2025 16:13		YP\AJ	Ok,M
23	PB168288BS	PB168288BS	PP072625.D	04 Jun 2025 16:29	AR1016 fail for recovery	YP\AJ	Not Ok
24	Q2182-01	OR-03-06022025	PP072626.D	04 Jun 2025 16:45		YP\AJ	Ok,M
25	Q2192-01	SB-1	PP072627.D	04 Jun 2025 17:02	AR1260 + 1242 Hit , need 25X dilution	YP\AJ	Dilution
26	Q2194-01	COMP-12	PP072628.D	04 Jun 2025 17:18		YP\AJ	Ok
27	Q2194-03	COMP-13	PP072629.D	04 Jun 2025 17:34		YP\AJ	Ok
28	Q2195-01	OK-01-060325	PP072630.D	04 Jun 2025 17:51		YP\AJ	Ok,M
29	Q2195-01MS	OK-01-060325MS	PP072631.D	04 Jun 2025 18:07		YP\AJ	Ok,M
30	Q2195-01MSD	OK-01-060325MSD	PP072632.D	04 Jun 2025 18:23		YP\AJ	Ok,M
31	Q2198-01	B-202-SB02	PP072633.D	04 Jun 2025 18:40		YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	AR1016 - 1 low in 1st column , AR1260 - 2,4 low in 1st column	YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	AR1242 - 5 Low in 1st column	YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP072636.D	04 Jun 2025 20:34		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	AR1254 - 2,4 low in 1st column	YP\AJ	Ok,M
36	I.BLK	I.BLK	PP072638.D	04 Jun 2025 21:07		YP\AJ	Ok,M

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 # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM		
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM		
SubDirectory	PP060425	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2175-09	52725	PP072639.D	04 Jun 2025 21:23	AR1242 hit, DCB low in both column & TCMX low in 1st column	YP\AJ	ReRun
38	Q2171-01DL	5-28-25-ADL	PP072640.D	04 Jun 2025 21:39	AR1242 Hit	YP\AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PP072641.D	04 Jun 2025 22:45		YP\AJ	Ok,M
40	AR1242CCC500	AR1242CCC500	PP072642.D	04 Jun 2025 23:17		YP\AJ	Ok,M
41	AR1248CCC500	AR1248CCC500	PP072643.D	04 Jun 2025 23:34		YP\AJ	Ok,M
42	AR1254CCC500	AR1254CCC500	PP072644.D	04 Jun 2025 23:50		YP\AJ	Ok,M
43	I.BLK	I.BLK	PP072645.D	05 Jun 2025 00:06		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168252

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	06/03/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
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	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
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	EP2613
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723, Q2175-01 used Limited volume as sample is oily debris.

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
6/3/25	RS (Ext lab)	Y-P Pest HCB.
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168252

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168252BL	ABLK252	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168252BS	ALCS252	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2168-01	SAN-A1-A3	PCB	30.05	N/A	ritesh	Evelyn	10	B		3
Q2168-05	SAN-B1-B3	PCB	30.03	N/A	ritesh	Evelyn	10	B		4
Q2168-09	SAN-C1-C2	PCB	30.02	N/A	ritesh	Evelyn	10	B		5
Q2175-01	32525	PCB	5.09	N/A	ritesh	Evelyn	10	E	Oily Debris	6
Q2176-01	TP-46	PCB	30.06	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-02	TP-56	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-03	TP-25	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-04	TP-26	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
Q2176-05	TP-28	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q2176-05MS	TP-28MS	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2176-05MSD	TP-28MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		U3-1
Q2176-06	TP-27	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-07	TP-31	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-08	TP-65	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2177-02	B-187-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	F		6
Q2177-04	B-187-SB02	PCB	30.08	N/A	ritesh	Evelyn	10	F		U6-1
Q2177-06	B-202-SB01	PCB	30.02	N/A	ritesh	Evelyn	10	F		2
Q2178-01	RT2929	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	3
Q2185-01	TP02-MHB-WC	PCB	30.04	N/A	ritesh	Evelyn	10	B		4
Q2185-05	TP01-MHB-WC	PCB	30.06	N/A	ritesh	Evelyn	10	B		5

RS
6/3

* **Extracts relinguished on the same date as received.**

Q2177 188252 9-30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2168 **WorkList ID :** 189890 **Department :** Extraction **Date :** 06-03-2025 09:02:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2168-01	SAN-A1-A3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-05	SAN-B1-B3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-09	SAN-C1-C2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-01	32525	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2176-01	TP-46	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2176-02	TP-56	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-03	TP-25	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-04	TP-26	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-05	TP-28	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-06	TP-27	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-07	TP-31	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-08	TP-65	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/30/2025	8082A
Q2177-02	B-187-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-04	B-187-SB02	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-06	B-202-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2178-01	RT2929	Solid	PCB	Cool 4 deg C	PSEG03	L41	06/02/2025	8082A
Q2185-01	TP02-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A
Q2185-05	TP01-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A

Date/Time 6/3/25 9:25
Raw Sample Received by: RJ (EXA-lab)
Raw Sample Relinquished by: SM

Date/Time 6/3/25 10:00
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXA-lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168257

10

SOP ID:	M3510C,3580A-Extraction PCB-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	06/03/2025
Matrix :	Water			**Extraction Start Time :**	09:03
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	06/03/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:45
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	PP24461
Surrogate	1.0ML	200 PPB	PP24597
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	E3939
Baked Na2SO4	N/A	EP2620
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS723, Q2170-01 & Q2175-09 used Limited volume as sample is oily, Q2175-06 received Limited volume & Q2157-01 split volume.

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
6/3/25	RS (EXT lab)	Y-P-PCSTHPD
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168257

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168257BL	ABLK257	PCB	1000	6	ritesh	Evelyn	10			SEP-1
PB168257BS	ALCS257	PCB	1000	6	ritesh	Evelyn	10			2
PB168257BSD	ALCSD257	PCB	1000	6	ritesh	Evelyn	10			3
Q2165-03	TRE-25-63-64	PCB	960	6	ritesh	Evelyn	10	C		4
Q2165-06	TRE-25-65-66	PCB	970	6	ritesh	Evelyn	10	C		5
Q2169-01	303-PPR-1	PCB	990	6	ritesh	Evelyn	10	E		6
Q2169-03	303-PPR-2	PCB	1000	6	ritesh	Evelyn	10	E		7
Q2170-01	51925-AQ	PCB	100	6	ritesh	Evelyn	10	C	Oily	8
Q2175-04	52525-A-B-COMP	PCB	1000	6	ritesh	Evelyn	10	C		9
Q2175-06	EGR-LIQUID	PCB	580	6	ritesh	Evelyn	10	E		10
Q2175-09	52725	PCB	100	6	ritesh	Evelyn	10	A	Oily	11
Q2177-08	EB05312025	PCB	490	6	ritesh	Evelyn	5	F		12

RS 6/13

* **Extracts relinquished on the same date as received.**

Q2165 6/2/25 9:03

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2165 **WorkList ID :** 189895 **Department :** Extraction **Date :** 06-03-2025 08:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2169-01	303-PPR-1	Water	PCB	Cool 4 deg C	PSEG01	L41	05/30/2025	8082A
Q2169-03	303-PPR-2	Water	PCB	Cool 4 deg C	PSEG01	L41	05/30/2025	8082A
Q2177-08	EB05312025	Water	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2165-03	TRE-25-63-64	Water	PCB	Cool 4 deg C	PSEG03	L31	05/30/2025	8082A
Q2165-06	TRE-25-65-66	Water	PCB	Cool 4 deg C	PSEG03	L31	05/30/2025	8082A
Q2170-01	51925-AQ	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-04	52525-A-B-COMP	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-06	EGR-LIQUID	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-09	52725	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A

1088 of 1738

Date/Time 6/3/25 8:56
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: J. C (SM)

Date/Time 6/3/25 9:30
Raw Sample Received by: J. C (SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-08	**EB05312025**	**WATER**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2177 **Order ID:** Q2177

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:	06/03/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030512.D	1	06/03/25 11:15	06/05/25 02:53	PB168263

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	603		70 (61) - 130 (136)	121%	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030507.D	1	06/03/25 11:15	06/05/25 00:52	PB168263

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	486		70 (61) - 130 (136)	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030508.D	1	06/03/25 11:15	06/05/25 01:16	PB168263

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	438		70 (61) - 130 (136)	88%	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030509.D	1	06/03/25 11:15	06/05/25 01:40	PB168263

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	464		70 (61) - 130 (136)	93%	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.: Q2177

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-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		70 (61)	130 (136)
		2,4-DCAA	2	500	445	89		70 (61)	130 (136)
I.BLK-PS030496.D	PIBLK-PS030496.D	2,4-DCAA	1	500	445	89		70 (61)	130 (136)
		2,4-DCAA	2	500	459	92		70 (61)	130 (136)
Q2173-06MS	OR-400-CF-402B-COMP-23MS	2,4-DCAA	1	500	635	127		70 (61)	130 (136)
		2,4-DCAA	2	500	449	90		70 (61)	130 (136)
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	2,4-DCAA	1	500	616	123		70 (61)	130 (136)
		2,4-DCAA	2	500	444	89		70 (61)	130 (136)
I.BLK-PS030505.D	PIBLK-PS030505.D	2,4-DCAA	1	500	442	88		70 (61)	130 (136)
		2,4-DCAA	2	500	460	92		70 (61)	130 (136)
Q2177-03	B-187-SB01	2,4-DCAA	1	500	486	97		70 (61)	130 (136)
		2,4-DCAA	2	500	411	82		70 (61)	130 (136)
Q2177-05	B-187-SB02	2,4-DCAA	1	500	438	88		70 (61)	130 (136)
		2,4-DCAA	2	500	409	82		70 (61)	130 (136)
Q2177-07	B-202-SB01	2,4-DCAA	1	500	464	93		70 (61)	130 (136)
		2,4-DCAA	2	500	425	85		70 (61)	130 (136)
PB168263BL	PB168263BL	2,4-DCAA	1	500	434	87		70 (61)	130 (136)
		2,4-DCAA	2	500	472	94		70 (61)	130 (136)
PB168263BS	PB168263BS	2,4-DCAA	1	500	510	102		70 (61)	130 (136)
		2,4-DCAA	2	500	506	101		70 (61)	130 (136)
PB168224TB	PB168224TB	2,4-DCAA	1	500	603	121		70 (61)	130 (136)
		2,4-DCAA	2	500	484	97		70 (61)	130 (136)
I.BLK-PS030515.D	PIBLK-PS030515.D	2,4-DCAA	1	500	447	89		70 (61)	130 (136)
		2,4-DCAA	2	500	460	92		70 (61)	130 (136)

( ) = 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.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **DataFile :** PS030498.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:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 1)	2,4-D	50	0	50.6	ug/L	101				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	49.0	ug/L	98				70 (62)	130 (139)	
Client Sample ID:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 2)	2,4-D	50	0	44.7	ug/L	89				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	45.9	ug/L	92				70 (62)	130 (139)	

( ) = 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.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **DataFile :** PS030499.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:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 1)	2,4-D	50	0	49.8	ug/L	100		1		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	48.6	ug/L	97		1		70 (62)	130 (139)	20 (20)
Client Sample ID:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 2)	2,4-D	50	0	42.4	ug/L	85		5		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	46.6	ug/L	93		1		70 (62)	130 (139)	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.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **Datafile :** PS030511.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168263BS (Column 1)	2,4-D	5	4.80	ug/L	96				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				70 (78)	130 (127)	
PB168263BS (Column 2)	2,4-D	5	5.00	ug/L	100				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	4.90	ug/L	98				70 (78)	130 (127)	

( ) = 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.

PB168263BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168263BL Lab File ID: PS030510.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/05/2025 Date Analyzed (2): 06/05/2025

Time Analyzed (1): 02:04 Time Analyzed (2): 02:04

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
OR-400-CF-402B-COMP-23MS	Q2173-06MS	PS030498.D	06/04/2025	06/04/2025
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	PS030499.D	06/04/2025	06/04/2025
B-187-SB01	Q2177-03	PS030507.D	06/05/2025	06/05/2025
B-187-SB02	Q2177-05	PS030508.D	06/05/2025	06/05/2025
B-202-SB01	Q2177-07	PS030509.D	06/05/2025	06/05/2025
PB168263BS	PB168263BS	PS030511.D	06/05/2025	06/05/2025
PB168224TB	PB168224TB	PS030512.D	06/05/2025	06/05/2025

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:	PB168263BL	SDG No.:	Q2177
Lab Sample ID:	PB168263BL	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030510.D	1	06/03/25 11:15	06/05/25 02:04	PB168263

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	472		70 (61) - 130 (136)	94%	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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030475.D	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030475.D	1		06/04/25	PS060425

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	445		70 (61) - 130 (136)	89%	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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030496.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030496.D	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030496.D	1		06/04/25	PS060425

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	459		70 (61) - 130 (136)	92%	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:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030505.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030505.D	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030505.D	1		06/04/25	ps060425

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	460		70 (61) - 130 (136)	92%	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:	06/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030515.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030515.D	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030515.D	1		06/05/25	ps060425

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	460		70 (61) - 130 (136)	92%	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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168263BS	SDG No.:	Q2177
Lab Sample ID:	PB168263BS	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030511.D	1	06/03/25 11:15	06/05/25 02:28	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.00		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.00		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		70 (61) - 130 (136)	102%	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:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MS	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MS	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030498.D	1	06/03/25 11:15	06/04/25 20:51	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	50.6		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	49.0		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	635		70 (61) - 130 (136)	127%	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:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MSD	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MSD	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS030499.D	1	06/03/25 11:15	06/04/25 21:15	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	49.8		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	48.6		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	616		70 (61) - 130 (136)	123%	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.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.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)	9.40	9.40	9.40	9.40	9.40	9.40	9.30	9.50
2,4-D	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
2,4-DCAA	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47

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.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.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)	9.94	9.94	9.94	9.94	9.94	9.94	9.84	10.04
2,4-D	9.03	9.03	9.03	9.04	9.04	9.03	8.93	9.13
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS030476.D CF 500 = PS030477.D

CF 750 = PS030478.D CF 1000 = PS030479.D CF 1500 = PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS030476.D **CF 500 =** PS030477.D

CF 750 = PS030478.D **CF 1000 =** PS030479.D **CF 1500 =** PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.37	7.37	7.27	7.47	0.01
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.398	9.304	9.504	724.280	712.500	1.7
2,4-D	8.506	8.412	8.612	705.370	705.000	0.1
2,4-DCAA	7.365	7.269	7.469	725.600	750.000	-3.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.400	712.500	-0.4
2,4-D	9.032	8.934	9.134	695.700	705.000	-1.3
2,4-DCAA	7.772	7.674	7.874	722.520	750.000	-3.7

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.396	9.304	9.504	710.030	712.500	-0.3
2,4-D	8.504	8.412	8.612	681.590	705.000	-3.3
2,4-DCAA	7.364	7.269	7.469	717.850	750.000	-4.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	704.930	712.500	-1.1
2,4-D	9.032	8.934	9.134	692.970	705.000	-1.7
2,4-DCAA	7.772	7.674	7.874	719.760	750.000	-4.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **Initial Calibration Time(s):** 11:19 12:55

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.395	9.304	9.504	720.680	712.500	1.1
2,4-D	8.504	8.412	8.612	697.490	705.000	-1.1
2,4-DCAA	7.364	7.269	7.469	713.260	750.000	-4.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.690	712.500	-0.4
2,4-D	9.031	8.934	9.134	727.630	705.000	3.2
2,4-DCAA	7.772	7.674	7.874	709.210	750.000	-5.4

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

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
I.BLK	I.BLK	06/04/2025	19:39	PS030496.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.37	0.00
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/04/2025	20:51	PS030498.D	7.36	0.00
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/04/2025	21:15	PS030499.D	7.36	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.36	0.00
B-187-SB01	Q2177-03	06/05/2025	00:52	PS030507.D	7.36	0.00
B-187-SB02	Q2177-05	06/05/2025	01:16	PS030508.D	7.36	0.00
B-202-SB01	Q2177-07	06/05/2025	01:40	PS030509.D	7.36	0.00
PB168263BL	PB168263BL	06/05/2025	02:04	PS030510.D	7.36	0.00
PB168263BS	PB168263BS	06/05/2025	02:28	PS030511.D	7.36	0.00
PB168224TB	PB168224TB	06/05/2025	02:53	PS030512.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.36	0.00

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

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	19:39	PS030496.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.77	0.00
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/04/2025	20:51	PS030498.D	7.77	0.00
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/04/2025	21:15	PS030499.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.77	0.00
B-187-SB01	Q2177-03	06/05/2025	00:52	PS030507.D	7.77	0.00
B-187-SB02	Q2177-05	06/05/2025	01:16	PS030508.D	7.77	0.00
B-202-SB01	Q2177-07	06/05/2025	01:40	PS030509.D	7.77	0.00
PB168263BL	PB168263BL	06/05/2025	02:04	PS030510.D	7.77	0.00
PB168263BS	PB168263BS	06/05/2025	02:28	PS030511.D	7.77	0.00
PB168224TB	PB168224TB	06/05/2025	02:53	PS030512.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.77	0.00

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-400-CF-402B-COMP-23MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MS **Date(s) Analyzed:** 06/04/2025 06/04/2025

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	8.51	8.46	8.56	50.6	12.4
	2	9.03	8.98	9.08	44.7	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	49.0	6.5
	2	9.94	9.89	9.99	45.9	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OR-400-CF-402B-COMP-23MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MSD **Date(s) Analyzed:** 06/04/2025 06/04/2025

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	8.51	8.46	8.56	49.8	16.1
	2	9.03	8.98	9.08	42.4	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	48.6	4.2
	2	9.94	9.89	9.99	46.6	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168263BS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: PB168263BS **Date(s) Analyzed:** 06/05/2025 06/05/2025

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	8.50	8.45	8.55	4.80	4.1
	2	9.03	8.98	9.08	5.00	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	5.00	2
	2	9.94	9.89	9.99	4.90	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:53
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	2275.7E6	520.7E6	602.803	484.121
	Target Compounds						

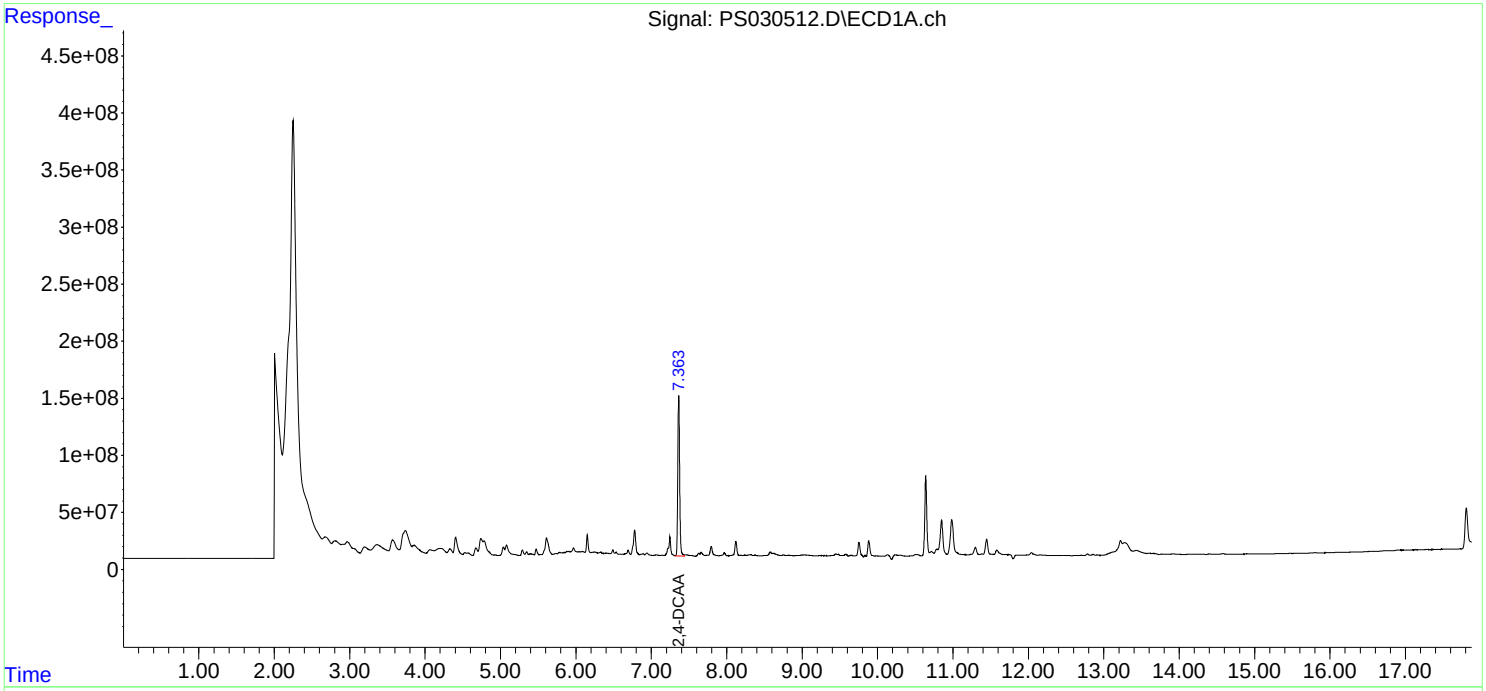
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

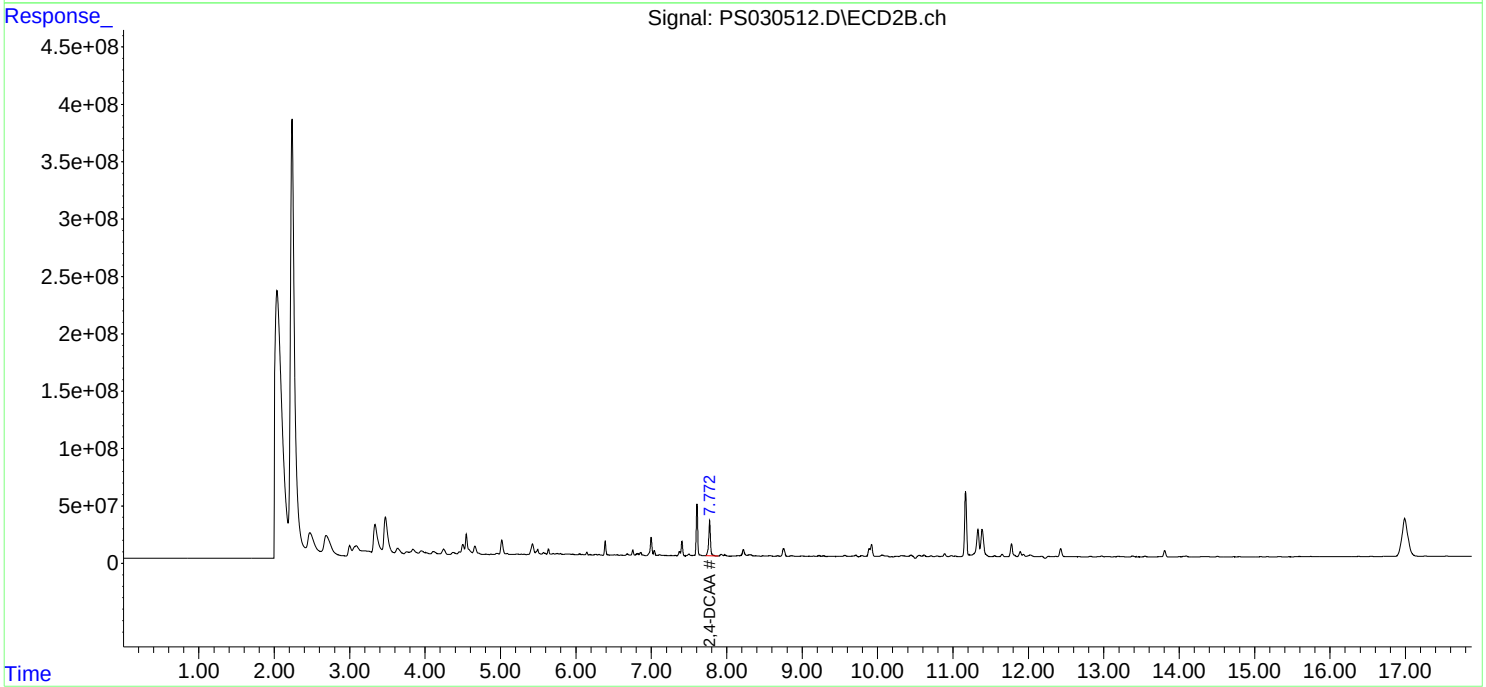
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:53
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

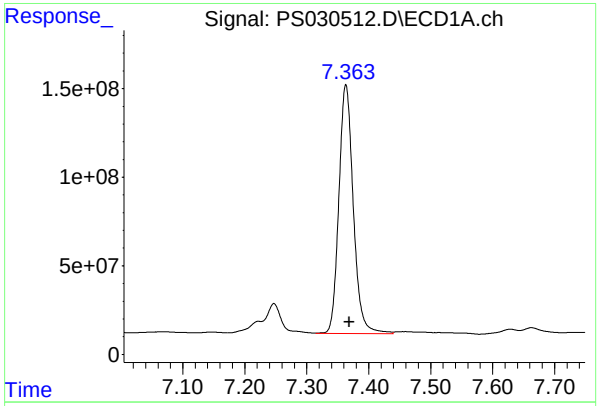
Instrument :
ECD_S
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



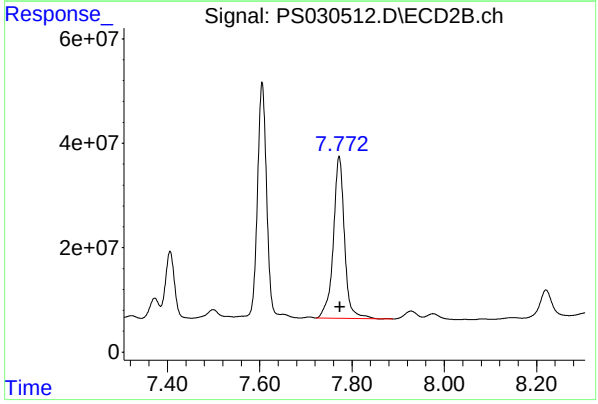




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 2275667047
Conc: 602.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168224TB



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 520725267
Conc: 484.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:52
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-187-SB01

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1835.4E6	442.5E6	486.187	411.387m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

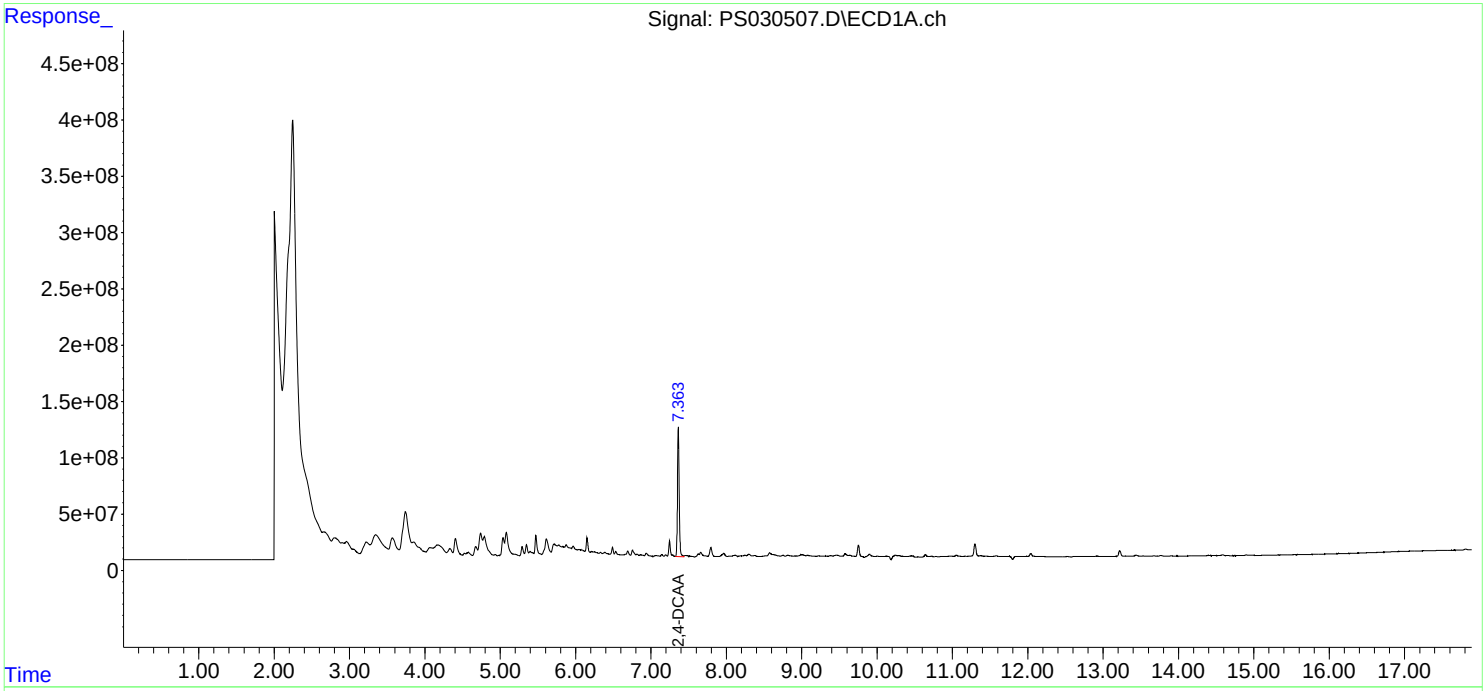
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:52
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

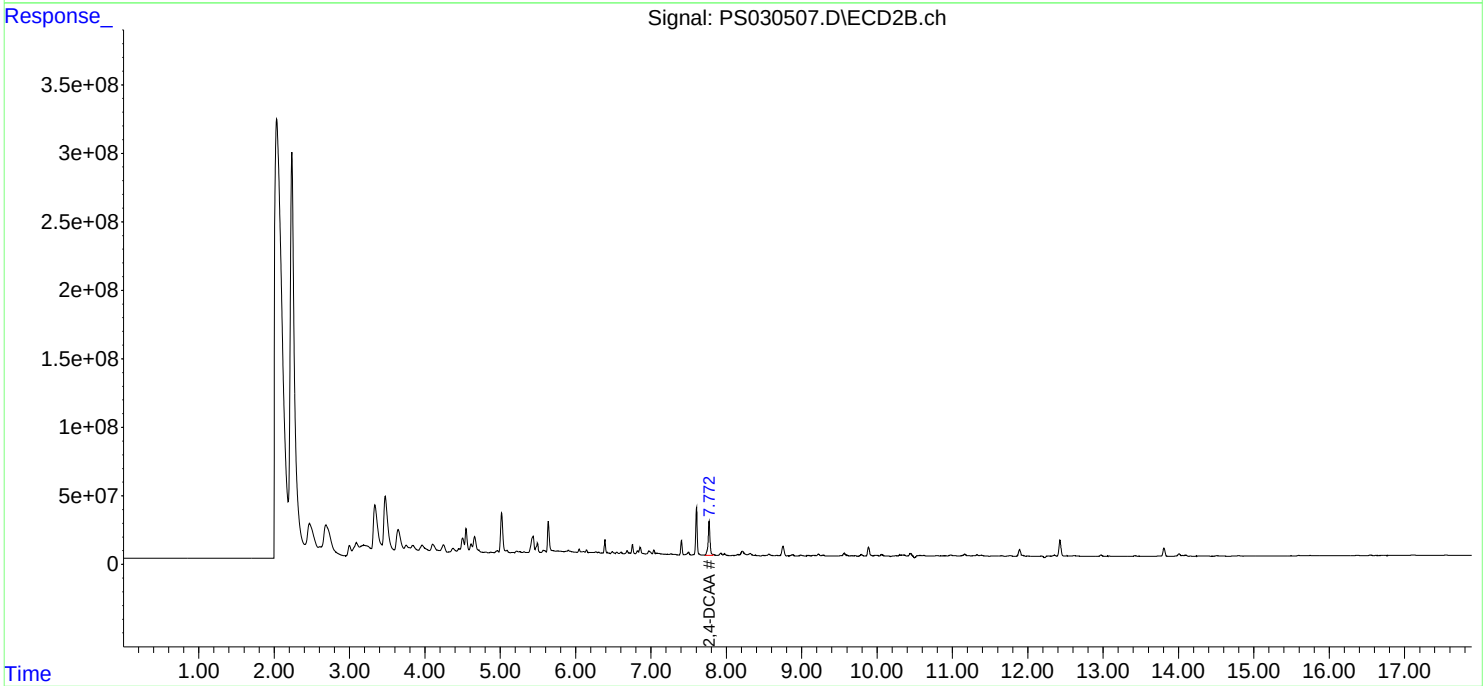
Instrument :
ECD_S
ClientSampleId :
B-187-SB01

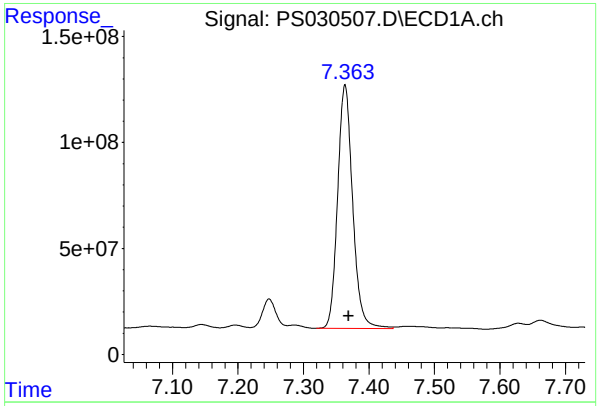
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







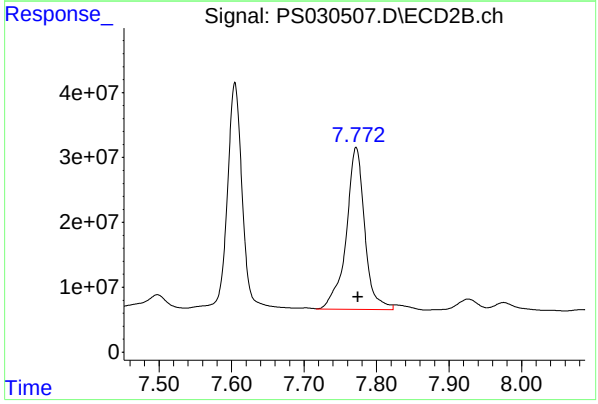
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1835426921
Conc: 486.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
B-187-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 442492542
Conc: 411.39 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:16
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.771	1653.0E6	440.0E6	437.875	409.047
	Target Compounds						

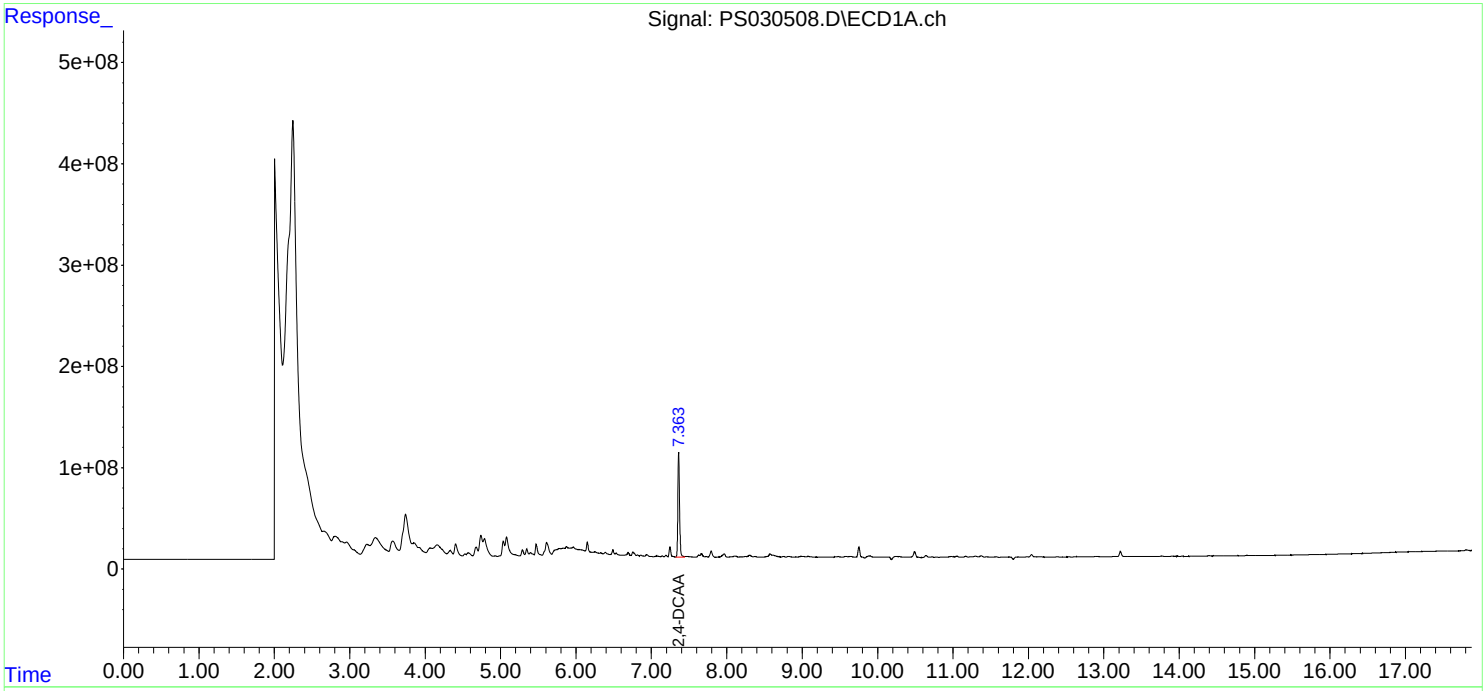
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

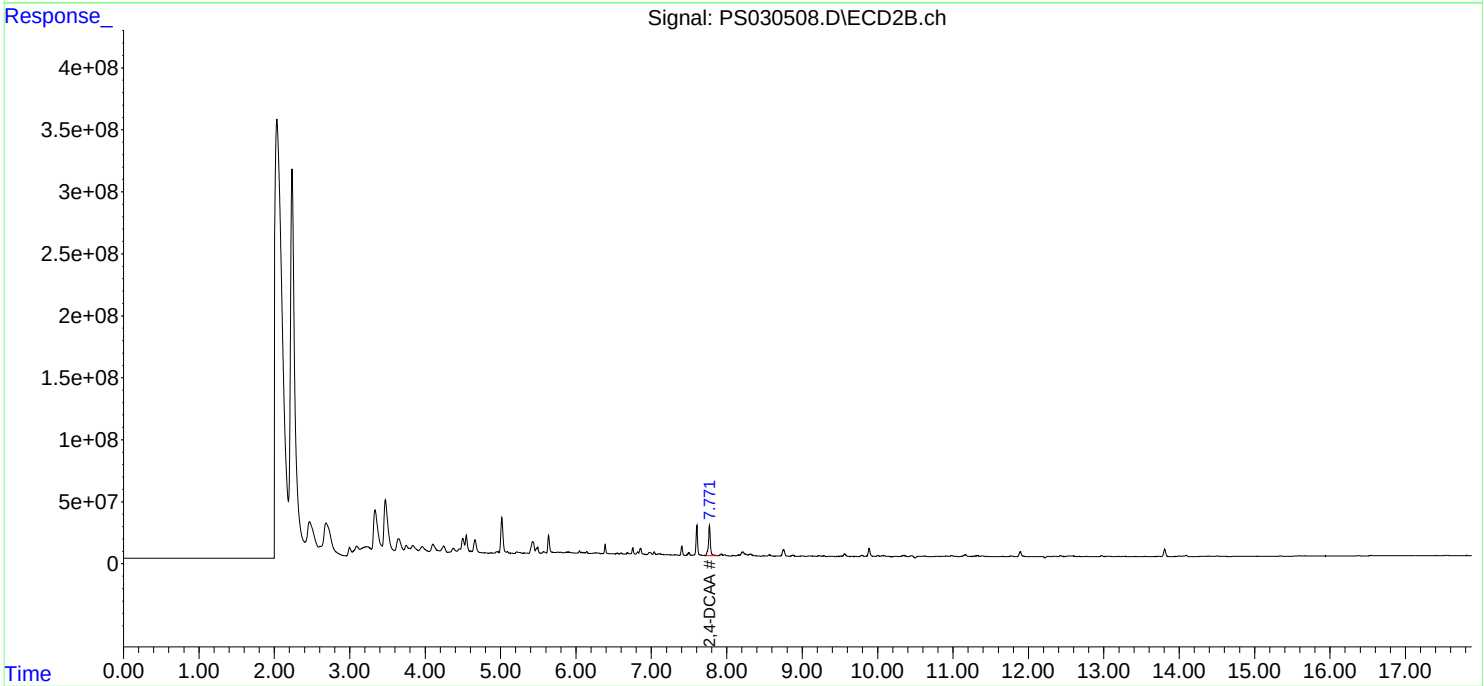
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:16
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

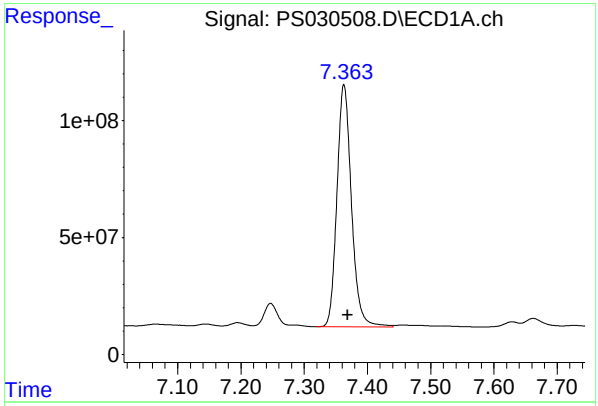
Instrument :
ECD_S
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



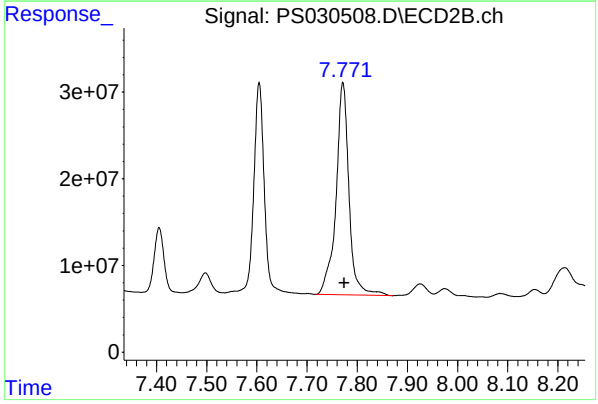




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 1653041824
Conc: 437.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
B-187-SB02



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 439975322
Conc: 409.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:40
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.771	1750.3E6	457.6E6	463.646	425.454m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

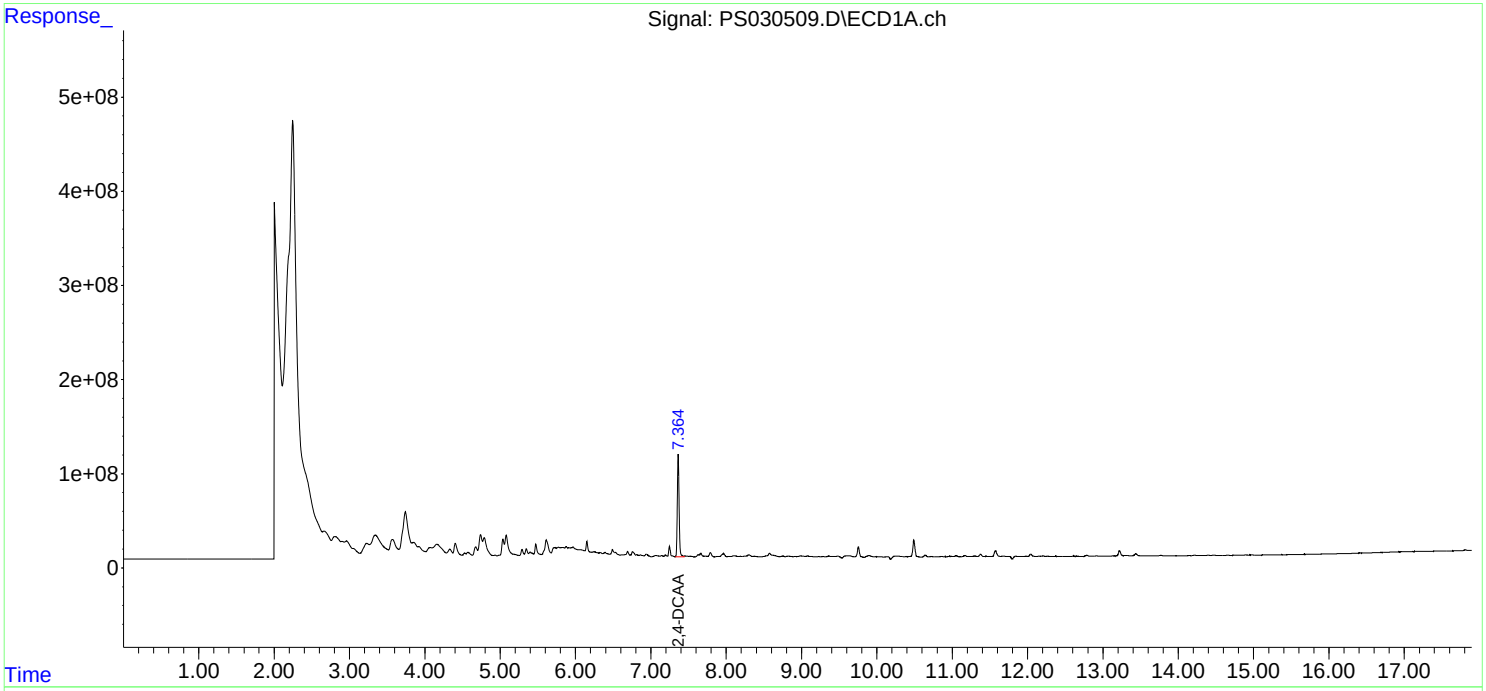
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:40
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

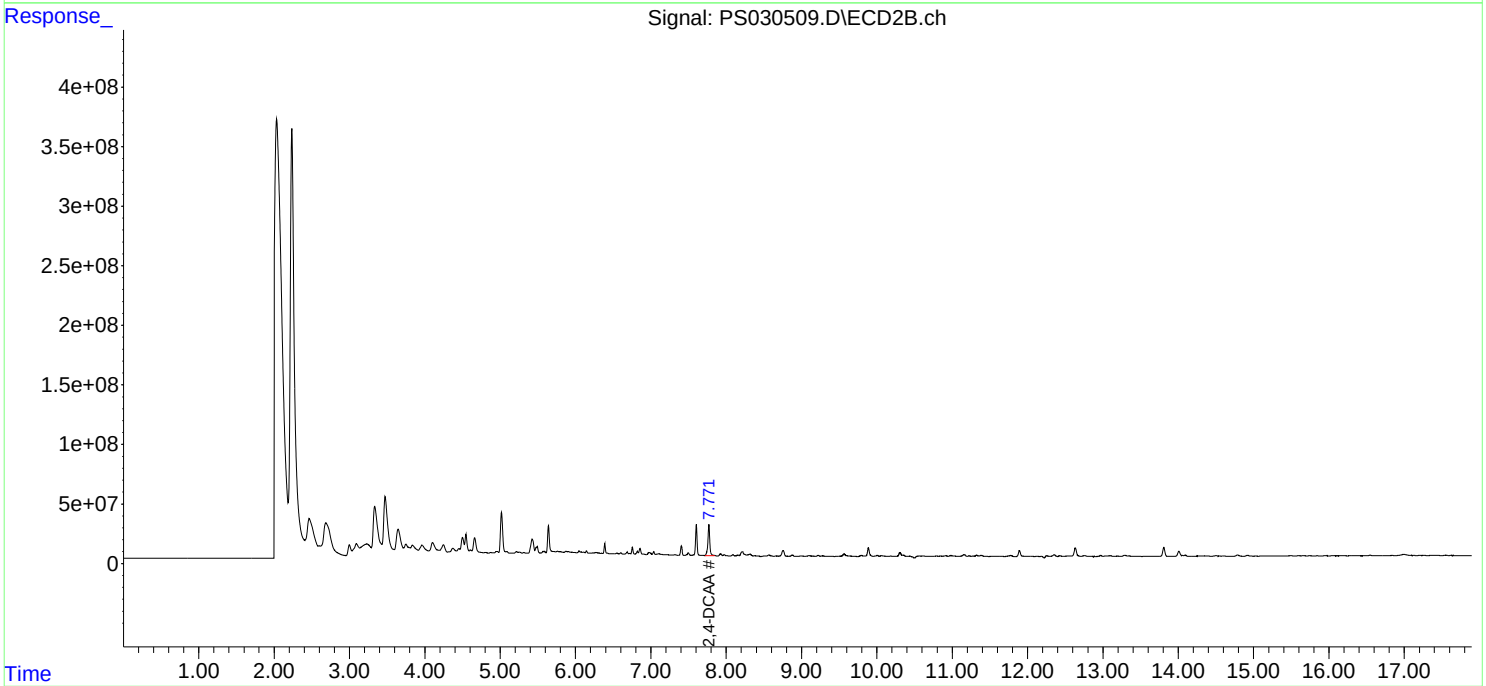
Instrument :
ECD_S
ClientSampleId :
B-202-SB01

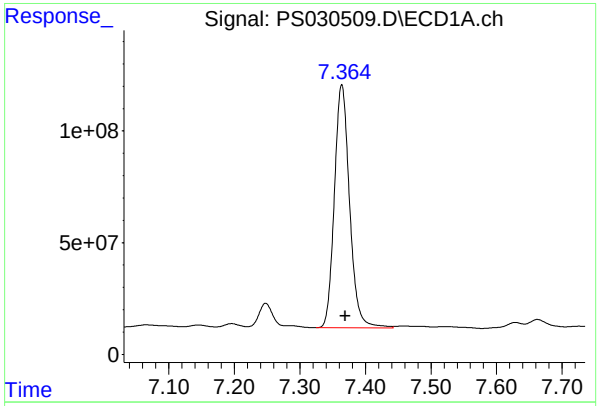
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







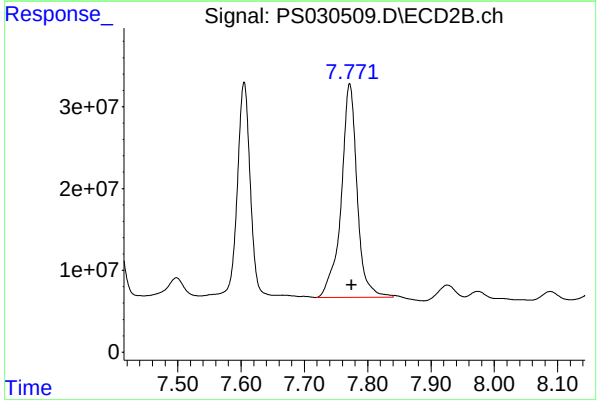
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1750330467
Conc: 463.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 457623057
Conc: 425.45 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:04
Operator : AR\AJ
Sample : PB168263BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1639.8E6	507.5E6	434.369	471.841
	Target Compounds						

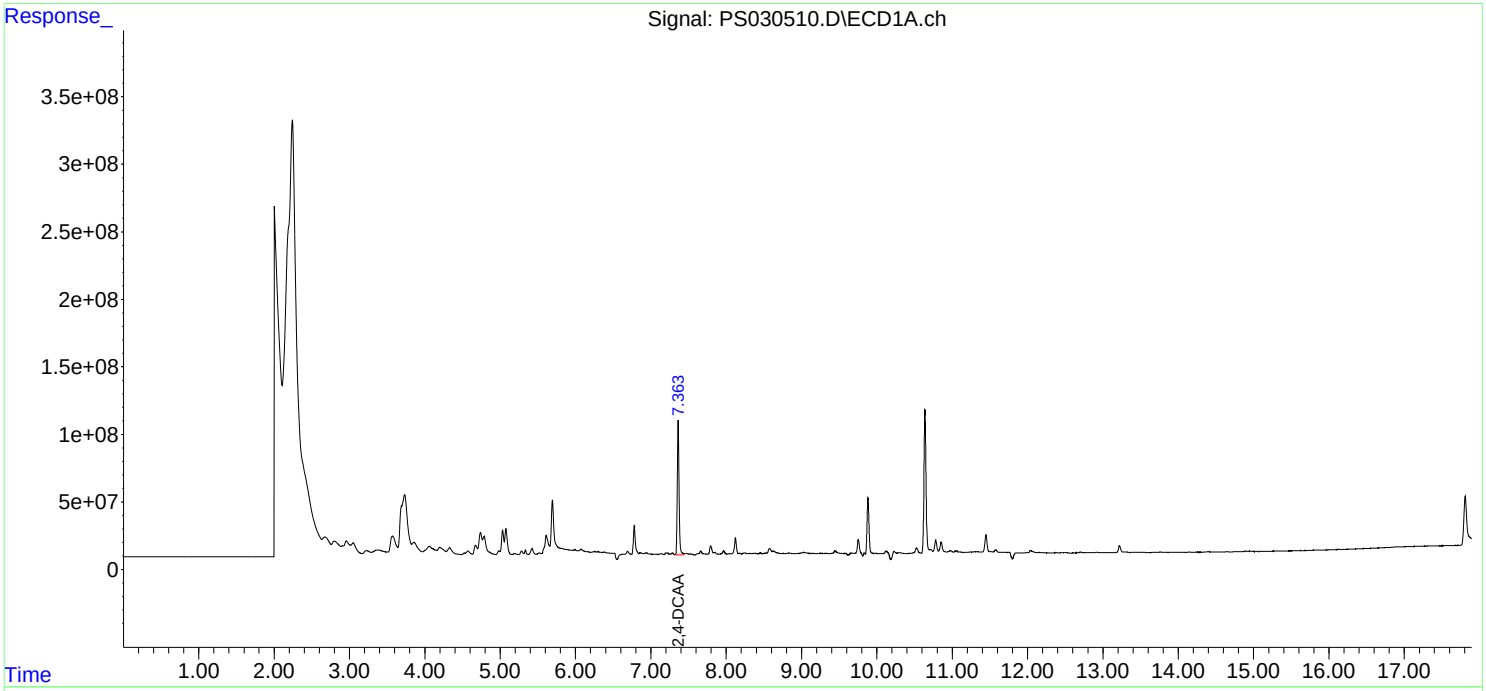
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

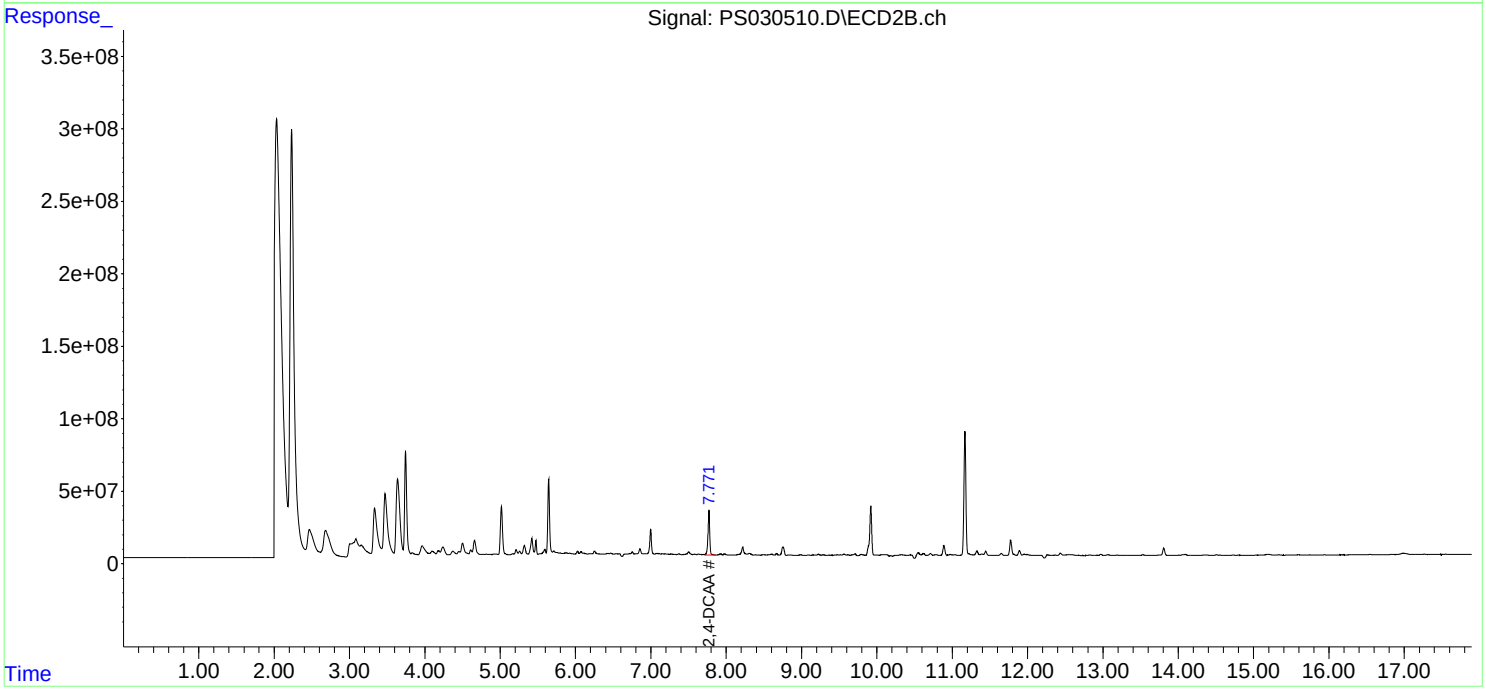
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:04
Operator : AR\AJ
Sample : PB168263BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

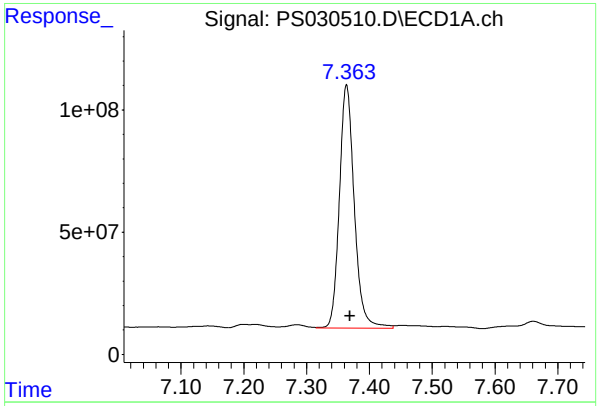
Instrument :
ECD_S
ClientSampleId :
PB168263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



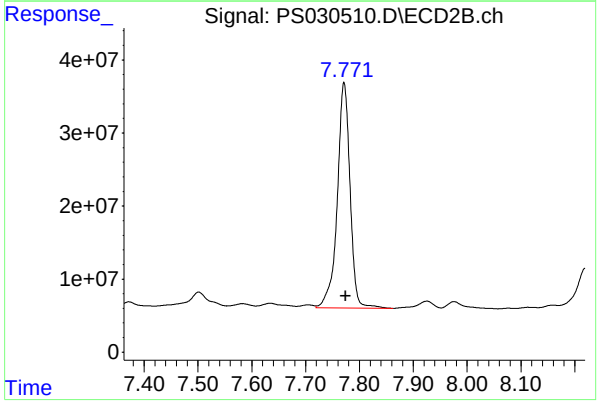




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1639807752
Conc: 434.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168263BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 507516852
Conc: 471.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:28
Operator : AR\AJ
Sample : PB168263BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168263BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1925.7E6	544.7E6	510.093m	506.410
		Target Compounds						
1)	T	Dalapon	2.712	2.711	2596.0E6	1220.2E6	459.714	445.328
2)	T	3,5-DICHL...	6.520	6.716	2659.9E6	742.5E6	490.177	474.690
3)	T	4-Nitroph...	7.163	7.302	855.6E6	727.5E6	466.562	464.208
5)	T	DICAMBA	7.556	7.976	7599.7E6	3089.9E6	492.765	479.681
6)	T	MCPP	7.737	8.074	433.1E6	109.3E6	43.724	47.290
7)	T	MCPA	7.887	8.322	578.5E6	148.3E6	45.586	48.064m
8)	T	DICHLORPROP	8.272	8.696	1769.1E6	715.0E6	486.261	481.711
9)	T	2,4-D	8.504	9.032	1741.9E6	781.5E6	478.056	497.007
10)	T	Pentachlo...	8.813	9.559	27535.8E6	18191.2E6	542.190	503.382
11)	T	2,4,5-TP ...	9.396	9.939	10338.3E6	6691.4E6	500.281	487.827
12)	T	2,4,5-T	9.690	10.365	8844.2E6	6368.0E6	479.855	487.702
13)	T	2,4-DB	10.271	10.933	1363.3E6	550.9E6	448.990	479.217
14)	T	DINOSEB	11.493	11.318	7061.9E6	4795.8E6	491.267	477.191
15)	T	Picloram	11.298	12.426	8118.5E6	10135.5E6	405.828	458.954m
16)	T	DCPA	11.789	12.362	13528.1E6	10229.0E6	511.651	499.880m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

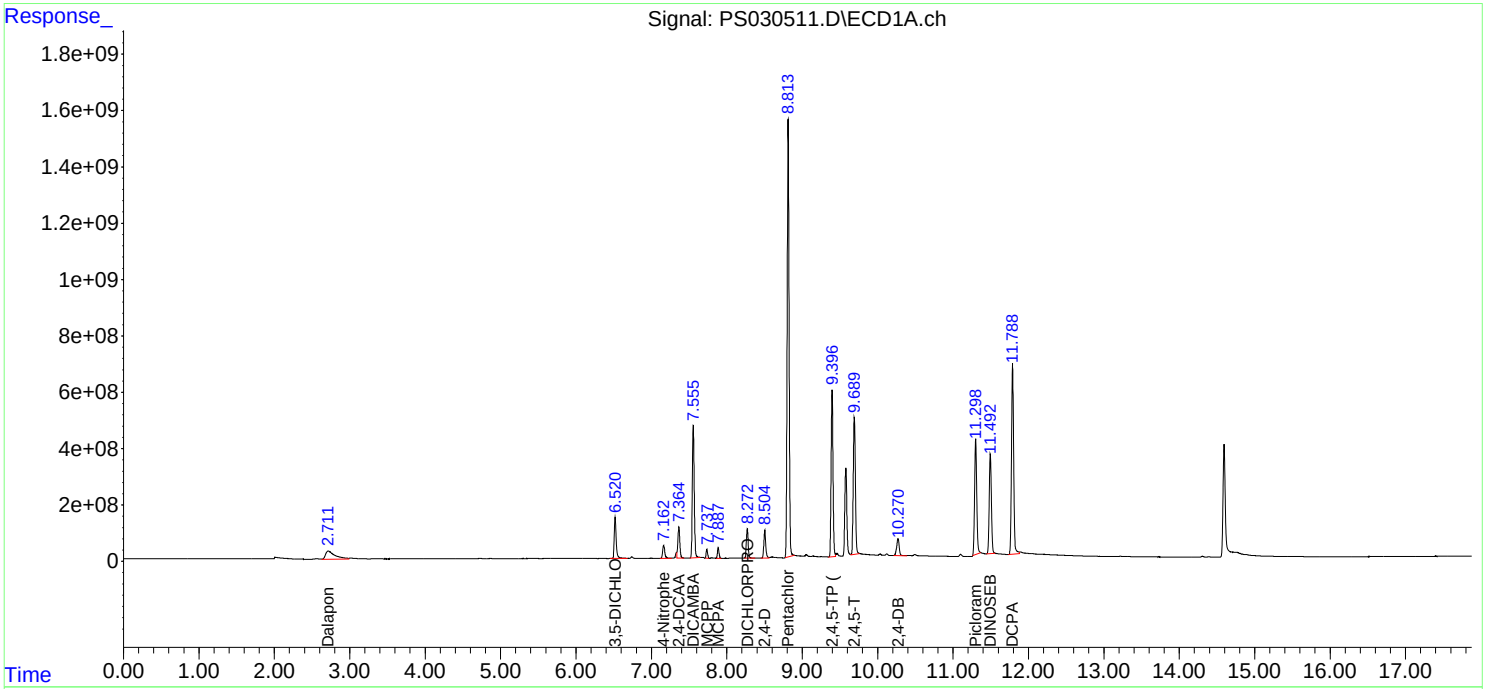
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:28
Operator : AR\AJ
Sample : PB168263BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

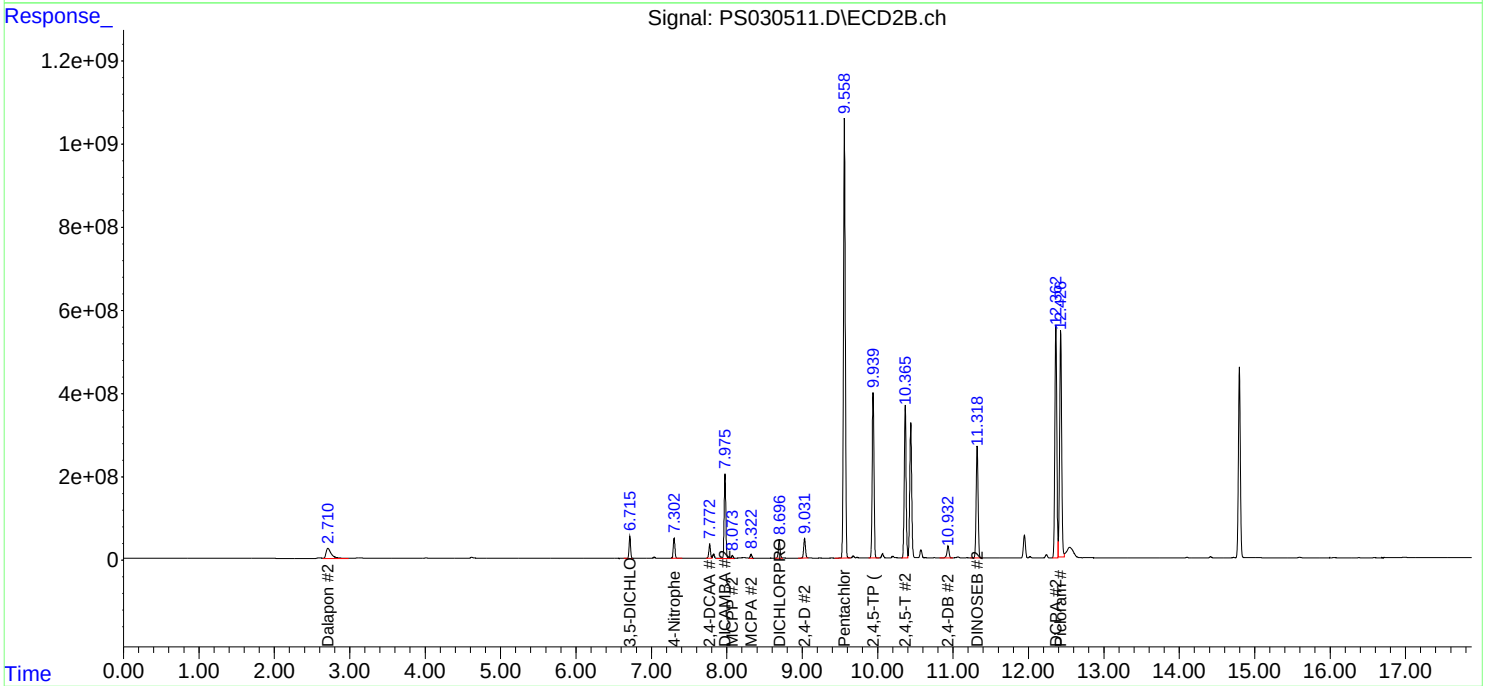
Instrument :
ECD_S
ClientSampleId :
PB168263BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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\PS060425\
Data File : PS030498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:51
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	2396.9E6	482.8E6	634.903	448.861 #
		Target Compounds						
1)	T	Dalapon	2.709	2.707	594.4E6	3441.0E6	105.266m	1255.837 #
2)	T	3,5-DICHL...	6.520	6.715	2496.2E6	650.4E6	460.009m	415.806m
3)	T	4-Nitroph...	7.179	7.323	71028163	180.0E6	38.734	114.873 #
5)	T	DICAMBA	7.556	7.975	6210.4E6	2594.4E6	402.680	402.756m
6)	T	MCPP	7.738	8.074	344.3E6	77250197	34.759	33.419
7)	T	MCPA	7.887	8.322	506.1E6	134.2E6	39.884m	43.498m
8)	T	DICHLORPROP	8.272	8.696	1681.2E6	628.4E6	462.112	423.369
9)	T	2,4-D	8.506	9.031	1841.9E6	703.3E6	505.514	447.283
10)	T	Pentachlo...	8.814	9.558	24488.5E6	15745.5E6	482.188	435.705
11)	T	2,4,5-TP ...	9.397	9.939	10124.5E6	6295.3E6	489.930	458.949
12)	T	2,4,5-T	9.692	10.365	8200.8E6	5776.6E6	444.945	442.407
13)	T	2,4-DB	10.273	10.932	1378.9E6	485.0E6	454.131	421.890
14)	T	DINOSEB	11.495	11.319	5139.6E6	3354.6E6	357.538	333.791
15)	T	Picloram	11.300	12.426	7693.0E6	8293.3E6	384.557	375.537
16)	T	DCPA	11.789	12.362	10394.0E6	8718.7E6	393.114	426.072m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

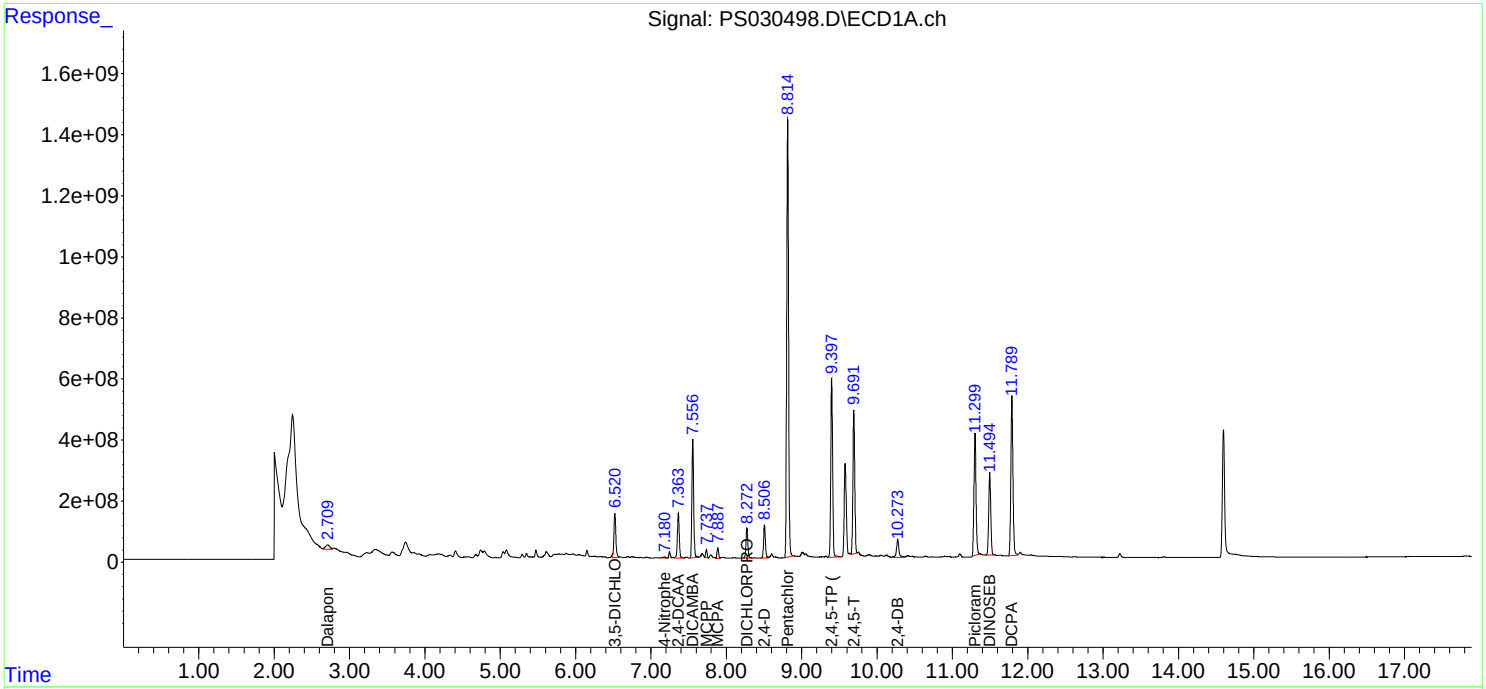
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:51
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

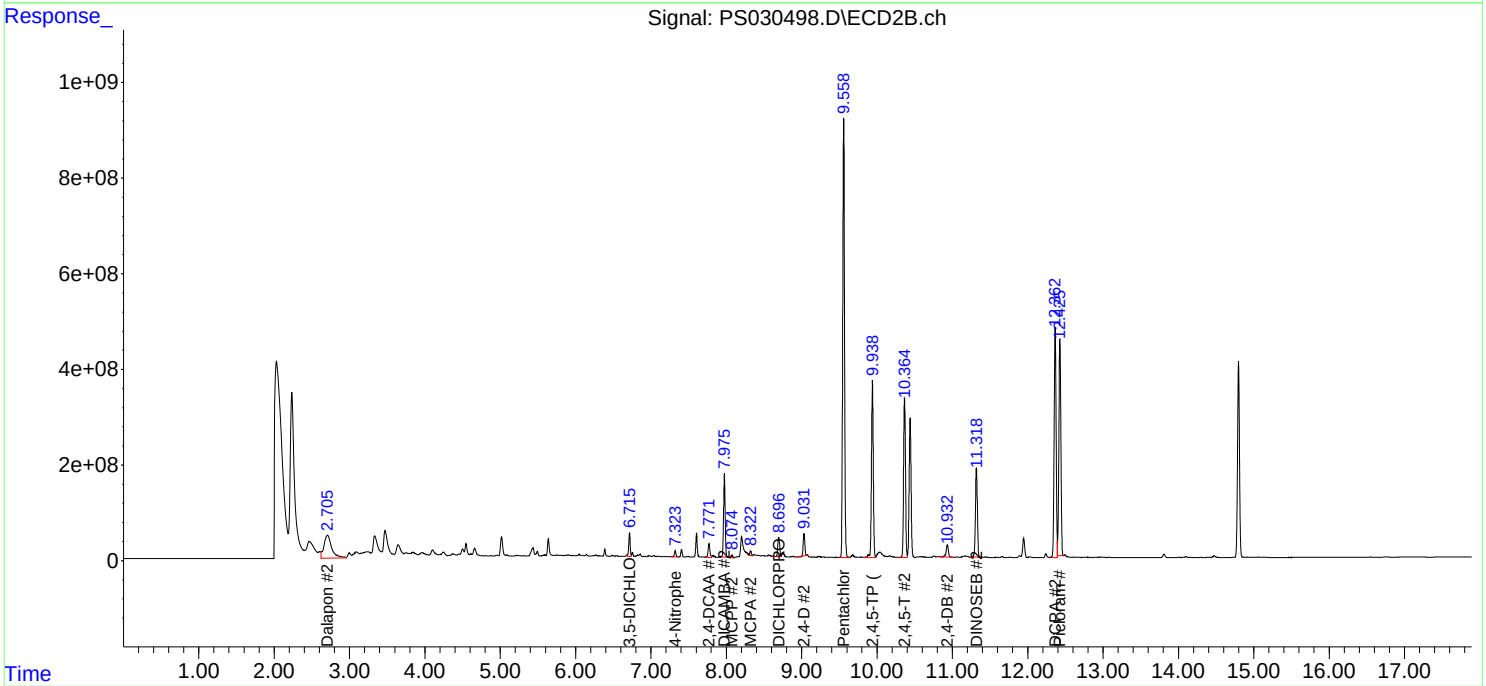
Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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\PS060425\
Data File : PS030499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:15
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.363	7.772	2327.1E6	477.8E6	616.424	444.210 #
		Target Compounds						
1)	T	Dalapon	2.708	2.708	502.7E6	3275.6E6	89.023m	1195.463 #
2)	T	3,5-DICHL...	6.521	6.715	2587.6E6	674.1E6	476.856	430.932m
3)	T	4-Nitroph...	7.180	7.324	62653981	177.2E6	34.167	113.042 #
5)	T	DICAMBA	7.556	7.975	6141.6E6	2587.1E6	398.223	401.626m
6)	T	MCPP	7.738	8.074	344.4E6	76944842	34.775	33.287
7)	T	MCPA	7.887	8.322	465.8E6	139.3E6	36.706m	45.138m
8)	T	DICHLORPROP	8.272	8.696	1664.7E6	580.7E6	457.556	391.230
9)	T	2,4-D	8.505	9.032	1813.0E6	667.4E6	497.578	424.452
10)	T	Pentachlo...	8.815	9.558	24170.3E6	15619.0E6	475.923	432.203
11)	T	2,4,5-TP ...	9.396	9.939	10032.9E6	6396.1E6	485.499	466.299
12)	T	2,4,5-T	9.691	10.365	8042.8E6	5746.4E6	436.370	440.093
13)	T	2,4-DB	10.273	10.932	1348.1E6	476.2E6	443.996	414.266
14)	T	DINOSEB	11.495	11.318	5119.5E6	3367.3E6	356.144	335.047
15)	T	Picloram	11.300	12.426	7424.9E6	8084.0E6	371.155	366.059
16)	T	DCPA	11.789	12.362	10331.9E6	8632.3E6	390.768	421.850m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

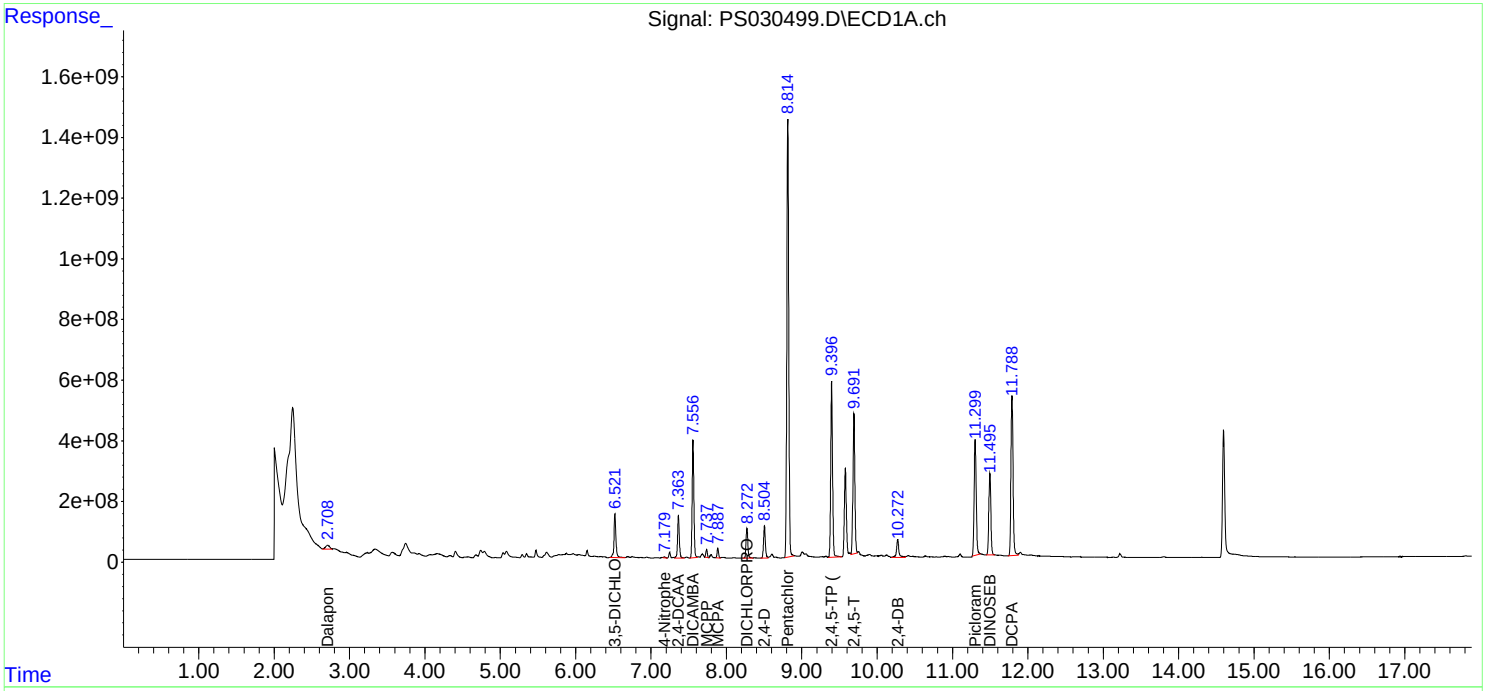
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:15
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

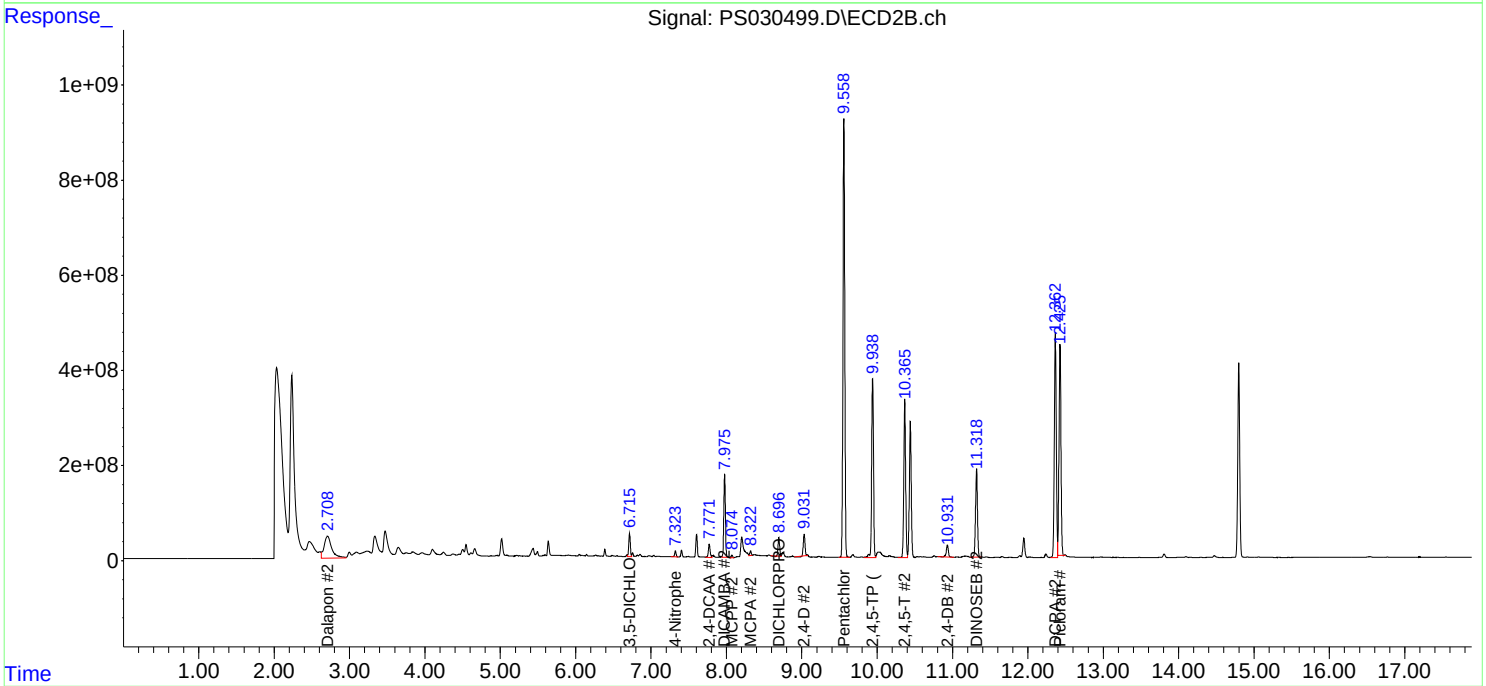
Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030476.D	2,4-DCAA	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC200	PS030476.D	MCPA #2	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC500	PS030477.D	2,4-DCAA	Abdul	6/5/2025 8:32:34 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC750	PS030478.D	2,4-DCAA	Abdul	6/5/2025 8:32:37 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1000	PS030479.D	2,4-DCAA	Abdul	6/5/2025 8:32:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	2,4-DCAA	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	MCPA #2	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICV750	PS030481.D	2,4-DCAA	Abdul	6/5/2025 8:32:48 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	2,4-DCAA	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	MCPA #2	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DB #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DCAA	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	MCPA #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030497.D	2,4-DCAA	Abdul	6/5/2025 3:53:26 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	3,5-DICHLOROBENZOIC ACID	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	Dalapon	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	DCPA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	DICAMBA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	MCPA	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	MCPA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	Dalapon	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	DCPA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	DICAMBA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	MCPA	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2173-06MSD	PS030499.D	MCPA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030506.D	2,4-DCAA	Abdul	6/5/2025 11:55:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2177-03	PS030507.D	2,4-DCAA #2	Abdul	6/5/2025 11:55:43 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2177-07	PS030509.D	2,4-DCAA #2	Abdul	6/5/2025 11:55:47 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	2,4-DCAA	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	DCPA #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	MCPA #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	Picloram #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-D #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-DCAA	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	MCPA #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	Picloram	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-D #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030526.D	2,4-DCAA	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	DCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	MCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	Picloram	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	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 # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030474.D	04 Jun 2025 10:31	AR\AJ	Ok
2	I.BLK	PS030475.D	04 Jun 2025 10:55	AR\AJ	Ok
3	HSTDICC200	PS030476.D	04 Jun 2025 11:19	AR\AJ	Ok,M
4	HSTDICC500	PS030477.D	04 Jun 2025 11:43	AR\AJ	Ok,M
5	HSTDICC750	PS030478.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	HSTDICC1000	PS030479.D	04 Jun 2025 12:31	AR\AJ	Ok,M
7	HSTDICC1500	PS030480.D	04 Jun 2025 12:55	AR\AJ	Ok,M
8	HSTDICV750	PS030481.D	04 Jun 2025 13:35	AR\AJ	Ok,M
9	I.BLK	PS030482.D	04 Jun 2025 13:59	AR\AJ	Ok
10	HSTDCCC750	PS030483.D	04 Jun 2025 14:23	AR\AJ	Ok,M
11	PB168207BL	PS030484.D	04 Jun 2025 14:47	AR\AJ	Ok
12	PB168207BS	PS030485.D	04 Jun 2025 15:12	AR\AJ	Ok,M
13	Q1872-17	PS030486.D	04 Jun 2025 15:36	AR\AJ	Dilution
14	Q1872-17DL	PS030487.D	04 Jun 2025 16:00	AR\AJ	Ok,M
15	I.BLK	PS030488.D	04 Jun 2025 16:26	AR\AJ	Ok
16	HSTDCCC750	PS030489.D	04 Jun 2025 16:50	AR\AJ	Ok,M
17	Q2159-01	PS030490.D	04 Jun 2025 17:14	AR\AJ	Ok
18	Q2160-01	PS030491.D	04 Jun 2025 17:38	AR\AJ	Ok
19	Q2160-05	PS030492.D	04 Jun 2025 18:02	AR\AJ	Ok
20	Q2173-06	PS030493.D	04 Jun 2025 18:26	AR\AJ	Ok,M
21	Q2173-12	PS030494.D	04 Jun 2025 18:51	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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2173-18	PS030495.D	04 Jun 2025 19:15	AR\AJ	Ok,M
23	I.BLK	PS030496.D	04 Jun 2025 19:39	AR\AJ	Ok
24	HSTDCCC750	PS030497.D	04 Jun 2025 20:03	AR\AJ	Ok,M
25	Q2173-06MS	PS030498.D	04 Jun 2025 20:51	AR\AJ	Ok,M
26	Q2173-06MSD	PS030499.D	04 Jun 2025 21:15	AR\AJ	Ok,M
27	Q2160-05MS	PS030500.D	04 Jun 2025 21:40	AR\AJ	Ok,M
28	Q2160-05MSD	PS030501.D	04 Jun 2025 22:04	AR\AJ	Ok,M
29	Q2172-01	PS030502.D	04 Jun 2025 22:28	AR\AJ	Ok
30	Q2185-01	PS030503.D	04 Jun 2025 22:52	AR\AJ	Ok,M
31	Q2185-05	PS030504.D	04 Jun 2025 23:16	AR\AJ	Ok
32	I.BLK	PS030505.D	04 Jun 2025 23:40	AR\AJ	Ok
33	HSTDCCC750	PS030506.D	05 Jun 2025 00:04	AR\AJ	Ok,M
34	Q2177-03	PS030507.D	05 Jun 2025 00:52	AR\AJ	Ok,M
35	Q2177-05	PS030508.D	05 Jun 2025 01:16	AR\AJ	Ok
36	Q2177-07	PS030509.D	05 Jun 2025 01:40	AR\AJ	Ok,M
37	PB168263BL	PS030510.D	05 Jun 2025 02:04	AR\AJ	Ok
38	PB168263BS	PS030511.D	05 Jun 2025 02:28	AR\AJ	Ok,M
39	PB168224TB	PS030512.D	05 Jun 2025 02:53	AR\AJ	Ok
40	PB168254BL	PS030513.D	05 Jun 2025 03:17	AR\AJ	Ok
41	PB168254BS	PS030514.D	05 Jun 2025 03:41	AR\AJ	Ok,M
42	I.BLK	PS030515.D	05 Jun 2025 04:05	AR\AJ	Ok
43	HSTDCCC750	PS030516.D	05 Jun 2025 04:29	AR\AJ	Ok,M
44	Q2176-01	PS030517.D	05 Jun 2025 05:17	AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2176-02	PS030518.D	05 Jun 2025 05:41	AR\AJ	Ok,M
46	Q2176-03	PS030519.D	05 Jun 2025 06:05	AR\AJ	Ok
47	Q2176-04	PS030520.D	05 Jun 2025 06:29	AR\AJ	Not Ok
48	Q2176-05	PS030521.D	05 Jun 2025 06:53	AR\AJ	Ok
49	Q2176-06	PS030522.D	05 Jun 2025 07:17	AR\AJ	Ok,M
50	Q2176-07	PS030523.D	05 Jun 2025 07:41	AR\AJ	Ok,M
51	Q2176-08	PS030524.D	05 Jun 2025 08:05	AR\AJ	Ok
52	I.BLK	PS030525.D	05 Jun 2025 08:29	AR\AJ	Ok
53	HSTDCCC750	PS030526.D	05 Jun 2025 08:53	AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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 # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030474.D	04 Jun 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PS030475.D	04 Jun 2025 10:55		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030476.D	04 Jun 2025 11:19		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030477.D	04 Jun 2025 11:43		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030478.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030479.D	04 Jun 2025 12:31		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030480.D	04 Jun 2025 12:55		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060425	PS030481.D	04 Jun 2025 13:35		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030482.D	04 Jun 2025 13:59		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030483.D	04 Jun 2025 14:23		AR\AJ	Ok,M
11	PB168207BL	PB168207BL	PS030484.D	04 Jun 2025 14:47		AR\AJ	Ok
12	PB168207BS	PB168207BS	PS030485.D	04 Jun 2025 15:12		AR\AJ	Ok,M
13	Q1872-17	HW0425-PT-HERB-SO	PS030486.D	04 Jun 2025 15:36	Need dilution	AR\AJ	Dilution
14	Q1872-17DL	HW0425-PT-HERB-SO	PS030487.D	04 Jun 2025 16:00		AR\AJ	Ok,M
15	I.BLK	I.BLK	PS030488.D	04 Jun 2025 16:26		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030489.D	04 Jun 2025 16:50		AR\AJ	Ok,M
17	Q2159-01	TP05-MHO-WC	PS030490.D	04 Jun 2025 17:14		AR\AJ	Ok
18	Q2160-01	TP04-MHG-WC	PS030491.D	04 Jun 2025 17:38		AR\AJ	Ok

Alliance TECHNICAL GROUP
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 # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2160-05	TP05-MHH-WC	PS030492.D	04 Jun 2025 18:02		AR\AJ	Ok
20	Q2173-06	OR-400-CF-402B-COM	PS030493.D	04 Jun 2025 18:26		AR\AJ	Ok,M
21	Q2173-12	OR-400-CF-402B-COM	PS030494.D	04 Jun 2025 18:51		AR\AJ	Ok,M
22	Q2173-18	OR-400-CF-402B-COM	PS030495.D	04 Jun 2025 19:15		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030496.D	04 Jun 2025 19:39		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030497.D	04 Jun 2025 20:03		AR\AJ	Ok,M
25	Q2173-06MS	OR-400-CF-402B-COM	PS030498.D	04 Jun 2025 20:51	Comp#1,3 recovery fail	AR\AJ	Ok,M
26	Q2173-06MSD	OR-400-CF-402B-COM	PS030499.D	04 Jun 2025 21:15	Comp#1,3,14 recovery fail ,RPD Fail	AR\AJ	Ok,M
27	Q2160-05MS	TP05-MHH-WCMS	PS030500.D	04 Jun 2025 21:40	Comp#1,10 recovery fail	AR\AJ	Ok,M
28	Q2160-05MSD	TP05-MHH-WCMSD	PS030501.D	04 Jun 2025 22:04	Comp#1,10 recovery fail	AR\AJ	Ok,M
29	Q2172-01	TP06-MHQ	PS030502.D	04 Jun 2025 22:28		AR\AJ	Ok
30	Q2185-01	TP02-MHB-WC	PS030503.D	04 Jun 2025 22:52		AR\AJ	Ok,M
31	Q2185-05	TP01-MHA-WC	PS030504.D	04 Jun 2025 23:16		AR\AJ	Ok
32	I.BLK	I.BLK	PS030505.D	04 Jun 2025 23:40		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030506.D	05 Jun 2025 00:04		AR\AJ	Ok,M
34	Q2177-03	B-187-SB01	PS030507.D	05 Jun 2025 00:52		AR\AJ	Ok,M
35	Q2177-05	B-187-SB02	PS030508.D	05 Jun 2025 01:16		AR\AJ	Ok
36	Q2177-07	B-202-SB01	PS030509.D	05 Jun 2025 01:40		AR\AJ	Ok,M
37	PB168263BL	PB168263BL	PS030510.D	05 Jun 2025 02:04		AR\AJ	Ok

Alliance TECHNICAL GROUP
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 # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB168263BS	PB168263BS	PS030511.D	05 Jun 2025 02:28		AR\AJ	Ok,M
39	PB168224TB	PB168224TB	PS030512.D	05 Jun 2025 02:53		AR\AJ	Ok
40	PB168254BL	PB168254BL	PS030513.D	05 Jun 2025 03:17		AR\AJ	Ok
41	PB168254BS	PB168254BS	PS030514.D	05 Jun 2025 03:41		AR\AJ	Ok,M
42	I.BLK	I.BLK	PS030515.D	05 Jun 2025 04:05		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS030516.D	05 Jun 2025 04:29		AR\AJ	Ok,M
44	Q2176-01	TP-46	PS030517.D	05 Jun 2025 05:17		AR\AJ	Ok
45	Q2176-02	TP-56	PS030518.D	05 Jun 2025 05:41		AR\AJ	Ok,M
46	Q2176-03	TP-25	PS030519.D	05 Jun 2025 06:05		AR\AJ	Ok
47	Q2176-04	TP-26	PS030520.D	05 Jun 2025 06:29	Surrogate low in both column	AR\AJ	Not Ok
48	Q2176-05	TP-28	PS030521.D	05 Jun 2025 06:53		AR\AJ	Ok
49	Q2176-06	TP-27	PS030522.D	05 Jun 2025 07:17		AR\AJ	Ok,M
50	Q2176-07	TP-31	PS030523.D	05 Jun 2025 07:41		AR\AJ	Ok,M
51	Q2176-08	TP-65	PS030524.D	05 Jun 2025 08:05		AR\AJ	Ok
52	I.BLK	I.BLK	PS030525.D	05 Jun 2025 08:29		AR\AJ	Ok
53	HSTDCCC750	HSTDCCC750	PS030526.D	05 Jun 2025 08:53		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

SOP ID : M1311-TCLP-16

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 : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : 10 N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	JP /TCLP Room	SJS. RS 1Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168224

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168224

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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

Q2177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177 **WorkList ID :** 189871 **Department :** TCLP Extraction **Date :** 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311

1169 of 1738

Date/Time 06/02/25 15:00

Raw Sample Received by: WC

Raw Sample Relinquished by: SM

Date/Time 06/02/25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168263

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/03/2025
Matrix :	Water			**Extraction Start Time :**	11:15
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	17:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,7	**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	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24601
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	EP2621
NAOH 6N	N/A	EP2606
12N H2SO4	N/A	EP2605
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2618
Hexane	N/A	E3938
N/A	N/A	N/A
N/A	N/A	N/A
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 # 03-40BTS723.

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
6/3/25	RS (Ext-lab)	R. Post/PCB Lab.
17:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168263

Analytical Method: M8151A-Herbicide-23

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP Herbicide	100	6	ritesh	RUPESH	10			SEP-1
PB168263BL	HBLK263	TCLP Herbicide	1000	6	ritesh	RUPESH	10			2
PB168263BS	HLCS263	TCLP Herbicide	1000	6	ritesh	RUPESH	10			3
Q2173-06	OR-400-CF-402B-COMP-23	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		4
Q2173-06MS	OR-400-CF-402B-COMP-23MS	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		5
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		6
Q2173-12	OR-400-CF-402B-COMP-24	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		7
Q2173-18	OR-400-CF-402B-COMP-25	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		8
Q2177-03	B-187-SB01	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		9
Q2177-05	B-187-SB02	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		10
Q2177-07	B-202-SB01	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		11

RS
6/3

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 12:59	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	1	0.17	1.19	mg/kg	FC069184.D
Aliphatic C12-C16	Aliphatic C12-C16	3.37		1	0.13	0.79	mg/kg	FC069184.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.15	1.19	mg/kg	FC069184.D
Aliphatic C21-C28	Aliphatic C21-C28	5.91		1	0.63	1.58	mg/kg	FC069184.D
Aliphatic C28-C40	Aliphatic C28-C40	6.40		1	1.40	2.37	mg/kg	FC069184.D
Aromatic C10-C12	Aromatic C10-C12	0.46	J	1	0.14	0.79	mg/kg	FD049482.D
Aromatic C12-C16	Aromatic C12-C16	0.63	J	1	0.27	1.19	mg/kg	FD049482.D
Aromatic C16-C21	Aromatic C16-C21	2.27		1	0.47	1.98	mg/kg	FD049482.D
Aromatic C21-C36	Aromatic C21-C36	1.89	J	1	1.41	3.16	mg/kg	FD049482.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.25	J		2.30	7.12	mg/kg	
Total EPH	Total EPH	22.7			4.78	14.2	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069184.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	3.37		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.91		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.40		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.5		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02	Acq On:	12 Jun 2025 12:59
Client Sample ID:	B-187-SB01	Operator:	YP/AJ
Data file:	FC069184.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	3.305	6.606	1466205	13.869	300	ug/ml
Aliphatic C12-C16	6.607	10.010	4348269	42.636	200	ug/ml
Aliphatic C16-C21	10.011	13.380	808828	8.265	300	ug/ml
Aliphatic C21-C28	13.381	17.048	7021300	74.851	400	ug/ml
Aliphatic C28-C40	17.049	22.036	7653268	81.039	600	ug/ml
Aliphatic EPH	3.305	22.036	21297870	220.66		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	5605383	62.48		ug/ml
Aliphatic C9-C28	3.305	17.048	13644602	139.621	1200	ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049482.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.46	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.63	J	0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.27		0.47	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.89	J	1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	23.8		40 - 140	48%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	21.8		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.6		40 - 140	83%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02	Acq On:	13 Jun 2025 08:25
Client Sample ID:	B-187-SB01	Operator:	YP/AJ
Data file:	FD049482.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	4.424	6.168	980709	5.86	200	ug/ml
Aromatic C12-C16	6.169	8.796	1494000	7.967	300	ug/ml
Aromatic C16-C21	8.797	13.086	5301973	28.7	500	ug/ml
Aromatic C21-C36	13.087	18.508	3472592	23.939	800	ug/ml
Aromatic EPH	4.424	18.508	11249274	66.466		ug/ml
2-Bromonaphthalene (SURR)	7.732	7.732	3952894	23.78		ug/ml
2-Flurobiphenyl (SURR)	8.597	8.597	2498647	21.84		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	8349277	41.6		ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 14:21	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.58	J	1	0.22	1.59	mg/kg	FC069186.D
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	1	0.18	1.06	mg/kg	FC069186.D
Aliphatic C16-C21	Aliphatic C16-C21	0.91	J	1	0.21	1.59	mg/kg	FC069186.D
Aliphatic C21-C28	Aliphatic C21-C28	2.31		1	0.84	2.12	mg/kg	FC069186.D
Aliphatic C28-C40	Aliphatic C28-C40	2.32	J	1	1.88	3.18	mg/kg	FC069186.D
Aromatic C10-C12	Aromatic C10-C12	0.74	J	1	0.19	1.06	mg/kg	FD049460.D
Aromatic C12-C16	Aromatic C12-C16	0.58	J	1	0.37	1.59	mg/kg	FD049460.D
Aromatic C16-C21	Aromatic C16-C21	7.19		1	0.64	2.65	mg/kg	FD049460.D
Aromatic C21-C36	Aromatic C21-C36	5.81		1	1.89	4.24	mg/kg	FD049460.D
Total AliphaticEPH	Total AliphaticEPH	6.95	J		3.33	9.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	14.3			3.08	9.54	mg/kg	
Total EPH	Total EPH	21.3			6.41	19.1	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069186.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.58	J	0.22	1.59	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.82	J	0.18	1.06	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.91	J	0.21	1.59	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		2.31		0.84	2.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.32	J	1.88	3.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-04	Acq On:	12 Jun 2025 14:21
Client Sample ID:	B-187-SB02	Operator:	YP/AJ
Data file:	FC069186.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	3.305	6.606	575906	5.448	300	ug/ml
Aliphatic C12-C16	6.607	10.010	791129	7.757	200	ug/ml
Aliphatic C16-C21	10.011	13.380	843112	8.615	300	ug/ml
Aliphatic C21-C28	13.381	17.048	2042466	21.774	400	ug/ml
Aliphatic C28-C40	17.049	22.036	2065583	21.872	600	ug/ml
Aliphatic EPH	3.305	22.036	6318196	65.466		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2742024	30.56		ug/ml
Aliphatic C9-C28	3.305	17.048	4252613	43.594	1200	ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049460.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.74	J	0.19	1.06	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.58	J	0.37	1.59	mg/kg
Aromatic C16-C21	Aromatic C16-C21	7.19		0.64	2.65	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.81		1.89	4.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.9		40 - 140	74%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-04	Acq On:	12 Jun 2025 14:21
Client Sample ID:	B-187-SB02	Operator:	YP/AJ
Data file:	FD049460.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	4.424	6.168	1159141	6.927	200	ug/ml
Aromatic C12-C16	6.169	8.797	1031347	5.5	300	ug/ml
Aromatic C16-C21	8.798	13.088	12510638	67.72	500	ug/ml
Aromatic C21-C36	13.089	18.510	7942940	54.757	800	ug/ml
Aromatic EPH	4.424	18.510	22644066	134.904		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6129577	36.87		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	4107675	35.91		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7466601	37.2		ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
06/11/25 08:45	06/12/25 13:40	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.24	J	1	0.16	1.17	mg/kg	FC069185.D
Aliphatic C12-C16	Aliphatic C12-C16	0.39	J	1	0.13	0.78	mg/kg	FC069185.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.15	1.17	mg/kg	FC069185.D
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	1	0.62	1.56	mg/kg	FC069185.D
Aliphatic C28-C40	Aliphatic C28-C40	1.82	J	1	1.38	2.34	mg/kg	FC069185.D
Aromatic C10-C12	Aromatic C10-C12	0.35	J	1	0.14	0.78	mg/kg	FD049459.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.27	1.17	mg/kg	FD049459.D
Aromatic C16-C21	Aromatic C16-C21	2.92		1	0.47	1.95	mg/kg	FD049459.D
Aromatic C21-C36	Aromatic C21-C36	2.05	J	1	1.39	3.12	mg/kg	FD049459.D
Total AliphaticEPH	Total AliphaticEPH	2.79	J		2.44	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.73	J		2.27	7.02	mg/kg	
Total EPH	Total EPH	8.52	J		4.71	14.0	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
FC069185.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.24	J	0.16	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.39	J	0.13	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.34	J	0.15	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.62	U	0.62	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.82	J	1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-06	Acq On:	12 Jun 2025 13:40
Client Sample ID:	B-202-SB01	Operator:	YP/AJ
Data file:	FC069185.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	3.305	6.606	328654	3.109	300	ug/ml
Aliphatic C12-C16	6.607	10.010	504678	4.949	200	ug/ml
Aliphatic C16-C21	10.011	13.380	428982	4.383	300	ug/ml
Aliphatic C21-C28	13.381	17.048	730151	7.784	400	ug/ml
Aliphatic C28-C40	17.049	22.036	2208942	23.39	600	ug/ml
Aliphatic EPH	3.305	22.036	4201407	43.615		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2903246	32.36		ug/ml
Aliphatic C9-C28	3.305	17.048	1992465	20.225	1200	ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
FD049459.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	J	0.14	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.41	J	0.27	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.92		0.47	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.05	J	1.39	3.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.8		40 - 140	82%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-06	Acq On:	12 Jun 2025 13:40
Client Sample ID:	B-202-SB01	Operator:	YP/AJ
Data file:	FD049459.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	4.424	6.168	757353	4.526	200	ug/ml
Aromatic C12-C16	6.169	8.797	978175	5.216	300	ug/ml
Aromatic C16-C21	8.798	13.088	6923910	37.479	500	ug/ml
Aromatic C21-C36	13.089	18.510	3805918	26.237	800	ug/ml
Aromatic EPH	4.424	18.510	12465356	73.458		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7498843	37.36		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6787663	40.83		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	4648646	40.64		ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 18:17	PB168324

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.10	U	1	9.10	33.0	ug/l	FC069137.D
Aliphatic C12-C16	Aliphatic C12-C16	14.8	U	1	14.8	22.0	ug/l	FC069137.D
Aliphatic C16-C21	Aliphatic C16-C21	12.4	J	1	9.16	33.0	ug/l	FC069137.D
Aliphatic C21-C28	Aliphatic C21-C28	13.7	U	1	13.7	44.0	ug/l	FC069137.D
Aliphatic C28-C40	Aliphatic C28-C40	56.6	J	1	26.2	65.9	ug/l	FC069137.D
Aromatic C10-C12	Aromatic C10-C12	7.74	J	1	2.27	22.0	ug/l	FD049418.D
Aromatic C12-C16	Aromatic C12-C16	12.7	J	1	4.68	33.0	ug/l	FD049418.D
Aromatic C16-C21	Aromatic C16-C21	52.9	J	1	9.09	54.9	ug/l	FD049418.D
Aromatic C21-C36	Aromatic C21-C36	26.2	U	1	26.2	87.9	ug/l	FD049418.D
Total AliphaticEPH	Total AliphaticEPH	73.0	U		73.0	198	ug/l	
Total AromaticEPH	Total AromaticEPH	73.3	J		42.2	198	ug/l	
Total EPH	Total EPH	142	J		115	396	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069137.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.10	U	9.10	33.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	14.8	U	14.8	22.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	12.4	J	9.16	33.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	13.7	U	13.7	44.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.6	J	26.2	65.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-08	Acq On:	09 Jun 2025 18:17
Client Sample ID:	EB05312025	Operator:	YP/AJ
Data file:	FC069137.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	396914	3.754	300	ug/ml
Aliphatic C12-C16	6.603	10.008	653553	6.408	200	ug/ml
Aliphatic C16-C21	10.009	13.379	553487	5.656	300	ug/ml
Aliphatic C21-C28	13.380	17.047	413903	4.412	400	ug/ml
Aliphatic C28-C40	17.048	22.037	2432383	25.756	600	ug/ml
Aliphatic EPH	3.299	22.037	4450240	45.987		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3449755	38.45		ug/ml
Aliphatic C9-C28	3.299	17.047	2017857	20.23	1200	ug/ml

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049418.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.74	J	2.27	22.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	12.7	J	4.68	33.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	52.9	J	9.09	54.9	ug/l
Aromatic C21-C36	Aromatic C21-C36	26.2	U	26.2	87.9	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.8		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.0		40 - 140	88%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-08	Acq On:	09 Jun 2025 18:17
Client Sample ID:	EB05312025	Operator:	YP/AJ
Data file:	FD049418.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	7697301	44.248		ug/ml
2-Flurobiphenyl (SURR)	8.600	8.600	5429129	47.46		ug/ml
ortho-Terphenyl (SURR)	11.648	11.648	8823947	43.96		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	8111967	48.8		ug/ml
Aromatic C10-C12	4.424	6.169	589264	3.521	200	ug/ml
Aromatic C12-C16	6.170	8.798	1086281	5.793	300	ug/ml
Aromatic C16-C21	8.799	13.089	4442554	24.048	500	ug/ml
Aromatic C21-C36	13.090	18.512	1579202	10.887	800	ug/ml

QC SUMMARY

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FC060925AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168324BL	60			0
PB168324BS	75			0
PB168324BSD	78			0
EB05312025	77			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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FC061125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168408BL	60			0
PB168408BS	76			0
PB168408BSD	77			0
B-187-SB01MS	139			0
B-187-SB01MSD	136			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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FC061225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
B-187-SB01	125			0
B-187-SB02	61			0
B-202-SB01	65			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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FD060925AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168324BL	62	61	58	0
PB168324BS	68	67	57	0
PB168324BSD	63	62	53	0
EB05312025	98	95	88	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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FD061125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168408BL	67	65	63	0
PB168408BS	73	72	62	0
PB168408BSD	67	66	57	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FD061225AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-187-SB02	74	72	74	0
B-202-SB01	82	81	75	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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Run Number: FD061325AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-187-SB01	48	44	83	0
B-187-SB01MS	76	74	65	0
B-187-SB01MSD	77	75	66	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

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

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : Q2177-02MS **Datafile:** FC069165.D **Client ID :** B-187-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.9	1.10	7.50	54		(40-140)
Aliphatic C12-C16	7.9	3.37	9.37	76		(40-140)
Aliphatic C16-C21	11.9	0.65	8.98	70		(40-140)
Aliphatic C21-C28	15.8	5.91	17.2	71		(40-140)
Aliphatic C28-C40	23.7	6.40	22.5	68		(40-140)

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : Q2177-02MSD **Datafile:** FC069166.D **Client ID :** B-187-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	11.9	1.10	7.51	54		0.19 |	(40-140)	50
Aliphatic C12-C16	7.9	3.37	9.32	75		0.79 |	(40-140)	50
Aliphatic C16-C21	11.9	0.65	8.85	69		1.58 |	(40-140)	50
Aliphatic C21-C28	15.8	5.91	16.7	68		4.44 |	(40-140)	50
Aliphatic C28-C40	23.7	6.40	22.3	67		1.19 |	(40-140)	50

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : Q2177-02MS **Datafile:** FD049484.D **Client ID :** B-187-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.9	0.46	2.67	28	*	(40-140)
Aromatic C12-C16	11.9	0.63	4.47	32	*	(40-140)
Aromatic C16-C21	19.8	2.27	10.5	42		(40-140)
Aromatic C21-C36	31.6	1.89	15.7	44		(40-140)

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : Q2177-02MSD **Datafile:** FD049485.D **Client ID :** B-187-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	7.9	0.46	2.73	29	*	2.83 |	(40-140)	50
Aromatic C12-C16	11.9	0.63	4.61	34	*	3.64 |	(40-140)	50
Aromatic C16-C21	19.8	2.27	10.6	42		1.43 |	(40-140)	50
Aromatic C21-C36	31.6	1.89	15.8	44		0.91 |	(40-140)	50

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168324BS **Datafile:** FC069135.D **Client ID :** PB168324BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	148	49		(40-140)
Aliphatic C12-C16	200	123	62		(40-140)
Aliphatic C16-C21	300	209	70		(40-140)
Aliphatic C21-C28	400	298	74		(40-140)
Aliphatic C28-C40	600	420	70		(40-140)

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168324BSD **Datafile:** FC069136.D **Client ID :** PB168324BSD

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		4.7|	(40-140)	25
Aliphatic C12-C16	200	128	64		4|	(40-140)	25
Aliphatic C16-C21	300	216	72		3.2|	(40-140)	25
Aliphatic C21-C28	400	305	76		2.3|	(40-140)	25
Aliphatic C28-C40	600	443	74		5.3|	(40-140)	25

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168408BS **Datafile:** FC069158.D **Client ID :** PB168408BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	4.97	50		(40-140)
Aliphatic C12-C16	6.7	4.11	62		(40-140)
Aliphatic C16-C21	10	7.02	70		(40-140)
Aliphatic C21-C28	13.3	10.0	75		(40-140)
Aliphatic C28-C40	20.0	14.6	73		(40-140)

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168408BSD **Datafile:** FC069159.D **Client ID :** PB168408BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.03	50		1.3|	(40-140)	25
Aliphatic C12-C16	6.7	4.15	62		0.98|	(40-140)	25
Aliphatic C16-C21	10	7.07	71		0.8|	(40-140)	25
Aliphatic C21-C28	13.3	10.1	76		1.1|	(40-140)	25
Aliphatic C28-C40	20.0	15.0	75		2.8|	(40-140)	25

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168324BS **Datafile:** FD049416.D **Client ID :** PB168324BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	91.0	46		(40-140)
Aromatic C12-C16	300	143	48		(40-140)
Aromatic C16-C21	500	271	54		(40-140)
Aromatic C21-C36	800	515	64		(40-140)

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168324BSD **Datafile:** FD049417.D **Client ID :** PB168324BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	83.6	42		8.5|	(40-140)	25
Aromatic C12-C16	300	132	44		8.1|	(40-140)	25
Aromatic C16-C21	500	254	51		6.5|	(40-140)	25
Aromatic C21-C36	800	494	62		4.2|	(40-140)	25

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168408BS **Datafile:** FD049433.D **Client ID :** PB168408BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.20	48		(40-140)
Aromatic C12-C16	10	5.11	51		(40-140)
Aromatic C16-C21	16.7	9.80	59		(40-140)
Aromatic C21-C36	26.6	18.5	69		(40-140)

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177

Sample No : PB168408BSD **Datafile:** FD049434.D **Client ID :** PB168408BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	2.95	44		8|	(40-140)	25
Aromatic C12-C16	10	4.68	47		8.7|	(40-140)	25
Aromatic C16-C21	16.7	9.01	54		8.3|	(40-140)	25
Aromatic C21-C36	26.6	17.5	66		5.5|	(40-140)	25

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

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168324BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: FID_C Lab Sample ID: PB168324BL

Matrix: (soil/water) Water Date Extracted: 6/6/2025 9:10:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168324BS	PB168324BS
PB168324BSD	PB168324BSD
EB05312025	Q2177-08

COMMENTS:

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

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB168408BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: FID_C Lab Sample ID: PB168408BL

Matrix: (soil/water) Solid Date Extracted: 6/11/2025 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
PB168408BS	PB168408BS
PB168408BSD	PB168408BSD
B-187-SB01	Q2177-02
B-187-SB01MS	Q2177-02MS
B-187-SB01MSD	Q2177-02MSD
B-187-SB02	Q2177-04
B-202-SB01	Q2177-06

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:	PB168324BL	SDG No.:	Q2177
Lab Sample ID:	PB168324BL	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
06/06/25 09:10	06/09/25 16:17	PB168324

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FC069134.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC069134.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC069134.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC069134.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC069134.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049415.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049415.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049415.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049415.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	38.4	U		38.4	180	ug/l	
Total EPH	Total EPH	105	U		105	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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:	PB168324BL	SDG No.:	Q2177
Lab Sample ID:	PB168324BL	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
FC069134.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BL	Acq On:	09 Jun 2025 16:17
Client Sample ID:	PB168324BL	Operator:	YP/AJ
Data file:	FC069134.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	3.299	6.602	0	0	300	ug/ml
Aliphatic C12-C16	6.603	10.008	0	0	200	ug/ml
Aliphatic C16-C21	10.009	13.379	0	0	300	ug/ml
Aliphatic C21-C28	13.380	17.047	0	0	400	ug/ml
Aliphatic C28-C40	17.048	22.037	0	0	600	ug/ml
Aliphatic EPH	3.299	22.037	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2680219	29.88		ug/ml
Aliphatic C9-C28	3.299	17.047	0	0	1200	ug/ml

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:	PB168324BL		SDG No.:	Q2177	
Lab Sample ID:	PB168324BL		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
FD049415.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	31.2		40 - 140	62%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	30.3		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BL	Acq On:	09 Jun 2025 16:17
Client Sample ID:	PB168324BL	Operator:	YP/AJ
Data file:	FD049415.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5192860	31.24		ug/ml
2-Flurobiphenyl (SURR)	8.598	8.598	3467147	30.31		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	5861022	29.2		ug/ml
Aromatic C10-C12	4.424	6.169	0	0	200	ug/ml
Aromatic C12-C16	6.170	8.798	0	0	300	ug/ml
Aromatic C16-C21	8.799	13.089	0	0	500	ug/ml
Aromatic C21-C36	13.090	18.512	0	0	800	ug/ml

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:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	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
06/11/25 08:45	06/11/25 16:33	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FC069157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC069157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC069157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC069157.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069157.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049432.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049432.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049432.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049432.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	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

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:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	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
FC069157.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FC069157.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	3.303	6.605	0	0	300	ug/ml
Aliphatic C12-C16	6.606	10.010	0	0	200	ug/ml
Aliphatic C16-C21	10.011	13.380	0	0	300	ug/ml
Aliphatic C21-C28	13.381	17.048	0	0	400	ug/ml
Aliphatic C28-C40	17.049	22.033	0	0	600	ug/ml
Aliphatic EPH	3.303	22.033	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2699214	30.09		ug/ml
Aliphatic C9-C28	3.303	17.048	0	0	1200	ug/ml

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:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	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
FD049432.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.6		40 - 140	67%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FD049432.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	4.424	6.168	0	0	200	ug/ml
Aromatic C12-C16	6.169	8.797	0	0	300	ug/ml
Aromatic C16-C21	8.798	13.088	0	0	500	ug/ml
Aromatic C21-C36	13.089	18.509	0	0	800	ug/ml
Aromatic EPH	4.424	18.509	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5580932	33.57		ug/ml
2-Flurobiphenyl (SURR)	8.598	8.598	3722980	32.54		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	6306403	31.42		ug/ml

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:	PB168324BS	SDG No.:	Q2177
Lab Sample ID:	PB168324BS	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
06/06/25 09:10	06/09/25 16:57	PB168324

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	148		1	8.28	30.0	ug/l	FC069135.D
Aliphatic C12-C16	Aliphatic C12-C16	123		1	13.5	20.0	ug/l	FC069135.D
Aliphatic C16-C21	Aliphatic C16-C21	209		1	8.34	30.0	ug/l	FC069135.D
Aliphatic C21-C28	Aliphatic C21-C28	298		1	12.5	40.0	ug/l	FC069135.D
Aliphatic C28-C40	Aliphatic C28-C40	420		1	23.8	60.0	ug/l	FC069135.D
Aromatic C10-C12	Aromatic C10-C12	91.0		1	2.07	20.0	ug/l	FD049416.D
Aromatic C12-C16	Aromatic C12-C16	143		1	4.26	30.0	ug/l	FD049416.D
Aromatic C16-C21	Aromatic C16-C21	271		1	8.27	50.0	ug/l	FD049416.D
Aromatic C21-C36	Aromatic C21-C36	515		1	23.8	80.0	ug/l	FD049416.D
Total AliphaticEPH	Total AliphaticEPH	1200			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1020			38.4	180	ug/l	
Total EPH	Total EPH	2220			105	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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:	PB168324BS	SDG No.:	Q2177
Lab Sample ID:	PB168324BS	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
FC069135.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	148		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	123		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	209		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	298		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	420		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BS	Acq On:	09 Jun 2025 16:57
Client Sample ID:	PB168324BS	Operator:	YP/AJ
Data file:	FC069135.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	3.299	6.602	7850856	74.263	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6291363	61.689	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10246363	104.699	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14009671	149.351	400	ug/ml
Aliphatic C28-C40	17.048	22.037	19850508	210.194	600	ug/ml
Aliphatic EPH	3.299	22.037	58248761	600.195		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3366566	37.53		ug/ml
Aliphatic C9-C28	3.299	17.047	38398253	390.002	1200	ug/ml

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:	PB168324BS		SDG No.:	Q2177	
Lab Sample ID:	PB168324BS		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
FD049416.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	91.0		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	143		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	271		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	515		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	34.1		40 - 140	68%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Alliance TECHNICAL GROUP

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BS	Acq On:	09 Jun 2025 16:57
Client Sample ID:	PB168324BS	Operator:	YP/AJ
Data file:	FD049416.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	83543638	510.779		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5669143	34.1		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	3820043	33.39		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	5766961	28.73		ug/ml
Aromatic C10-C12	4.424	6.169	7612744	45.491	200	ug/ml
Aromatic C12-C16	6.170	8.798	13453369	71.742	300	ug/ml
Aromatic C16-C21	8.799	13.089	25095627	135.843	500	ug/ml
Aromatic C21-C36	13.090	18.512	37381898	257.703	800	ug/ml

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:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	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
06/11/25 08:45	06/11/25 17:15	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.97		1	0.14	1.00	mg/kg	FC069158.D
Aliphatic C12-C16	Aliphatic C12-C16	4.11		1	0.11	0.67	mg/kg	FC069158.D
Aliphatic C16-C21	Aliphatic C16-C21	7.02		1	0.13	1.00	mg/kg	FC069158.D
Aliphatic C21-C28	Aliphatic C21-C28	10.0		1	0.53	1.33	mg/kg	FC069158.D
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1	1.18	2.00	mg/kg	FC069158.D
Aromatic C10-C12	Aromatic C10-C12	3.20		1	0.12	0.67	mg/kg	FD049433.D
Aromatic C12-C16	Aromatic C12-C16	5.11		1	0.23	1.00	mg/kg	FD049433.D
Aromatic C16-C21	Aromatic C16-C21	9.80		1	0.40	1.67	mg/kg	FD049433.D
Aromatic C21-C36	Aromatic C21-C36	18.5		1	1.19	2.66	mg/kg	FD049433.D
Total AliphaticEPH	Total AliphaticEPH	40.7			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	36.6			1.94	6.00	mg/kg	
Total EPH	Total EPH	77.3			4.03	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

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:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	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
FC069158.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		4.97		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		4.11		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		7.02		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		10.0		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		14.6		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

Alliance TECHNICAL GROUP

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FC069158.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	3.303	6.605	7878783	74.527	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6284249	61.619	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10319394	105.445	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14134902	150.686	400	ug/ml
Aliphatic C28-C40	17.049	22.033	20659158	218.757	600	ug/ml
Aliphatic EPH	3.303	22.033	59276486	611.033		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3406395	37.97		ug/ml
Aliphatic C9-C28	3.303	17.048	38617328	392.277	1200	ug/ml

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:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	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
FD049433.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.20		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.11		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	9.80		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	18.5		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.6		40 - 140	73%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FD049433.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	4.424	6.168	8036884	48.026	200	ug/ml
Aromatic C12-C16	6.169	8.797	14391225	76.743	300	ug/ml
Aromatic C16-C21	8.798	13.088	27187051	147.164	500	ug/ml
Aromatic C21-C36	13.089	18.509	40239912	277.406	800	ug/ml
Aromatic EPH	4.424	18.509	89855072	549.338		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6082670	36.59		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	4126519	36.07		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	6218341	30.98		ug/ml

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:	PB168324BSD	SDG No.:	Q2177
Lab Sample ID:	PB168324BSD	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
06/06/25 09:10	06/09/25 17:37	PB168324

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	155		1	8.28	30.0	ug/l	FC069136.D
Aliphatic C12-C16	Aliphatic C12-C16	128		1	13.5	20.0	ug/l	FC069136.D
Aliphatic C16-C21	Aliphatic C16-C21	216		1	8.34	30.0	ug/l	FC069136.D
Aliphatic C21-C28	Aliphatic C21-C28	305		1	12.5	40.0	ug/l	FC069136.D
Aliphatic C28-C40	Aliphatic C28-C40	443		1	23.8	60.0	ug/l	FC069136.D
Aromatic C10-C12	Aromatic C10-C12	83.6		1	2.07	20.0	ug/l	FD049417.D
Aromatic C12-C16	Aromatic C12-C16	132		1	4.26	30.0	ug/l	FD049417.D
Aromatic C16-C21	Aromatic C16-C21	254		1	8.27	50.0	ug/l	FD049417.D
Aromatic C21-C36	Aromatic C21-C36	494		1	23.8	80.0	ug/l	FD049417.D
Total AliphaticEPH	Total AliphaticEPH	1250			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	964			38.4	180	ug/l	
Total EPH	Total EPH	2210			105	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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:	PB168324BSD	SDG No.:	Q2177
Lab Sample ID:	PB168324BSD	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
FC069136.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	155		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	128		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	216		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	305		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	443		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BSD	Acq On:	09 Jun 2025 17:37
Client Sample ID:	PB168324BSD	Operator:	YP/AJ
Data file:	FC069136.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	3.299	6.602	8233812	77.885	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6547841	64.204	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10596367	108.275	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14345368	152.929	400	ug/ml
Aliphatic C28-C40	17.048	22.037	20933938	221.666	600	ug/ml
Aliphatic EPH	3.299	22.037	60657326	624.959		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3493029	38.94		ug/ml
Aliphatic C9-C28	3.299	17.047	39723388	403.293	1200	ug/ml

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:	PB168324BSD		SDG No.:	Q2177	
Lab Sample ID:	PB168324BSD		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
FD049417.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	83.6		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	132		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	254		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	494		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	31.5		40 - 140	63%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.7		40 - 140	53%	SPK: 50

Alliance TECHNICAL GROUP

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BSD	Acq On:	09 Jun 2025 17:37
Client Sample ID:	PB168324BSD	Operator:	YP/AJ
Data file:	FD049417.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	78760873	482.341		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5235013	31.49		ug/ml
2-Flurobiphenyl (SURR)	8.598	8.598	3547472	31.01		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	5354384	26.68		ug/ml
Aromatic C10-C12	4.424	6.169	6996325	41.808	200	ug/ml
Aromatic C12-C16	6.170	8.798	12430561	66.287	300	ug/ml
Aromatic C16-C21	8.799	13.089	23494396	127.175	500	ug/ml
Aromatic C21-C36	13.090	18.512	35839591	247.071	800	ug/ml

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:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 17:57	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.03		1	0.14	1.00	mg/kg	FC069159.D
Aliphatic C12-C16	Aliphatic C12-C16	4.15		1	0.11	0.67	mg/kg	FC069159.D
Aliphatic C16-C21	Aliphatic C16-C21	7.07		1	0.13	1.00	mg/kg	FC069159.D
Aliphatic C21-C28	Aliphatic C21-C28	10.1		1	0.53	1.33	mg/kg	FC069159.D
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.18	2.00	mg/kg	FC069159.D
Aromatic C10-C12	Aromatic C10-C12	2.95		1	0.12	0.67	mg/kg	FD049434.D
Aromatic C12-C16	Aromatic C12-C16	4.68		1	0.23	1.00	mg/kg	FD049434.D
Aromatic C16-C21	Aromatic C16-C21	9.01		1	0.40	1.67	mg/kg	FD049434.D
Aromatic C21-C36	Aromatic C21-C36	17.5		1	1.19	2.66	mg/kg	FD049434.D
Total AliphaticEPH	Total AliphaticEPH	41.4			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	34.1			1.94	6.00	mg/kg	
Total EPH	Total EPH	75.5			4.03	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

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:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069159.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.03		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.15		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.07		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.1		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.18	2.00	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

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FC069159.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	3.303	6.605	7987311	75.553	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6351024	62.274	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10389514	106.162	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14283947	152.275	400	ug/ml
Aliphatic C28-C40	17.049	22.033	21300229	225.545	600	ug/ml
Aliphatic EPH	3.303	22.033	60312025	621.808		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3465185	38.62		ug/ml
Aliphatic C9-C28	3.303	17.048	39011796	396.264	1200	ug/ml

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:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049434.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.95		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.68		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	9.01		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	17.5		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.5		40 - 140	67%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FD049434.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	4.424	6.168	7419926	44.339	200	ug/ml
Aromatic C12-C16	6.169	8.797	13190807	70.341	300	ug/ml
Aromatic C16-C21	8.798	13.088	25003970	135.346	500	ug/ml
Aromatic C21-C36	13.089	18.509	38067969	262.433	800	ug/ml
Aromatic EPH	4.424	18.509	83682672	512.46		ug/ml
2-Bromonaphthalene (SURR)	7.732	7.732	5575880	33.54		ug/ml
2-Flurobiphenyl (SURR)	8.598	8.598	3792496	33.15		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	5678306	28.29		ug/ml

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:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 22:09	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.50		1	0.17	1.19	mg/kg	FC069165.D
Aliphatic C12-C16	Aliphatic C12-C16	9.37		1	0.13	0.79	mg/kg	FC069165.D
Aliphatic C16-C21	Aliphatic C16-C21	8.98		1	0.15	1.19	mg/kg	FC069165.D
Aliphatic C21-C28	Aliphatic C21-C28	17.2		1	0.63	1.58	mg/kg	FC069165.D
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	1.40	2.37	mg/kg	FC069165.D
Aromatic C10-C12	Aromatic C10-C12	2.67		1	0.14	0.79	mg/kg	FD049484.D
Aromatic C12-C16	Aromatic C12-C16	4.47		1	0.27	1.19	mg/kg	FD049484.D
Aromatic C16-C21	Aromatic C16-C21	10.5		1	0.48	1.98	mg/kg	FD049484.D
Aromatic C21-C36	Aromatic C21-C36	15.7		1	1.41	3.16	mg/kg	FD049484.D
Total AliphaticEPH	Total AliphaticEPH	65.5			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	33.3			2.30	7.12	mg/kg	
Total EPH	Total EPH	98.9			4.78	14.2	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

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:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069165.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.50		0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.37		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.98		0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.2		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	69.3		40 - 140	139%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02MS	Acq On:	11 Jun 2025 22:09
Client Sample ID:	B-187-SB01MS	Operator:	YP/AJ
Data file:	FC069165.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	10028434	94.861	300	ug/ml
Aliphatic C12-C16	6.606	10.010	12078324	118.432	200	ug/ml
Aliphatic C16-C21	10.011	13.380	11106710	113.49	300	ug/ml
Aliphatic C21-C28	13.381	17.048	20368594	217.14	400	ug/ml
Aliphatic C28-C40	17.049	22.033	26847943	284.289	600	ug/ml
Aliphatic EPH	3.303	22.033	80430005	828.211		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	6218026	69.31		ug/ml
Aliphatic C9-C28	3.303	17.048	53582062	543.923	1200	ug/ml

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:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049484.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.67		0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.47		0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.5		0.48	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.7		1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.8		40 - 140	76%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MS	Acq On:	13 Jun 2025 09:48
Client Sample ID:	B-187-SB01MS	Operator:	YP/AJ
Data file:	FD049484.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	4.424	6.168	5645060	33.733	200	ug/ml
Aromatic C12-C16	6.169	8.796	10587299	56.458	300	ug/ml
Aromatic C16-C21	8.797	13.086	24624254	133.291	500	ug/ml
Aromatic C21-C36	13.087	18.508	28854300	198.916	800	ug/ml
Aromatic EPH	4.424	18.508	69710913	422.398		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6278432	37.77		ug/ml
2-Flurobiphenyl (SURR)	8.598	8.598	4233429	37.01		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	6518438	32.48		ug/ml

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:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
06/11/25 08:45	06/11/25 22:50	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.51		1	0.17	1.19	mg/kg	FC069166.D
Aliphatic C12-C16	Aliphatic C12-C16	9.32		1	0.13	0.79	mg/kg	FC069166.D
Aliphatic C16-C21	Aliphatic C16-C21	8.85		1	0.15	1.19	mg/kg	FC069166.D
Aliphatic C21-C28	Aliphatic C21-C28	16.7		1	0.63	1.58	mg/kg	FC069166.D
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.40	2.37	mg/kg	FC069166.D
Aromatic C10-C12	Aromatic C10-C12	2.73		1	0.14	0.79	mg/kg	FD049485.D
Aromatic C12-C16	Aromatic C12-C16	4.61		1	0.27	1.19	mg/kg	FD049485.D
Aromatic C16-C21	Aromatic C16-C21	10.6		1	0.47	1.98	mg/kg	FD049485.D
Aromatic C21-C36	Aromatic C21-C36	15.8		1	1.41	3.16	mg/kg	FD049485.D
Total AliphaticEPH	Total AliphaticEPH	64.7			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	33.7			2.30	7.12	mg/kg	
Total EPH	Total EPH	98.4			4.78	14.2	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

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:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FC069166.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.51		0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.32		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.85		0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.7		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	68.0		40 - 140	136%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02MSD	Acq On:	11 Jun 2025 22:50
Client Sample ID:	B-187-SB01MSD	Operator:	YP/AJ
Data file:	FC069166.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	10039489	94.965	300	ug/ml
Aliphatic C12-C16	6.606	10.010	12019786	117.858	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10951250	111.902	300	ug/ml
Aliphatic C21-C28	13.381	17.048	19867548	211.799	400	ug/ml
Aliphatic C28-C40	17.049	22.033	26623937	281.917	600	ug/ml
Aliphatic EPH	3.303	22.033	79502010	818.44		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	6098846	67.98		ug/ml
Aliphatic C9-C28	3.303	17.048	52878073	536.524	1200	ug/ml

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:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FD049485.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.73		0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.61		0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.6		0.47	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.8		1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.6		40 - 140	77%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	37.7		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Alliance TECHNICAL GROUP

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MSD	Acq On:	13 Jun 2025 10:28
Client Sample ID:	B-187-SB01MSD	Operator:	YP/AJ
Data file:	FD049485.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	5780149	34.54	200	ug/ml
Aromatic C12-C16	6.169	8.796	10942801	58.354	300	ug/ml
Aromatic C16-C21	8.797	13.086	24851315	134.52	500	ug/ml
Aromatic C21-C36	13.087	18.508	28939612	199.504	800	ug/ml
Aromatic EPH	4.424	18.508	70513877	426.918		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6422490	38.64		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	4310794	37.68		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	6612603	32.94		ug/ml

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC052425AL

AreaCount

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	30972986.000	14697820.000	6552580.000	3389981.000	1577245.000	
Aliphatic C12-C16	19730095.000	9409770.000	4233296.000	2174844.000	1026044.000	
Aliphatic C16-C21	27989044.000	13592271.000	6091143.000	3134146.000	1491343.000	
Aliphatic C21-C28	35203824.000	17414178.000	7749092.000	4002009.000	1940505.000	
Aliphatic C28-C40	51848700.000	25927287.000	11552782.000	6038750.000	3073121.000	
Aliphatic EPH	165744649.000	81041326.000	36178893.000	18739730.000	9108258.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105717.490666	5.423				
Aliphatic C12-C16	101985.435	5.679				
Aliphatic C16-C21	97865.0806664	5.889				
Aliphatic C21-C28	93803.915	6.254				
Aliphatic C28-C40	94439.0346664	8.107				
Aliphatic EPH	97587.1362218	6.302				

Concentration

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.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	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	103243.286666	97985.466666	109209.666666	112999.366666	105149.666666	
Aliphatic C12-C16	98650.475000	94097.700000	105832.400000	108742.200000	102604.400000	
Aliphatic C16-C21	93296.813333	90615.140000	101519.050000	104471.533333	99422.866666	

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

Inital Calibration Report for SequenceID : FC052425AL

Aliphatic C21-C28	88009.560000	87070.890000	96863.650000	100050.225000	97025.250000	
Aliphatic C28-C40	86414.500000	86424.290000	96273.183333	100645.833333	102437.366666	
Aliphatic EPH	92080.360555	90045.917777	100496.925000	104109.611111	101202.866666	

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

Inital Calibration Report for SequenceID : FD052425AR

AreaCount

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	33764721.000	17376581.000	6841824.000	3407467.000	1527158.000	
Aromatic C12-C16	56774252.000	29126947.000	11503062.000	5758553.000	2557965.000	
Aromatic C16-C21	74538707.000	38370069.000	15220909.000	7574275.000	3317737.000	
Aromatic C21-C36	130351882.000	67018652.000	26858131.000	13411159.000	5998437.000	
Aromatic EPH	295429562.000	151892249.000	60423926.000	30151454.000	13401297.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	167344.833	5.002				
Aromatic C12-C16	187525.5239996	5.151				
Aromatic C16-C21	184740.44	5.807				
Aromatic C21-C36	145057.8157772	4.704				
Aromatic EPH	163430.4633328	5.084				

Concentration

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.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	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	168823.605000	173765.810000	171045.600000	170373.350000	152715.800000	
Aromatic C12-C16	189247.506666	194179.646666	191717.700000	191951.766666	170531.000000	
Aromatic C16-C21	186346.767500	191850.345000	190261.362500	189356.875000	165886.850000	
Aromatic C21-C36	144835.424444	148930.337777	149211.838888	149012.877777	133298.600000	
Aromatic EPH	164127.534444	168769.165555	167844.238888	167508.077777	148903.300000	

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

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069133.D**						
Aliphatic C9-C12	6438999.000	60.000	3.299	6.602	107316.650	105717.491	-1.513
Aliphatic C12-C16	4050508.000	40.000	6.603	10.008	101262.700	101985.435	0.709
Aliphatic C16-C21	5664814.000	60.000	10.009	13.379	94413.567	97865.081	3.527
Aliphatic C21-C28	7292919.000	80.000	13.380	17.047	91161.488	93803.915	2.817
Aliphatic C28-C40	11227163.000	120.000	17.048	22.037	93559.692	94439.035	0.931
Aliphatic EPH	34674403.000	360.000	3.299	22.037	96317.786	97587.136	1.301

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	09 Jun 2025 12:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069133.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.299	6.602	6438999.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.008	4050508.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.379	5664814.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.047	7292919.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.037	11227163.000	120.000	ug/ml
Aliphatic EPH	3.299	22.037	34674403.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069140.D**						
Aliphatic C9-C12	6898571.000	60.000	3.299	6.602	114976.183	105717.491	-8.758
Aliphatic C12-C16	4221397.000	40.000	6.603	10.008	105534.925	101985.435	-3.480
Aliphatic C16-C21	5932054.000	60.000	10.009	13.379	98867.567	97865.081	-1.024
Aliphatic C21-C28	8098980.000	80.000	13.380	17.047	101237.250	93803.915	-7.924
Aliphatic C28-C40	12168142.000	120.000	17.048	22.037	101401.183	94439.035	-7.372
Aliphatic EPH	37319144.000	360.000	3.299	22.037	103664.289	97587.136	-6.227

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	09 Jun 2025 21:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069140.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.299	6.602	6898571.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.008	4221397.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.379	5932054.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.047	8098980.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.037	12168142.000	120.000	ug/ml
Aliphatic EPH	3.299	22.037	37319144.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069156.D**						
Aliphatic C9-C12	6783670.000	60.000	3.303	6.605	113061.167	105717.491	-6.947
Aliphatic C12-C16	4187470.000	40.000	6.606	10.010	104686.750	101985.435	-2.649
Aliphatic C16-C21	5888827.000	60.000	10.011	13.380	98147.117	97865.081	-0.288
Aliphatic C21-C28	8136653.000	80.000	13.381	17.048	101708.163	93803.915	-8.426
Aliphatic C28-C40	12161407.000	120.000	17.049	22.033	101345.058	94439.035	-7.313
Aliphatic EPH	37158027.000	360.000	3.303	22.033	103216.742	97587.136	-5.769

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Jun 2025 12:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069156.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.605	6783670.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.010	4187470.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5888827.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	8136653.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.033	12161407.000	120.000	ug/ml
Aliphatic EPH	3.303	22.033	37158027.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069168.D**						
Aliphatic C9-C12	6110551.000	60.000	3.303	6.605	101842.517	105717.491	3.665
Aliphatic C12-C16	3798337.000	40.000	6.606	10.010	94958.425	101985.435	6.890
Aliphatic C16-C21	5309111.000	60.000	10.011	13.380	88485.183	97865.081	9.585
Aliphatic C21-C28	7214648.000	80.000	13.381	17.048	90183.100	93803.915	3.860
Aliphatic C28-C40	10985455.000	120.000	17.049	22.033	91545.458	94439.035	3.064
Aliphatic EPH	33418102.000	360.000	3.303	22.033	92828.061	97587.136	4.877

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Jun 2025 00:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069168.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.605	6110551.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.010	3798337.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5309111.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7214648.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.033	10985455.000	120.000	ug/ml
Aliphatic EPH	3.303	22.033	33418102.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC061225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069183.D**						
Aliphatic C9-C12	6128822.000	60.000	3.305	6.606	102147.033	105717.491	3.377
Aliphatic C12-C16	3810297.000	40.000	6.607	10.010	95257.425	101985.435	6.597
Aliphatic C16-C21	5336149.000	60.000	10.011	13.380	88935.817	97865.081	9.124
Aliphatic C21-C28	7227579.000	80.000	13.381	17.048	90344.738	93803.915	3.688
Aliphatic C28-C40	10825792.000	120.000	17.049	22.036	90214.933	94439.035	4.473
Aliphatic EPH	33328639.000	360.000	3.305	22.036	92579.553	97587.136	5.131

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Jun 2025 12:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069183.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.305	6.606	6128822.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	3810297.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5336149.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7227579.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.036	10825792.000	120.000	ug/ml
Aliphatic EPH	3.305	22.036	33328639.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC061225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069191.D**						
Aliphatic C9-C12	5712750.000	60.000	3.305	6.606	95212.500	105717.491	9.937
Aliphatic C12-C16	3536714.000	40.000	6.607	10.010	88417.850	101985.435	13.303
Aliphatic C16-C21	4997704.000	60.000	10.011	13.380	83295.067	97865.081	14.888
Aliphatic C21-C28	7067909.000	80.000	13.381	17.048	88348.863	93803.915	5.815
Aliphatic C28-C40	11269620.000	120.000	17.049	22.036	93913.500	94439.035	0.556
Aliphatic EPH	32584697.000	360.000	3.305	22.036	90513.047	97587.136	7.249

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Jun 2025 19:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069191.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.305	6.606	5712750.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	3536714.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	4997704.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7067909.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.036	11269620.000	120.000	ug/ml
Aliphatic EPH	3.305	22.036	32584697.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049414.D**						
Aromatic C10-C12	6066366.000	40.000	4.424	6.169	151659.150	167344.833	9.373
Aromatic C12-C16	9855692.000	60.000	6.170	8.798	164261.533	187525.524	12.406
Aromatic C16-C21	12307850.000	80.000	8.799	13.089	153848.125	184740.440	16.722
Aromatic C21-C36	25693832.000	180.000	13.090	18.512	142743.511	145057.816	1.595
Aromatic EPH	53923740.000	360.000	4.424	18.512	149788.167	163430.463	8.347

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	09 Jun 2025 12:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049414.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.169	6066366.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	9855692.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	12307850.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.512	25693832.000	180.000	ug/ml
Aromatic EPH	4.424	18.512	53923740.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049421.D**						
Aromatic C10-C12	6920053.000	40.000	4.424	6.169	173001.325	167344.833	-3.380
Aromatic C12-C16	11045426.000	60.000	6.170	8.798	184090.433	187525.524	1.832
Aromatic C16-C21	13902265.000	80.000	8.799	13.089	173778.313	184740.440	5.934
Aromatic C21-C36	28417137.000	180.000	13.090	18.512	157872.983	145057.816	-8.835
Aromatic EPH	60284881.000	360.000	4.424	18.512	167458.003	163430.463	-2.464

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	09 Jun 2025 21:01
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049421.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.169	6920053.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	11045426.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	13902265.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.512	28417137.000	180.000	ug/ml
Aromatic EPH	4.424	18.512	60284881.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049430.D**						
Aromatic C10-C12	6205695.000	40.000	4.424	6.168	155142.375	167344.833	7.292
Aromatic C12-C16	9970470.000	60.000	6.169	8.797	166174.500	187525.524	11.386
Aromatic C16-C21	12701998.000	80.000	8.798	13.088	158774.975	184740.440	14.055
Aromatic C21-C36	25903906.000	180.000	13.089	18.509	143910.589	145057.816	0.791
Aromatic EPH	54782069.000	360.000	4.424	18.509	152172.414	163430.463	6.889

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Jun 2025 12:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049430.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6205695.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	9970470.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	12701998.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.509	25903906.000	180.000	ug/ml
Aromatic EPH	4.424	18.509	54782069.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049443.D**						
Aromatic C10-C12	6392686.000	40.000	4.424	6.168	159817.150	167344.833	4.498
Aromatic C12-C16	10225061.000	60.000	6.169	8.797	170417.683	187525.524	9.123
Aromatic C16-C21	13364565.000	80.000	8.798	13.088	167057.063	184740.440	9.572
Aromatic C21-C36	27341316.000	180.000	13.089	18.509	151896.200	145057.816	-4.714
Aromatic EPH	57323628.000	360.000	4.424	18.509	159232.300	163430.463	2.569

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	12 Jun 2025 00:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049443.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6392686.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10225061.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13364565.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.509	27341316.000	180.000	ug/ml
Aromatic EPH	4.424	18.509	57323628.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049458.D**						
Aromatic C10-C12	6695899.000	40.000	4.424	6.168	167397.475	167344.833	-0.031
Aromatic C12-C16	10638865.000	60.000	6.169	8.797	177314.417	187525.524	5.445
Aromatic C16-C21	13638806.000	80.000	8.798	13.088	170485.075	184740.440	7.716
Aromatic C21-C36	27741823.000	180.000	13.089	18.510	154121.239	145057.816	-6.248
Aromatic EPH	58715393.000	360.000	4.424	18.510	163098.314	163430.463	0.203

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	12 Jun 2025 12:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049458.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6695899.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10638865.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13638806.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.510	27741823.000	180.000	ug/ml
Aromatic EPH	4.424	18.510	58715393.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049462.D**						
Aromatic C10-C12	6448171.000	40.000	4.424	6.168	161204.275	167344.833	3.669
Aromatic C12-C16	10337061.000	60.000	6.169	8.797	172284.350	187525.524	8.128
Aromatic C16-C21	13644805.000	80.000	8.798	13.088	170560.063	184740.440	7.676
Aromatic C21-C36	28370633.000	180.000	13.089	18.510	157614.628	145057.816	-8.656
Aromatic EPH	58800670.000	360.000	4.424	18.510	163335.194	163430.463	0.058

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	12 Jun 2025 15:44
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049462.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6448171.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10337061.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13644805.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.510	28370633.000	180.000	ug/ml
Aromatic EPH	4.424	18.510	58800670.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049481.D**						
Aromatic C10-C12	6695791.000	40.000	4.424	6.168	167394.775	167344.833	-0.030
Aromatic C12-C16	10586658.000	60.000	6.169	8.796	176444.300	187525.524	5.909
Aromatic C16-C21	13509794.000	80.000	8.797	13.086	168872.425	184740.440	8.589
Aromatic C21-C36	27183534.000	180.000	13.087	18.508	151019.633	145057.816	-4.110
Aromatic EPH	57975777.000	360.000	4.424	18.508	161043.825	163430.463	1.460

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	13 Jun 2025 07:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049481.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6695791.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.796	10586658.000	60.000	ug/ml
Aromatic C16-C21	8.797	13.086	13509794.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.508	27183534.000	180.000	ug/ml
Aromatic EPH	4.424	18.508	57975777.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049489.D**						
Aromatic C10-C12	6667078.000	40.000	4.424	6.168	166676.950	167344.833	0.399
Aromatic C12-C16	10603581.000	60.000	6.169	8.796	176726.350	187525.524	5.759
Aromatic C16-C21	13634458.000	80.000	8.797	13.086	170430.725	184740.440	7.746
Aromatic C21-C36	27639906.000	180.000	13.087	18.508	153555.033	145057.816	-5.858
Aromatic EPH	58545023.000	360.000	4.424	18.508	162625.064	163430.463	0.493

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	13 Jun 2025 13:06
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049489.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6667078.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.796	10603581.000	60.000	ug/ml
Aromatic C16-C21	8.797	13.086	13634458.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.508	27639906.000	180.000	ug/ml
Aromatic EPH	4.424	18.508	58545023.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.119	5605383	62.481 ug/ml
Spiked Amount 50.000		Recovery = 124.96%	
Target Compounds			

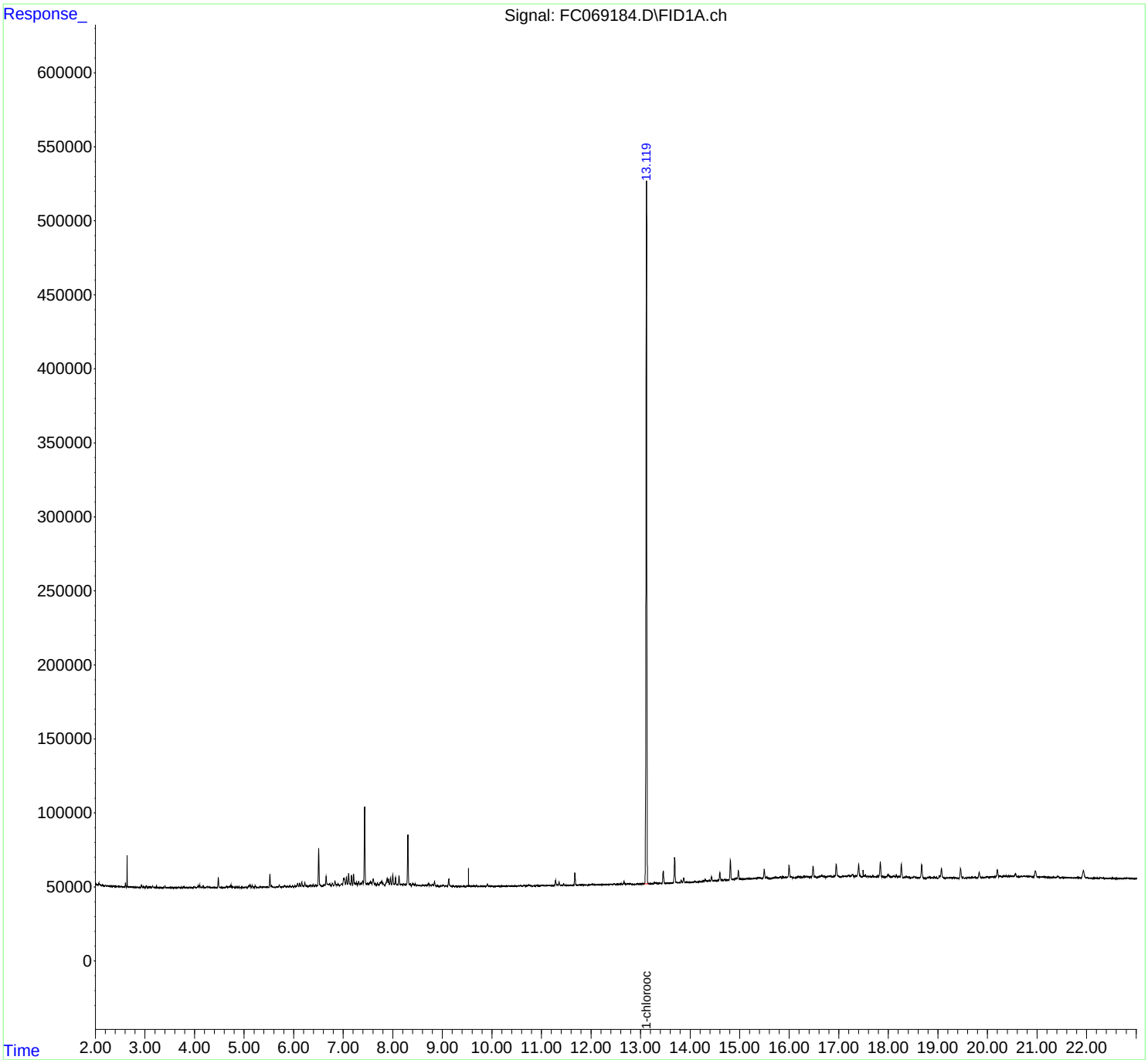
(f)=RT Delta > 1/2 Window (m)=manual int.

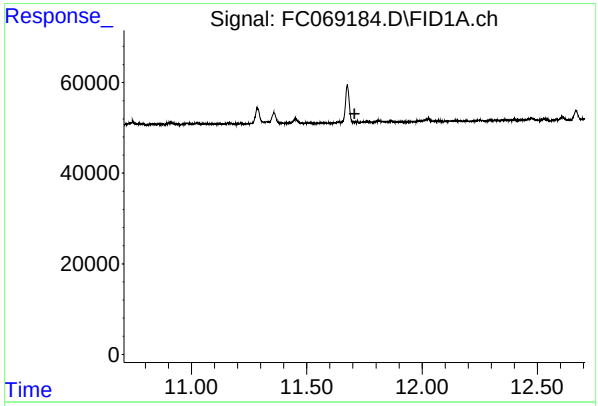
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

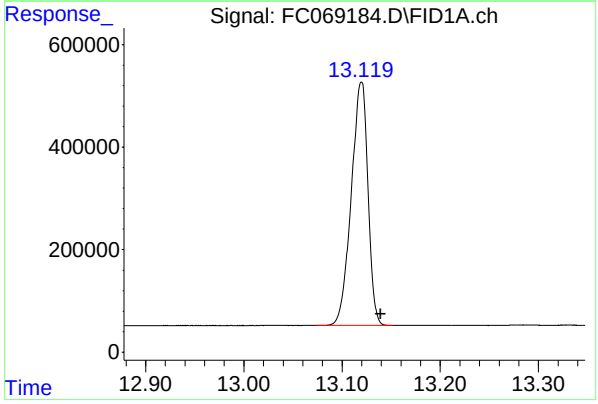




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-187-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.119 min
Delta R.T.: -0.020 min
Response: 5605383
Conc: 62.48 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.231	3.204	3.384	BV	262	661	0.01%	0.002%
2	3.405	3.384	3.438	PV	1398	14226	0.25%	0.053%
3	3.449	3.438	3.488	VV	147	2515	0.04%	0.009%
4	3.559	3.488	3.588	PV	151	5427	0.10%	0.020%
5	3.607	3.588	3.644	VV	301	4945	0.09%	0.018%
6	3.677	3.644	3.718	VV	399	8959	0.16%	0.033%
7	3.732	3.718	3.764	VV	419	5211	0.09%	0.019%
8	3.781	3.764	3.808	VV	788	10198	0.18%	0.038%
9	3.842	3.808	3.883	VV	315	7998	0.14%	0.030%
10	3.904	3.883	3.937	VV	473	7716	0.14%	0.029%
11	3.949	3.937	3.971	VV	126	1837	0.03%	0.007%
12	3.992	3.971	4.043	VV	515	12974	0.23%	0.048%
13	4.077	4.043	4.091	VV	1414	17766	0.31%	0.066%
14	4.106	4.091	4.127	VV	1923	18918	0.33%	0.070%
15	4.141	4.127	4.155	VV	420	4566	0.08%	0.017%
16	4.174	4.155	4.197	VV	1510	15498	0.27%	0.057%
17	4.209	4.197	4.215	VV	162	1327	0.02%	0.005%
18	4.257	4.215	4.273	VV	862	16958	0.30%	0.063%
19	4.288	4.273	4.316	VV	571	9274	0.16%	0.034%
20	4.326	4.316	4.368	VV	240	4867	0.09%	0.018%
21	4.396	4.368	4.418	VV	336	5965	0.11%	0.022%
22	4.437	4.418	4.453	VV	389	4926	0.09%	0.018%
23	4.480	4.453	4.514	VV	6985	70164	1.24%	0.260%
24	4.524	4.514	4.541	VV	368	4540	0.08%	0.017%
25	4.586	4.541	4.612	VV	352	10118	0.18%	0.037%
26	4.648	4.612	4.668	VV	953	15452	0.27%	0.057%
27	4.683	4.668	4.693	VV	588	6641	0.12%	0.025%
28	4.706	4.693	4.720	VV	889	9219	0.16%	0.034%
29	4.735	4.720	4.753	VV	1908	18855	0.33%	0.070%
30	4.766	4.753	4.779	VV	733	7723	0.14%	0.029%
31	4.790	4.779	4.804	VV	617	7210	0.13%	0.027%
32	4.814	4.804	4.828	VV	415	4652	0.08%	0.017%
33	4.855	4.828	4.875	VV	734	10627	0.19%	0.039%
34	4.896	4.875	4.915	VV	615	8538	0.15%	0.032%
35	4.930	4.915	4.944	VV	246	3529	0.06%	0.013%
36	4.960	4.944	4.980	VV	624	6644	0.12%	0.025%

rteres

37	5.005	4.980	5.020	VV	336	4924	0.09%	0.018%
38	5.035	5.020	5.064	VV	425	6687	0.12%	0.025%
39	5.092	5.064	5.104	PV	1459	14590	0.26%	0.054%
40	5.120	5.104	5.144	VV	2354	28491	0.50%	0.105%
41	5.162	5.144	5.194	VV	1761	24036	0.43%	0.089%
42	5.225	5.194	5.266	VV	1569	23588	0.42%	0.087%
43	5.279	5.266	5.304	VV	294	4458	0.08%	0.017%
44	5.324	5.304	5.368	VV	669	14811	0.26%	0.055%
45	5.385	5.368	5.406	VV	436	8517	0.15%	0.032%
46	5.417	5.406	5.431	VV	457	5457	0.10%	0.020%
47	5.446	5.431	5.458	VV	449	5502	0.10%	0.020%
48	5.473	5.458	5.496	VV	446	6805	0.12%	0.025%
49	5.521	5.496	5.541	VV	9035	91208	1.61%	0.338%
50	5.552	5.541	5.578	VV	1348	19119	0.34%	0.071%
51	5.590	5.578	5.606	VV	458	5980	0.11%	0.022%
52	5.620	5.606	5.631	VV	347	4394	0.08%	0.016%
53	5.710	5.631	5.746	VV	1832	38915	0.69%	0.144%
54	5.770	5.746	5.788	VV	708	11726	0.21%	0.043%
55	5.823	5.788	5.851	VV	1404	30387	0.54%	0.112%
56	5.872	5.851	5.903	VV	956	17936	0.32%	0.066%
57	5.922	5.903	5.955	VV	1063	20312	0.36%	0.075%
58	5.977	5.955	6.004	VV	1090	17980	0.32%	0.067%
59	6.026	6.004	6.043	VV	1068	17281	0.31%	0.064%
60	6.080	6.043	6.102	VV	2797	51784	0.92%	0.192%
61	6.122	6.102	6.141	VV	2833	37011	0.65%	0.137%
62	6.165	6.141	6.197	VV	3810	58644	1.04%	0.217%
63	6.226	6.197	6.244	VV	3398	47250	0.84%	0.175%
64	6.266	6.244	6.288	VV	1242	24475	0.43%	0.091%
65	6.319	6.288	6.328	VV	1070	22157	0.39%	0.082%
66	6.346	6.328	6.370	VV	1752	31609	0.56%	0.117%
67	6.389	6.370	6.417	VV	1927	35415	0.63%	0.131%
68	6.443	6.417	6.458	VV	1524	28731	0.51%	0.106%
69	6.468	6.458	6.476	VV	1307	13013	0.23%	0.048%
70	6.506	6.476	6.555	VV	26170	309111	5.47%	1.144%
71	6.570	6.555	6.584	VV	1224	17918	0.32%	0.066%
72	6.623	6.584	6.638	VV	1676	43478	0.77%	0.161%
73	6.656	6.638	6.679	VV	7346	97319	1.72%	0.360%
74	6.689	6.679	6.713	VV	2200	40663	0.72%	0.151%
75	6.728	6.713	6.758	VV	2682	46462	0.82%	0.172%
76	6.782	6.758	6.809	VV	2540	50207	0.89%	0.186%
77	6.835	6.809	6.859	VV	4157	75687	1.34%	0.280%
78	6.868	6.859	6.880	VV	1842	20948	0.37%	0.078%
79	6.900	6.880	6.930	VV	2121	50079	0.89%	0.185%
80	6.967	6.930	6.987	VV	2364	60572	1.07%	0.224%
81	7.009	6.987	7.047	VV	6209	148799	2.63%	0.551%
82	7.067	7.047	7.090	VV	6860	98542	1.74%	0.365%
83	7.111	7.090	7.146	VV	9203	141573	2.51%	0.524%
84	7.169	7.146	7.190	VV	7996	105721	1.87%	0.391%
85	7.211	7.190	7.252	VV	8913	141889	2.51%	0.525%
86	7.268	7.252	7.284	VV	3072	46565	0.82%	0.172%
87	7.313	7.284	7.331	VV	3879	74415	1.32%	0.275%
88	7.358	7.331	7.374	VV	2693	59402	1.05%	0.220%
89	7.394	7.374	7.409	VV	4206	65834	1.16%	0.244%

rteres

90	7.433	7.409	7.466	VV	54211	604340	10.69%	2.237%
91	7.484	7.466	7.511	VV	2424	56996	1.01%	0.211%
92	7.555	7.511	7.581	VV	3548	116870	2.07%	0.433%
93	7.606	7.581	7.633	VV	5620	112017	1.98%	0.415%
94	7.646	7.633	7.664	VV	2485	37345	0.66%	0.138%
95	7.694	7.664	7.717	VV	2783	60075	1.06%	0.222%
96	7.747	7.717	7.758	VV	3003	55429	0.98%	0.205%
97	7.777	7.758	7.793	VV	4110	64833	1.15%	0.240%
98	7.800	7.793	7.836	VV	2763	51713	0.92%	0.191%
99	7.888	7.836	7.902	VV	6045	127610	2.26%	0.472%
100	7.914	7.902	7.934	VV	5298	67733	1.20%	0.251%
101	7.955	7.934	7.978	VV	6247	87591	1.55%	0.324%
102	8.001	7.978	8.029	VV	8319	123421	2.18%	0.457%
103	8.057	8.029	8.081	VV	6480	96683	1.71%	0.358%
104	8.128	8.081	8.152	VV	7686	126944	2.25%	0.470%
105	8.164	8.152	8.198	VV	1776	44724	0.79%	0.166%
106	8.217	8.198	8.237	VV	2281	40245	0.71%	0.149%
107	8.255	8.237	8.277	VV	1694	37341	0.66%	0.138%
108	8.306	8.277	8.341	VV	35289	407839	7.22%	1.510%
109	8.355	8.341	8.377	VV	2397	36422	0.64%	0.135%
110	8.402	8.377	8.435	VV	2152	57416	1.02%	0.213%
111	8.451	8.435	8.483	VV	1831	40131	0.71%	0.149%
112	8.500	8.483	8.531	VV	1250	28278	0.50%	0.105%
113	8.545	8.531	8.571	VV	941	18452	0.33%	0.068%
114	8.596	8.571	8.607	VV	1050	18358	0.32%	0.068%
115	8.620	8.607	8.651	VV	1208	24686	0.44%	0.091%
116	8.667	8.651	8.693	VV	1265	24452	0.43%	0.091%
117	8.720	8.693	8.741	VV	1737	36866	0.65%	0.136%
118	8.756	8.741	8.781	VV	1419	25478	0.45%	0.094%
119	8.799	8.781	8.822	VV	1815	30612	0.54%	0.113%
120	8.844	8.822	8.873	VV	3532	51293	0.91%	0.190%
121	8.896	8.873	8.938	VV	1205	21850	0.39%	0.081%
122	8.995	8.938	9.010	VV	888	22360	0.40%	0.083%
123	9.027	9.010	9.049	VV	1129	17833	0.32%	0.066%
124	9.066	9.049	9.100	VV	540	13826	0.24%	0.051%
125	9.131	9.100	9.200	VV	5203	75432	1.33%	0.279%
126	9.217	9.200	9.244	VV	433	6573	0.12%	0.024%
127	9.271	9.244	9.292	VV	239	4886	0.09%	0.018%
128	9.317	9.292	9.338	VV	312	5094	0.09%	0.019%
129	9.373	9.338	9.384	VV	188	3790	0.07%	0.014%
130	9.432	9.384	9.481	VV	286	7790	0.14%	0.029%
131	9.503	9.481	9.538	VV	552	18433	0.33%	0.068%
132	9.549	9.538	9.568	VV	325	3908	0.07%	0.014%
133	9.588	9.568	9.620	VV	213	5158	0.09%	0.019%
134	9.643	9.620	9.667	VV	360	7070	0.13%	0.026%
135	9.690	9.667	9.727	VV	1043	13280	0.24%	0.049%
136	9.781	9.727	9.808	PV	254	5644	0.10%	0.021%
137	9.829	9.808	9.868	VV	437	6592	0.12%	0.024%
138	9.875	9.868	9.882	VV	145	619	0.01%	0.002%
139	9.910	9.882	9.964	VV	1744	23295	0.41%	0.086%
140	9.978	9.964	10.045	PV	144	4488	0.08%	0.017%
141	10.081	10.045	10.106	VV	113	2712	0.05%	0.010%

rteres

142	10.134	10.106	10.167	PV	296	4322	0.08%	0.016%
143	10.176	10.167	10.217	VV	106	2099	0.04%	0.008%
144	10.237	10.217	10.281	VV	131	4288	0.08%	0.016%
145	10.300	10.281	10.327	VV	310	5542	0.10%	0.021%
146	10.348	10.327	10.364	VV	291	3880	0.07%	0.014%
147	10.388	10.364	10.431	VV	287	6952	0.12%	0.026%
148	10.467	10.431	10.493	VV	268	4916	0.09%	0.018%
149	10.575	10.493	10.614	VV	328	15875	0.28%	0.059%
150	10.649	10.614	10.689	VV	752	15260	0.27%	0.056%
151	10.745	10.689	10.806	VV	853	20716	0.37%	0.077%
152	10.835	10.806	10.849	PV	246	4191	0.07%	0.016%
153	10.863	10.849	10.884	VV	221	3756	0.07%	0.014%
154	10.910	10.884	10.951	VV	625	11868	0.21%	0.044%
155	10.985	10.951	11.004	VV	306	6309	0.11%	0.023%
156	11.023	11.004	11.052	VV	338	6784	0.12%	0.025%
157	11.084	11.052	11.104	VV	240	5999	0.11%	0.022%
158	11.110	11.104	11.141	VV	234	3034	0.05%	0.011%
159	11.162	11.141	11.194	VV	287	6058	0.11%	0.022%
160	11.213	11.194	11.226	VV	228	2786	0.05%	0.010%
161	11.242	11.226	11.251	PV	162	1707	0.03%	0.006%
162	11.286	11.251	11.315	VV	3556	49812	0.88%	0.184%
163	11.325	11.315	11.338	VV	543	6682	0.12%	0.025%
164	11.358	11.338	11.405	VV	2500	36102	0.64%	0.134%
165	11.412	11.405	11.417	VV	244	1427	0.03%	0.005%
166	11.451	11.417	11.499	VV	1126	20821	0.37%	0.077%
167	11.508	11.499	11.537	VV	270	3754	0.07%	0.014%
168	11.546	11.537	11.561	VV	196	2319	0.04%	0.009%
169	11.578	11.561	11.604	VV	218	4367	0.08%	0.016%
170	11.637	11.604	11.651	VV	331	6011	0.11%	0.022%
171	11.676	11.651	11.731	VV	8452	100535	1.78%	0.372%
172	11.769	11.731	11.787	VV	407	10395	0.18%	0.038%
173	11.811	11.787	11.842	VV	604	12304	0.22%	0.046%
174	11.867	11.842	11.898	VV	472	10285	0.18%	0.038%
175	11.908	11.898	11.926	VV	309	4064	0.07%	0.015%
176	11.982	11.926	11.998	VV	411	12790	0.23%	0.047%
177	12.025	11.998	12.062	VV	855	20626	0.36%	0.076%
178	12.072	12.062	12.104	VV	429	8127	0.14%	0.030%
179	12.130	12.104	12.178	VV	437	15177	0.27%	0.056%
180	12.189	12.178	12.218	VV	411	7600	0.13%	0.028%
181	12.250	12.218	12.274	VV	470	12145	0.21%	0.045%
182	12.293	12.274	12.311	VV	491	8738	0.15%	0.032%
183	12.321	12.311	12.337	VV	470	6464	0.11%	0.024%
184	12.358	12.337	12.378	VV	515	10380	0.18%	0.038%
185	12.400	12.378	12.418	VV	671	11130	0.20%	0.041%
186	12.474	12.418	12.503	VV	822	27584	0.49%	0.102%
187	12.533	12.503	12.558	VV	566	14461	0.26%	0.054%
188	12.582	12.558	12.590	VV	488	7266	0.13%	0.027%
189	12.608	12.590	12.638	VV	984	17449	0.31%	0.065%
190	12.668	12.638	12.691	VV	2431	35833	0.63%	0.133%
191	12.704	12.691	12.714	VV	581	7490	0.13%	0.028%
192	12.731	12.714	12.764	VV	919	18079	0.32%	0.067%
193	12.787	12.764	12.867	VV	925	29055	0.51%	0.108%
194	12.885	12.867	12.903	VV	397	6837	0.12%	0.025%

rteres

195	12.949	12.903	12.991	VV	467	21441	0.38%	0.079%
196	13.030	12.991	13.058	VV	880	21547	0.38%	0.080%
197	13.119	13.058	13.188	VV	475064	5651077	100.00%	20.918%
198	13.223	13.188	13.248	VV	668	20462	0.36%	0.076%
199	13.283	13.248	13.311	VV	1471	35099	0.62%	0.130%
200	13.330	13.311	13.364	VV	1067	25116	0.44%	0.093%
201	13.387	13.364	13.426	VV	800	24447	0.43%	0.090%
202	13.458	13.426	13.495	VV	9201	126797	2.24%	0.469%
203	13.509	13.495	13.534	VV	827	17264	0.31%	0.064%
204	13.559	13.534	13.584	VV	893	23777	0.42%	0.088%
205	13.625	13.584	13.643	VV	839	26922	0.48%	0.100%
206	13.688	13.643	13.758	VV	18080	269266	4.76%	0.997%
207	13.820	13.758	13.843	VV	2754	69203	1.22%	0.256%
208	13.868	13.843	13.911	VV	4373	83036	1.47%	0.307%
209	13.926	13.911	13.951	VV	1431	29115	0.52%	0.108%
210	13.961	13.951	14.014	VV	1249	43966	0.78%	0.163%
211	14.041	14.014	14.054	VV	1244	27926	0.49%	0.103%
212	14.098	14.054	14.134	VV	1817	68990	1.22%	0.255%
213	14.144	14.134	14.168	VV	1477	27765	0.49%	0.103%
214	14.200	14.168	14.215	VV	1582	40899	0.72%	0.151%
215	14.261	14.215	14.271	VV	1775	51668	0.91%	0.191%
216	14.306	14.271	14.327	VV	3006	74571	1.32%	0.276%
217	14.337	14.327	14.355	VV	1987	31585	0.56%	0.117%
218	14.387	14.355	14.406	VV	2406	60755	1.08%	0.225%
219	14.432	14.406	14.470	VV	4709	103856	1.84%	0.384%
220	14.505	14.470	14.520	VV	2181	60841	1.08%	0.225%
221	14.531	14.520	14.541	VV	2132	26235	0.46%	0.097%
222	14.599	14.541	14.624	VV	7266	168138	2.98%	0.622%
223	14.636	14.624	14.652	VV	2472	38019	0.67%	0.141%
224	14.662	14.652	14.674	VV	2318	29954	0.53%	0.111%
225	14.697	14.674	14.745	VV	2969	104749	1.85%	0.388%
226	14.758	14.745	14.766	VV	2398	29543	0.52%	0.109%
227	14.811	14.766	14.853	VV	15767	293014	5.19%	1.085%
228	14.931	14.853	14.947	VV	3737	168590	2.98%	0.624%
229	14.973	14.947	15.001	VV	8720	166998	2.96%	0.618%
230	15.030	15.001	15.061	VV	3240	104975	1.86%	0.389%
231	15.070	15.061	15.097	VV	2871	59846	1.06%	0.222%
232	15.119	15.097	15.135	VV	3150	67704	1.20%	0.251%
233	15.170	15.135	15.206	VV	3320	133605	2.36%	0.495%
234	15.224	15.206	15.251	VV	3162	80840	1.43%	0.299%
235	15.258	15.251	15.268	VV	3036	30168	0.53%	0.112%
236	15.296	15.268	15.323	VV	3411	106628	1.89%	0.395%
237	15.327	15.323	15.336	VV	3176	25739	0.46%	0.095%
238	15.359	15.336	15.374	VV	3404	73562	1.30%	0.272%
239	15.401	15.374	15.449	VV	3695	155409	2.75%	0.575%
240	15.495	15.449	15.527	VV	9189	227157	4.02%	0.841%
241	15.543	15.527	15.614	VV	3760	173513	3.07%	0.642%
242	15.650	15.614	15.661	VV	3314	87780	1.55%	0.325%
243	15.678	15.661	15.698	VV	3638	75568	1.34%	0.280%
244	15.720	15.698	15.738	VV	3663	84465	1.49%	0.313%
245	15.759	15.738	15.775	VV	3696	77984	1.38%	0.289%
246	15.819	15.775	15.841	VV	3947	145979	2.58%	0.540%

rteres

247	15.860	15.841	15.875	VV	3848	77254	1.37%	0.286%
248	15.890	15.875	15.903	VV	3784	60258	1.07%	0.223%
249	15.920	15.903	15.943	VV	3958	87756	1.55%	0.325%
250	15.996	15.943	16.021	VV	11592	270401	4.78%	1.001%
251	16.038	16.021	16.075	VV	3945	119187	2.11%	0.441%
252	16.094	16.075	16.118	VV	3509	83938	1.49%	0.311%
253	16.168	16.118	16.184	VV	3928	143143	2.53%	0.530%
254	16.214	16.184	16.253	VV	3867	152479	2.70%	0.564%
255	16.309	16.253	16.325	VV	4136	161902	2.86%	0.599%
256	16.357	16.325	16.421	VV	4006	215898	3.82%	0.799%
257	16.480	16.421	16.549	VV	10908	377304	6.68%	1.397%
258	16.604	16.549	16.624	VV	3752	161732	2.86%	0.599%
259	16.643	16.624	16.673	VV	4358	120987	2.14%	0.448%
260	16.687	16.673	16.740	VV	4127	153917	2.72%	0.570%
261	16.752	16.740	16.760	VV	3838	42291	0.75%	0.157%
262	16.775	16.760	16.799	VV	4073	93406	1.65%	0.346%
263	16.815	16.799	16.828	VV	4137	68531	1.21%	0.254%
264	16.838	16.828	16.892	VV	4227	146230	2.59%	0.541%
265	16.948	16.892	17.036	VV	12220	446640	7.90%	1.653%
266	17.046	17.036	17.054	VV	3649	39235	0.69%	0.145%
267	17.101	17.054	17.138	VV	3878	185315	3.28%	0.686%
268	17.152	17.138	17.163	VV	3977	58099	1.03%	0.215%
269	17.203	17.163	17.247	VV	4406	203455	3.60%	0.753%
270	17.280	17.247	17.322	VV	4931	187649	3.32%	0.695%
271	17.339	17.322	17.354	VV	4113	73672	1.30%	0.273%
272	17.400	17.354	17.474	VV	11586	378823	6.70%	1.402%
273	17.491	17.474	17.551	VV	5056	177244	3.14%	0.656%
274	17.577	17.551	17.598	VV	3639	97512	1.73%	0.361%
275	17.620	17.598	17.644	VV	3484	94363	1.67%	0.349%
276	17.686	17.644	17.716	VV	4090	150771	2.67%	0.558%
277	17.730	17.716	17.751	VV	3428	70248	1.24%	0.260%
278	17.761	17.751	17.770	VV	3240	37408	0.66%	0.138%
279	17.788	17.770	17.808	VV	3705	78504	1.39%	0.291%
280	17.837	17.808	17.869	VV	13220	251819	4.46%	0.932%
281	17.890	17.869	17.933	VV	3324	118939	2.10%	0.440%
282	17.994	17.933	18.061	VV	4374	266480	4.72%	0.986%
283	18.072	18.061	18.085	VV	3012	43606	0.77%	0.161%
284	18.113	18.085	18.135	VV	3605	96158	1.70%	0.356%
285	18.162	18.135	18.181	VV	3870	92567	1.64%	0.343%
286	18.219	18.181	18.235	VV	3405	100950	1.79%	0.374%
287	18.261	18.235	18.301	VV	11353	217837	3.85%	0.806%
288	18.362	18.301	18.380	VV	3222	129031	2.28%	0.478%
289	18.392	18.380	18.462	VV	2791	121677	2.15%	0.450%
290	18.478	18.462	18.488	VV	2449	36076	0.64%	0.134%
291	18.526	18.488	18.556	VV	3139	108339	1.92%	0.401%
292	18.568	18.556	18.594	VV	2496	54119	0.96%	0.200%
293	18.603	18.594	18.621	VV	2226	34496	0.61%	0.128%
294	18.672	18.621	18.724	VV	10949	256297	4.54%	0.949%
295	18.736	18.724	18.754	VV	1880	32372	0.57%	0.120%
296	18.790	18.754	18.811	VV	2533	71396	1.26%	0.264%
297	18.826	18.811	18.851	VV	2328	54789	0.97%	0.203%
298	18.861	18.851	18.899	VV	2243	59206	1.05%	0.219%
299	18.926	18.899	18.950	VV	2463	65156	1.15%	0.241%

rteres

300	18.974	18.950	18.995	VV	2168	51854	0.92%	0.192%
301	19.027	18.995	19.043	VV	3403	71349	1.26%	0.264%
302	19.071	19.043	19.141	VV	8194	207761	3.68%	0.769%
303	19.155	19.141	19.164	VV	1675	22223	0.39%	0.082%
304	19.184	19.164	19.204	VV	2131	45505	0.81%	0.168%
305	19.215	19.204	19.227	VV	2025	26306	0.47%	0.097%
306	19.248	19.227	19.288	VV	2133	70347	1.24%	0.260%
307	19.312	19.288	19.341	VV	2063	59756	1.06%	0.221%
308	19.362	19.341	19.413	VV	1953	73055	1.29%	0.270%
309	19.457	19.413	19.491	VV	7890	167697	2.97%	0.621%
310	19.500	19.491	19.535	VV	1938	45940	0.81%	0.170%
311	19.554	19.535	19.567	VV	1728	29850	0.53%	0.110%
312	19.598	19.567	19.622	VV	1893	57727	1.02%	0.214%
313	19.643	19.622	19.671	VV	1882	50339	0.89%	0.186%
314	19.697	19.671	19.714	VV	1988	48096	0.85%	0.178%
315	19.743	19.714	19.798	VV	2189	91399	1.62%	0.338%
316	19.832	19.798	19.871	VV	5205	127007	2.25%	0.470%
317	19.886	19.871	19.915	VV	1923	47315	0.84%	0.175%
318	19.986	19.915	19.995	VV	2132	89176	1.58%	0.330%
319	20.004	19.995	20.038	VV	2153	51022	0.90%	0.189%
320	20.072	20.038	20.091	VV	2189	64263	1.14%	0.238%
321	20.112	20.091	20.168	VV	2329	93799	1.66%	0.347%
322	20.200	20.168	20.229	VV	6902	148979	2.64%	0.551%
323	20.260	20.229	20.293	VV	2659	90599	1.60%	0.335%
324	20.334	20.293	20.354	VV	2656	89691	1.59%	0.332%
325	20.361	20.354	20.399	VV	2540	64387	1.14%	0.238%
326	20.434	20.399	20.448	VV	2494	70502	1.25%	0.261%
327	20.468	20.448	20.524	VV	2651	111090	1.97%	0.411%
328	20.564	20.524	20.620	VV	3952	153712	2.72%	0.569%
329	20.646	20.620	20.664	VV	2197	54662	0.97%	0.202%
330	20.748	20.664	20.802	VV	2409	183287	3.24%	0.678%
331	20.816	20.802	20.836	VV	2189	42455	0.75%	0.157%
332	20.874	20.836	20.924	VV	2133	102853	1.82%	0.381%
333	20.968	20.924	21.057	VV	5620	209554	3.71%	0.776%
334	21.066	21.057	21.079	VV	1626	20014	0.35%	0.074%
335	21.117	21.079	21.161	VV	1640	76688	1.36%	0.284%
336	21.174	21.161	21.204	VV	1601	36985	0.65%	0.137%
337	21.243	21.204	21.258	VV	1364	42493	0.75%	0.157%
338	21.266	21.258	21.280	VV	1256	16187	0.29%	0.060%
339	21.324	21.280	21.384	VV	1490	78806	1.39%	0.292%
340	21.420	21.384	21.468	VV	1775	68852	1.22%	0.255%
341	21.481	21.468	21.490	VV	1117	14237	0.25%	0.053%
342	21.521	21.490	21.568	VV	1176	50168	0.89%	0.186%
343	21.575	21.568	21.605	VV	998	21392	0.38%	0.079%
344	21.618	21.605	21.658	VV	976	28769	0.51%	0.106%
345	21.670	21.658	21.734	VV	938	35445	0.63%	0.131%
346	21.741	21.734	21.784	VV	770	21631	0.38%	0.080%
347	21.814	21.784	21.844	VV	960	29614	0.52%	0.110%
348	21.856	21.844	21.869	VV	692	9396	0.17%	0.035%
349	21.937	21.869	22.001	VV	5767	164136	2.90%	0.608%
350	22.013	22.001	22.061	VV	737	20525	0.36%	0.076%
351	22.076	22.061	22.088	VV	489	7008	0.12%	0.026%

					rteres			
352	22.092	22.088	22.124	VV	487	8283	0.15%	0.031%
353	22.137	22.124	22.157	VV	486	7098	0.13%	0.026%
354	22.168	22.157	22.248	VV	398	17533	0.31%	0.065%
355	22.259	22.248	22.263	VV	345	2900	0.05%	0.011%
356	22.294	22.263	22.418	VV	483	22855	0.40%	0.085%
			Sum of corrected areas:			27015288		

Aliphatic EPH 052425.M Fri Jun 13 03:35:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049482.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 08:25
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 21:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.732	3952894	23.779 ug/ml
Spiked Amount 50.000		Recovery = 47.56%	
6) S 2-Flurobiphenyl (SURR)	8.597	2498647	21.842 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 43.68%	
11) S ortho-Terphenyl (SURR)	11.646	8349277	41.596 ug/ml
Spiked Amount 50.000		Recovery = 83.19%	
Target Compounds			

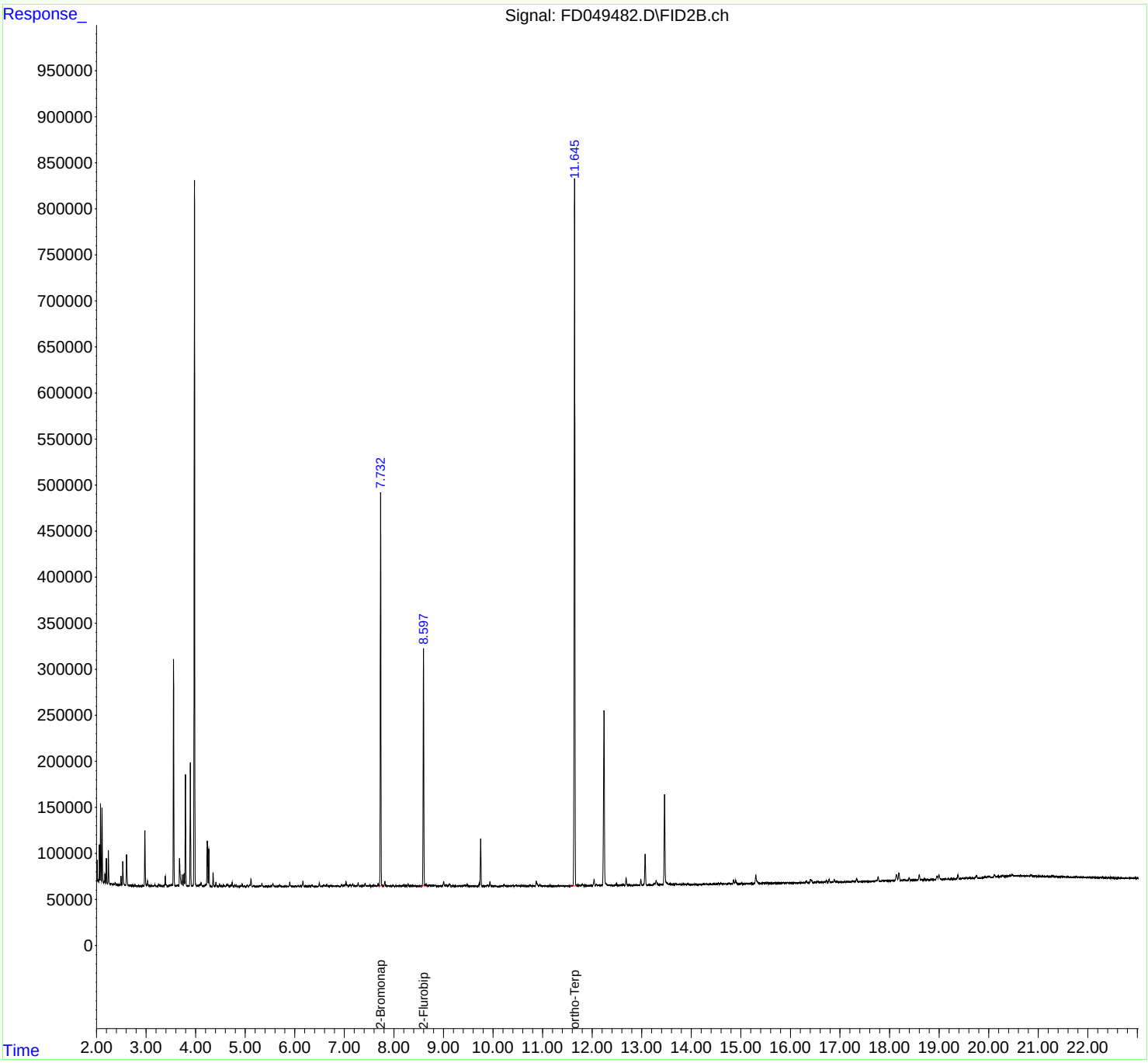
(f)=RT Delta > 1/2 Window (m)=manual int.

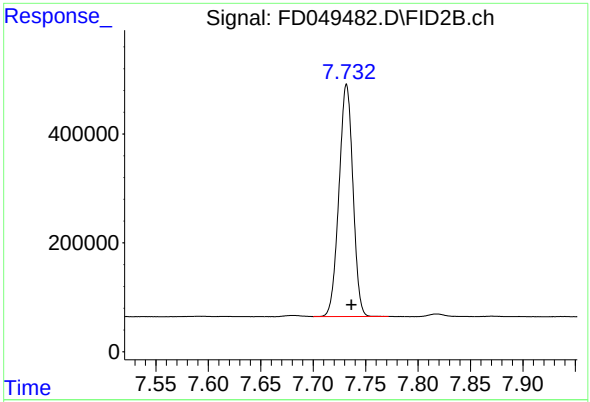
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049482.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 08:25
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 21:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

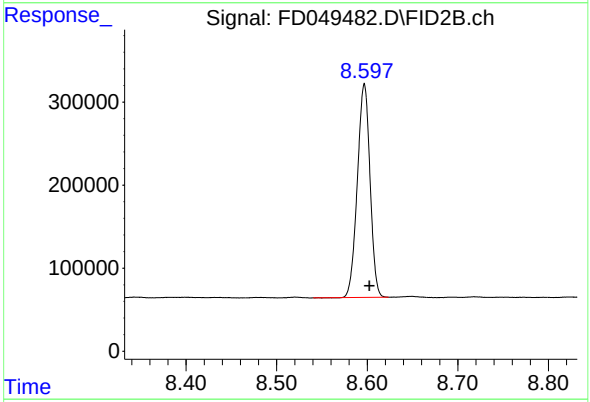




#4 2-Bromonaphthalene (SURR)

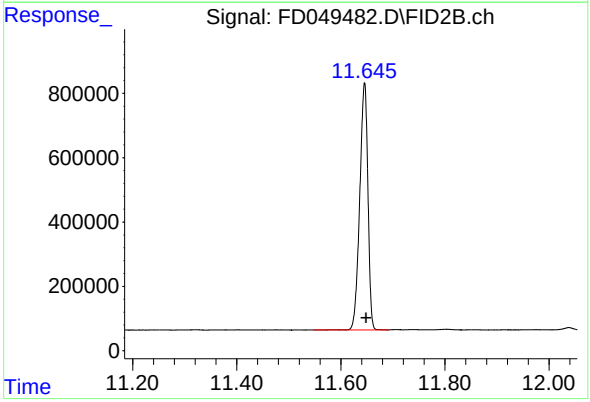
R.T.: 7.732 min
Delta R.T.: -0.004 min
Response: 3952894
Conc: 23.78 ug/ml

Instrument :
FID_D
ClientSampleId :
B-187-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.597 min
Delta R.T.: -0.005 min
Response: 2498647
Conc: 21.84 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.003 min
Response: 8349277
Conc: 41.60 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049482.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 08:25
Sample : Q2177-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.266	4.252	4.328	PH	40797	347734	4.16%	1.294%
2	4.353	4.328	4.394	PV	14659	128960	1.54%	0.480%
3	4.409	4.394	4.451	VV	4750	48031	0.57%	0.179%
4	4.482	4.461	4.500	VV	3140	30910	0.37%	0.115%
5	4.518	4.500	4.544	VV	1478	18745	0.22%	0.070%
6	4.560	4.544	4.588	VV	2128	24476	0.29%	0.091%
7	4.597	4.588	4.610	VV	605	5771	0.07%	0.021%
8	4.626	4.610	4.638	VV	2569	23718	0.28%	0.088%
9	4.650	4.638	4.674	VV	2890	31488	0.38%	0.117%
10	4.686	4.674	4.690	VV	623	4414	0.05%	0.016%
11	4.706	4.690	4.719	VV	2202	23636	0.28%	0.088%
12	4.736	4.719	4.759	VV	4863	48593	0.58%	0.181%
13	4.763	4.759	4.769	VV	360	1799	0.02%	0.007%
14	4.788	4.769	4.805	VV	2294	25410	0.30%	0.095%
15	4.816	4.805	4.829	VV	1262	12119	0.14%	0.045%
16	4.833	4.829	4.840	VV	486	2186	0.03%	0.008%
17	4.858	4.840	4.873	VV	629	6493	0.08%	0.024%
18	4.898	4.873	4.913	PV	881	10209	0.12%	0.038%
19	4.940	4.913	4.968	VV	2497	35437	0.42%	0.132%
20	4.979	4.968	5.003	VV	854	11444	0.14%	0.043%
21	5.012	5.003	5.020	VV	422	3090	0.04%	0.011%
22	5.040	5.020	5.074	VV	2339	34250	0.41%	0.127%
23	5.090	5.074	5.100	VV	2051	22054	0.26%	0.082%
24	5.116	5.100	5.150	VV	8553	96687	1.16%	0.360%
25	5.172	5.150	5.199	VV	1655	22330	0.27%	0.083%
26	5.225	5.199	5.255	VV	725	13225	0.16%	0.049%
27	5.282	5.255	5.289	VV	707	10286	0.12%	0.038%
28	5.293	5.289	5.300	VV	697	3710	0.04%	0.014%
29	5.310	5.300	5.322	VV	727	8303	0.10%	0.031%
30	5.337	5.322	5.372	VV	3862	42224	0.51%	0.157%
31	5.389	5.372	5.407	VV	548	8635	0.10%	0.032%
32	5.430	5.407	5.455	VV	624	11665	0.14%	0.043%
33	5.461	5.455	5.472	VV	438	3187	0.04%	0.012%
34	5.482	5.472	5.497	VV	515	6471	0.08%	0.024%
35	5.517	5.497	5.532	VV	1844	20695	0.25%	0.077%
36	5.560	5.532	5.581	VV	3295	51486	0.62%	0.192%

rteres

37	5.585	5.581	5.604	VV	739	6880	0.08%	0.026%
38	5.619	5.604	5.639	VV	827	11513	0.14%	0.043%
39	5.649	5.639	5.659	VV	583	4909	0.06%	0.018%
40	5.696	5.659	5.744	VV	2294	40153	0.48%	0.149%
41	5.767	5.744	5.784	VV	555	10004	0.12%	0.037%
42	5.814	5.784	5.844	VV	820	18272	0.22%	0.068%
43	5.845	5.844	5.849	VV	385	1124	0.01%	0.004%
44	5.872	5.849	5.883	VV	660	10353	0.12%	0.039%
45	5.898	5.883	5.945	VV	5018	57684	0.69%	0.215%
46	5.949	5.945	5.963	VV	444	4276	0.05%	0.016%
47	5.970	5.963	5.988	VV	565	5951	0.07%	0.022%
48	6.010	5.988	6.024	VV	832	12272	0.15%	0.046%
49	6.026	6.024	6.035	VV	576	3295	0.04%	0.012%
50	6.069	6.035	6.092	VV	1573	27504	0.33%	0.102%
51	6.115	6.092	6.136	VV	1292	19516	0.23%	0.073%
52	6.166	6.136	6.188	VV	5608	71857	0.86%	0.267%
53	6.218	6.188	6.244	VV	1092	20650	0.25%	0.077%
54	6.259	6.244	6.267	VV	464	5462	0.07%	0.020%
55	6.291	6.267	6.323	VV	876	19222	0.23%	0.072%
56	6.343	6.323	6.365	VV	1900	27290	0.33%	0.102%
57	6.371	6.365	6.392	VV	790	8893	0.11%	0.033%
58	6.395	6.392	6.402	VV	462	2391	0.03%	0.009%
59	6.411	6.402	6.425	VV	409	4826	0.06%	0.018%
60	6.430	6.425	6.437	VV	476	2685	0.03%	0.010%
61	6.450	6.437	6.474	VV	439	8345	0.10%	0.031%
62	6.496	6.474	6.525	VV	4369	49129	0.59%	0.183%
63	6.533	6.525	6.539	VV	502	3981	0.05%	0.015%
64	6.542	6.539	6.545	VV	481	1698	0.02%	0.006%
65	6.549	6.545	6.560	VV	584	4162	0.05%	0.015%
66	6.586	6.560	6.603	VV	2189	34236	0.41%	0.127%
67	6.616	6.603	6.627	VV	1033	11649	0.14%	0.043%
68	6.646	6.627	6.668	VV	2926	34966	0.42%	0.130%
69	6.679	6.668	6.699	VV	828	10578	0.13%	0.039%
70	6.718	6.699	6.736	VV	1610	18946	0.23%	0.071%
71	6.751	6.736	6.784	VV	1146	19113	0.23%	0.071%
72	6.825	6.784	6.841	VV	980	22178	0.27%	0.083%
73	6.864	6.841	6.915	VV	942	28834	0.34%	0.107%
74	6.940	6.915	6.945	VV	1485	14935	0.18%	0.056%
75	6.955	6.945	6.974	VV	1484	21265	0.25%	0.079%
76	6.993	6.974	7.006	VV	2054	28781	0.34%	0.107%
77	7.034	7.006	7.085	VV	5085	98044	1.17%	0.365%
78	7.118	7.085	7.138	VV	2766	48042	0.57%	0.179%
79	7.170	7.138	7.185	VV	3042	48508	0.58%	0.181%
80	7.197	7.185	7.212	VV	1436	16349	0.20%	0.061%
81	7.221	7.212	7.242	VV	920	12746	0.15%	0.047%
82	7.279	7.242	7.312	VV	4229	68259	0.82%	0.254%
83	7.317	7.312	7.324	VV	526	3263	0.04%	0.012%
84	7.334	7.324	7.368	VV	1194	22282	0.27%	0.083%
85	7.384	7.368	7.397	VV	1228	14616	0.17%	0.054%
86	7.418	7.397	7.444	VV	3590	51830	0.62%	0.193%
87	7.454	7.444	7.464	VV	909	9857	0.12%	0.037%
88	7.481	7.464	7.487	VV	1170	13132	0.16%	0.049%
89	7.490	7.487	7.495	VV	1053	4171	0.05%	0.016%

rteres

90	7.509	7.495	7.529	VV	1413	21507	0.26%	0.080%
91	7.538	7.529	7.559	VV	758	11759	0.14%	0.044%
92	7.592	7.559	7.606	VV	1440	27391	0.33%	0.102%
93	7.620	7.606	7.628	VV	1059	12298	0.15%	0.046%
94	7.633	7.628	7.643	VV	896	7104	0.08%	0.026%
95	7.649	7.643	7.654	VV	786	4294	0.05%	0.016%
96	7.655	7.654	7.664	VV	767	4132	0.05%	0.015%
97	7.681	7.664	7.700	VV	2894	39723	0.48%	0.148%
98	7.732	7.700	7.779	VV	427622	3997153	47.82%	14.878%
99	7.783	7.779	7.797	VV	955	8092	0.10%	0.030%
100	7.818	7.797	7.856	VV	5606	79088	0.95%	0.294%
101	7.871	7.856	7.891	VV	1577	21846	0.26%	0.081%
102	7.896	7.891	7.921	VV	912	12068	0.14%	0.045%
103	7.939	7.921	7.962	VV	955	14455	0.17%	0.054%
104	7.983	7.962	8.011	VV	1673	22602	0.27%	0.084%
105	8.040	8.011	8.055	VV	1351	18182	0.22%	0.068%
106	8.075	8.055	8.092	VV	900	14923	0.18%	0.056%
107	8.112	8.092	8.133	VV	1063	18062	0.22%	0.067%
108	8.136	8.133	8.150	VV	554	5436	0.07%	0.020%
109	8.154	8.150	8.158	VV	571	2485	0.03%	0.009%
110	8.197	8.158	8.234	VV	1562	48532	0.58%	0.181%
111	8.245	8.234	8.268	VV	956	14108	0.17%	0.053%
112	8.286	8.268	8.307	VV	3315	39754	0.48%	0.148%
113	8.314	8.307	8.319	VV	580	3860	0.05%	0.014%
114	8.344	8.319	8.365	VV	1331	22323	0.27%	0.083%
115	8.384	8.365	8.393	VV	1005	14017	0.17%	0.052%
116	8.399	8.393	8.424	VV	1142	16616	0.20%	0.062%
117	8.435	8.424	8.464	VV	894	15304	0.18%	0.057%
118	8.483	8.464	8.502	VV	925	15198	0.18%	0.057%
119	8.521	8.502	8.537	VV	1259	16417	0.20%	0.061%
120	8.597	8.537	8.625	VV	258318	2539556	30.38%	9.452%
121	8.649	8.625	8.676	VV	2154	43923	0.53%	0.163%
122	8.694	8.676	8.705	VV	1276	17213	0.21%	0.064%
123	8.719	8.705	8.739	VV	1712	25706	0.31%	0.096%
124	8.747	8.739	8.764	VV	1215	16781	0.20%	0.062%
125	8.773	8.764	8.784	VV	1174	11948	0.14%	0.044%
126	8.796	8.784	8.805	VV	1020	11539	0.14%	0.043%
127	8.824	8.805	8.836	VV	1394	20850	0.25%	0.078%
128	8.840	8.836	8.872	VV	1295	16890	0.20%	0.063%
129	8.893	8.872	8.909	VV	794	13291	0.16%	0.049%
130	8.915	8.909	8.928	VV	568	5980	0.07%	0.022%
131	8.938	8.928	8.953	VV	799	9798	0.12%	0.036%
132	8.970	8.953	8.976	VV	811	8932	0.11%	0.033%
133	9.005	8.976	9.030	VV	5376	78731	0.94%	0.293%
134	9.043	9.030	9.056	VV	1515	19505	0.23%	0.073%
135	9.064	9.056	9.083	VV	1241	16109	0.19%	0.060%
136	9.124	9.083	9.160	VV	2924	63996	0.77%	0.238%
137	9.168	9.160	9.178	VV	733	6532	0.08%	0.024%
138	9.191	9.178	9.222	VV	1059	18407	0.22%	0.069%
139	9.246	9.222	9.267	VV	923	14522	0.17%	0.054%
140	9.290	9.267	9.314	VV	890	17317	0.21%	0.064%
141	9.330	9.314	9.370	VV	895	20198	0.24%	0.075%

rteres

142	9.394	9.370	9.400	VV	948	12768	0.15%	0.048%
143	9.408	9.400	9.415	VV	894	7739	0.09%	0.029%
144	9.430	9.415	9.455	VV	1427	25151	0.30%	0.094%
145	9.474	9.455	9.497	VV	2007	33154	0.40%	0.123%
146	9.502	9.497	9.517	VV	589	5899	0.07%	0.022%
147	9.521	9.517	9.538	VV	549	5973	0.07%	0.022%
148	9.572	9.538	9.597	VV	870	19543	0.23%	0.073%
149	9.612	9.597	9.622	VV	757	9428	0.11%	0.035%
150	9.626	9.622	9.650	VV	707	9785	0.12%	0.036%
151	9.655	9.650	9.675	VV	536	7054	0.08%	0.026%
152	9.681	9.675	9.693	VV	566	5059	0.06%	0.019%
153	9.720	9.693	9.732	VV	3594	40897	0.49%	0.152%
154	9.751	9.732	9.783	VV	52028	527561	6.31%	1.964%
155	9.798	9.783	9.829	VV	664	15424	0.18%	0.057%
156	9.834	9.829	9.860	VV	523	6342	0.08%	0.024%
157	9.897	9.860	9.916	VV	1422	30274	0.36%	0.113%
158	9.938	9.916	9.961	VV	5204	58581	0.70%	0.218%
159	9.966	9.961	9.977	VV	721	5736	0.07%	0.021%
160	9.984	9.977	10.012	VV	611	8396	0.10%	0.031%
161	10.022	10.012	10.027	VV	417	2818	0.03%	0.010%
162	10.031	10.027	10.034	VV	361	1106	0.01%	0.004%
163	10.042	10.034	10.047	VV	334	2622	0.03%	0.010%
164	10.056	10.047	10.092	VV	458	7010	0.08%	0.026%
165	10.106	10.092	10.118	PV	329	2345	0.03%	0.009%
166	10.133	10.118	10.150	VV	422	5385	0.06%	0.020%
167	10.159	10.150	10.165	VV	437	2812	0.03%	0.010%
168	10.224	10.165	10.246	VV	2800	46189	0.55%	0.172%
169	10.250	10.246	10.258	VV	604	3622	0.04%	0.013%
170	10.271	10.258	10.292	VV	730	11618	0.14%	0.043%
171	10.310	10.292	10.327	VV	718	10846	0.13%	0.040%
172	10.331	10.327	10.339	VV	521	3400	0.04%	0.013%
173	10.354	10.339	10.382	VV	776	17454	0.21%	0.065%
174	10.402	10.382	10.421	VV	1360	20197	0.24%	0.075%
175	10.466	10.421	10.495	VV	1682	38628	0.46%	0.144%
176	10.521	10.495	10.537	VV	921	18288	0.22%	0.068%
177	10.569	10.537	10.587	VV	787	18605	0.22%	0.069%
178	10.605	10.587	10.632	VV	1059	21306	0.25%	0.079%
179	10.642	10.632	10.655	VV	623	6715	0.08%	0.025%
180	10.675	10.655	10.695	VV	858	13715	0.16%	0.051%
181	10.713	10.695	10.727	VV	874	12634	0.15%	0.047%
182	10.753	10.727	10.775	VV	1377	25929	0.31%	0.097%
183	10.778	10.775	10.794	VV	562	5107	0.06%	0.019%
184	10.814	10.794	10.834	VV	702	13129	0.16%	0.049%
185	10.872	10.834	10.921	VV	5955	112971	1.35%	0.420%
186	10.947	10.921	10.978	VV	2220	39681	0.47%	0.148%
187	10.990	10.978	11.004	VV	640	8947	0.11%	0.033%
188	11.008	11.004	11.013	VV	472	2249	0.03%	0.008%
189	11.031	11.013	11.042	VV	713	10355	0.12%	0.039%
190	11.045	11.042	11.061	VV	674	6618	0.08%	0.025%
191	11.068	11.061	11.099	VV	549	8984	0.11%	0.033%
192	11.105	11.099	11.110	VV	409	2180	0.03%	0.008%
193	11.125	11.110	11.143	VV	588	9113	0.11%	0.034%
194	11.156	11.143	11.181	VV	1138	14976	0.18%	0.056%

rteres

195	11.187	11.181	11.193	VV	407	1804	0.02%	0.007%
196	11.199	11.193	11.208	VV	300	1483	0.02%	0.006%
197	11.220	11.208	11.226	VV	309	1945	0.02%	0.007%
198	11.238	11.226	11.241	VV	405	2173	0.03%	0.008%
199	11.251	11.241	11.278	VV	563	7752	0.09%	0.029%
200	11.292	11.278	11.304	VV	490	5042	0.06%	0.019%
201	11.319	11.304	11.343	VV	1057	13368	0.16%	0.050%
202	11.377	11.343	11.387	PV	617	10422	0.12%	0.039%
203	11.402	11.387	11.427	VV	713	12726	0.15%	0.047%
204	11.431	11.427	11.436	VV	439	1918	0.02%	0.007%
205	11.439	11.436	11.451	VV	374	2612	0.03%	0.010%
206	11.478	11.451	11.507	VV	634	11266	0.13%	0.042%
207	11.524	11.507	11.534	VV	374	3721	0.04%	0.014%
208	11.560	11.534	11.565	VV	378	4848	0.06%	0.018%
209	11.579	11.565	11.609	VV	733	15102	0.18%	0.056%
210	11.646	11.609	11.692	VV	768969	8359387	100.00%	31.114%
211	11.707	11.692	11.720	VV	1224	15239	0.18%	0.057%
212	11.739	11.720	11.764	VV	1123	21865	0.26%	0.081%
213	11.804	11.764	11.837	VV	2352	46942	0.56%	0.175%
214	11.852	11.837	11.878	VV	812	11239	0.13%	0.042%
215	11.901	11.878	11.905	VV	345	3522	0.04%	0.013%
216	11.913	11.905	11.930	VV	503	5201	0.06%	0.019%
217	11.937	11.930	11.942	VV	330	2245	0.03%	0.008%
218	11.977	11.942	12.008	VV	889	20678	0.25%	0.077%
219	12.038	12.008	12.062	VV	7271	94762	1.13%	0.353%
220	12.083	12.062	12.113	VV	1825	28706	0.34%	0.107%
221	12.142	12.113	12.177	VV	962	20327	0.24%	0.076%
222	12.240	12.177	12.317	VV	190636	2482838	29.70%	9.241%
223	12.322	12.317	12.342	VV	821	9917	0.12%	0.037%
224	12.356	12.342	12.373	VV	758	11545	0.14%	0.043%
225	12.393	12.373	12.412	VV	771	12342	0.15%	0.046%
226	12.421	12.412	12.443	VV	570	7427	0.09%	0.028%
227	12.489	12.443	12.509	VV	2143	35934	0.43%	0.134%
228	12.517	12.509	12.539	VV	687	6448	0.08%	0.024%
229	12.569	12.539	12.589	VV	1083	17846	0.21%	0.066%
230	12.626	12.589	12.649	VV	1174	21250	0.25%	0.079%
231	12.686	12.649	12.712	VV	8208	102552	1.23%	0.382%
232	12.717	12.712	12.735	VV	593	5257	0.06%	0.020%
233	12.747	12.735	12.810	VV	715	11672	0.14%	0.043%
234	12.881	12.824	12.902	VV	967	21659	0.26%	0.081%
235	12.908	12.902	12.925	VV	678	7689	0.09%	0.029%
236	12.930	12.925	12.936	VV	419	2447	0.03%	0.009%
237	12.945	12.936	12.961	VV	379	4750	0.06%	0.018%
238	12.983	12.961	13.008	VV	6497	73019	0.87%	0.272%
239	13.037	13.008	13.042	VV	980	11220	0.13%	0.042%
240	13.069	13.042	13.107	VV	33911	395877	4.74%	1.473%
241	13.118	13.107	13.127	VV	287	2804	0.03%	0.010%
242	13.158	13.127	13.180	VV	620	11875	0.14%	0.044%
243	13.183	13.180	13.201	VV	424	3281	0.04%	0.012%
244	13.254	13.201	13.267	VV	2285	36760	0.44%	0.137%
245	13.290	13.267	13.333	VV	5053	98875	1.18%	0.368%
246	13.337	13.333	13.341	VV	927	3919	0.05%	0.015%

rteres

247	13.353	13.341	13.367	VV	1025	12730	0.15%	0.047%
248	13.370	13.367	13.398	VV	781	10815	0.13%	0.040%
249	13.416	13.398	13.424	VV	740	8970	0.11%	0.033%
250	13.461	13.424	13.506	VV	98432	1218042	14.57%	4.534%
251	13.511	13.506	13.554	VV	2080	41763	0.50%	0.155%
252	13.569	13.554	13.603	VV	1585	29382	0.35%	0.109%
253	13.639	13.603	13.658	VV	1053	22228	0.27%	0.083%
254	13.676	13.658	13.680	VV	1172	10266	0.12%	0.038%
255	13.685	13.680	13.728	VV	1246	18651	0.22%	0.069%
256	13.733	13.728	13.740	VV	404	2384	0.03%	0.009%
257	13.770	13.740	13.797	VV	1366	23300	0.28%	0.087%
258	13.823	13.797	13.840	VV	1124	18432	0.22%	0.069%
259	13.849	13.840	13.862	VV	703	7527	0.09%	0.028%
260	13.890	13.862	13.900	VV	742	12216	0.15%	0.045%
261	13.929	13.900	13.947	VV	1483	22771	0.27%	0.085%
262	13.954	13.947	13.978	VV	502	6165	0.07%	0.023%
263	13.990	13.985	14.007	VV	332	2260	0.03%	0.008%
264	14.019	14.007	14.024	VV	244	1693	0.02%	0.006%
265	14.031	14.024	14.039	VV	303	1983	0.02%	0.007%
266	14.043	14.039	14.055	VV	371	3048	0.04%	0.011%
267	14.060	14.055	14.081	VV	485	5605	0.07%	0.021%
268	14.084	14.081	14.107	VV	352	3942	0.05%	0.015%
269	14.110	14.107	14.128	VV	300	1710	0.02%	0.006%
270	14.154	14.128	14.174	PV	303	3757	0.04%	0.014%
271	14.181	14.174	14.195	VV	314	2343	0.03%	0.009%
272	14.214	14.195	14.237	VV	705	9466	0.11%	0.035%
273	14.255	14.237	14.280	VV	928	15358	0.18%	0.057%
274	14.298	14.280	14.327	VV	969	16100	0.19%	0.060%
275	14.342	14.327	14.365	VV	427	5359	0.06%	0.020%
276	14.384	14.365	14.389	VV	569	5417	0.06%	0.020%
277	14.393	14.389	14.419	VV	567	6458	0.08%	0.024%
278	14.438	14.419	14.462	VV	1066	15393	0.18%	0.057%
279	14.472	14.462	14.498	VV	695	10890	0.13%	0.041%
280	14.511	14.498	14.523	VV	496	5852	0.07%	0.022%
281	14.544	14.523	14.572	VV	1362	21144	0.25%	0.079%
282	14.603	14.572	14.632	VV	1495	30762	0.37%	0.114%
283	14.644	14.632	14.652	VV	465	4570	0.05%	0.017%
284	14.680	14.652	14.692	VV	479	8841	0.11%	0.033%
285	14.698	14.692	14.704	VV	496	2903	0.03%	0.011%
286	14.708	14.704	14.717	VV	418	2697	0.03%	0.010%
287	14.729	14.717	14.740	VV	571	6772	0.08%	0.025%
288	14.758	14.740	14.796	VV	1347	20936	0.25%	0.078%
289	14.800	14.796	14.819	VV	347	3048	0.04%	0.011%
290	14.851	14.819	14.871	VV	4339	58456	0.70%	0.218%
291	14.894	14.871	14.914	VV	4083	58341	0.70%	0.217%
292	14.919	14.914	14.940	VV	1092	10536	0.13%	0.039%
293	14.946	14.940	14.949	VV	416	1746	0.02%	0.006%
294	14.952	14.949	14.956	VV	463	1530	0.02%	0.006%
295	14.965	14.956	14.984	VV	513	5741	0.07%	0.021%
296	15.017	14.984	15.046	VV	709	13349	0.16%	0.050%
297	15.060	15.046	15.073	VV	190	2287	0.03%	0.009%
298	15.092	15.073	15.125	VV	567	8017	0.10%	0.030%
299	15.151	15.137	15.168	VV	548	5812	0.07%	0.022%

rteres

300	15.180	15.168	15.188	VV	328	3059	0.04%	0.011%
301	15.194	15.188	15.201	VV	337	2009	0.02%	0.007%
302	15.213	15.201	15.231	VV	399	4867	0.06%	0.018%
303	15.244	15.231	15.257	VV	221	2335	0.03%	0.009%
304	15.301	15.257	15.379	VV	8492	176405	2.11%	0.657%
305	15.453	15.379	15.474	VV	990	30288	0.36%	0.113%
306	15.484	15.474	15.493	VV	338	3712	0.04%	0.014%
307	15.499	15.493	15.507	VV	588	3742	0.04%	0.014%
308	15.523	15.507	15.552	VV	920	16590	0.20%	0.062%
309	15.557	15.552	15.590	VV	602	8506	0.10%	0.032%
310	15.606	15.590	15.625	VV	503	6587	0.08%	0.025%
311	15.644	15.625	15.650	VV	435	4734	0.06%	0.018%
312	15.670	15.650	15.677	VV	962	8723	0.10%	0.032%
313	15.683	15.677	15.709	VV	745	9770	0.12%	0.036%
314	15.712	15.709	15.722	VV	388	2619	0.03%	0.010%
315	15.760	15.722	15.781	VV	559	14071	0.17%	0.052%
316	15.786	15.781	15.789	VV	481	2040	0.02%	0.008%
317	15.798	15.789	15.837	VV	482	11310	0.14%	0.042%
318	15.845	15.837	15.856	VV	422	3985	0.05%	0.015%
319	15.873	15.856	15.887	VV	660	8089	0.10%	0.030%
320	15.900	15.887	15.912	VV	463	5117	0.06%	0.019%
321	15.939	15.912	15.964	VV	1117	17469	0.21%	0.065%
322	15.968	15.964	15.975	VV	180	1280	0.02%	0.005%
323	15.986	15.975	15.993	VV	372	2459	0.03%	0.009%
324	15.997	15.993	16.001	VV	325	1230	0.01%	0.005%
325	16.004	16.001	16.008	VV	276	1285	0.02%	0.005%
326	16.015	16.008	16.020	VV	319	1918	0.02%	0.007%
327	16.024	16.020	16.047	VV	309	2015	0.02%	0.008%
328	16.081	16.047	16.109	PV	387	8197	0.10%	0.031%
329	16.124	16.109	16.146	VV	463	6107	0.07%	0.023%
330	16.157	16.146	16.175	VV	237	2189	0.03%	0.008%
331	16.187	16.175	16.208	VV	572	5070	0.06%	0.019%
332	16.219	16.208	16.224	VV	267	1624	0.02%	0.006%
333	16.242	16.224	16.254	VV	378	4633	0.06%	0.017%
334	16.321	16.254	16.354	VV	1392	36215	0.43%	0.135%
335	16.374	16.354	16.378	VV	539	5101	0.06%	0.019%
336	16.404	16.378	16.421	VV	3765	58510	0.70%	0.218%
337	16.429	16.421	16.463	VV	2557	32681	0.39%	0.122%
338	16.499	16.463	16.519	VV	997	18159	0.22%	0.068%
339	16.546	16.519	16.580	VV	1166	28821	0.34%	0.107%
340	16.597	16.580	16.610	VV	496	8112	0.10%	0.030%
341	16.620	16.610	16.657	VV	680	12032	0.14%	0.045%
342	16.726	16.657	16.752	VV	2278	44187	0.53%	0.164%
343	16.781	16.752	16.808	VV	3820	49625	0.59%	0.185%
344	16.814	16.808	16.830	VV	372	3573	0.04%	0.013%
345	16.854	16.830	16.859	VV	434	5593	0.07%	0.021%
346	16.884	16.859	16.914	VV	3271	44594	0.53%	0.166%
347	16.936	16.914	16.967	VV	1268	20078	0.24%	0.075%
348	16.998	16.967	17.011	VV	368	6641	0.08%	0.025%
349	17.017	17.011	17.049	VV	445	6159	0.07%	0.023%
350	17.076	17.063	17.085	PV	182	1339	0.02%	0.005%
351	17.109	17.085	17.116	VV	286	2963	0.04%	0.011%

rteres

352	17.146	17.116	17.169	VV	573	12977	0.16%	0.048%
353	17.174	17.169	17.182	VV	473	3520	0.04%	0.013%
354	17.205	17.182	17.220	VV	429	8028	0.10%	0.030%
355	17.222	17.220	17.234	VV	376	1967	0.02%	0.007%
356	17.258	17.234	17.267	VV	730	10350	0.12%	0.039%
357	17.274	17.267	17.293	VV	617	8263	0.10%	0.031%
358	17.334	17.293	17.382	VV	3545	60065	0.72%	0.224%
359	17.394	17.382	17.409	VV	292	3301	0.04%	0.012%
360	17.442	17.409	17.460	VV	579	11028	0.13%	0.041%
361	17.467	17.460	17.474	VV	260	1277	0.02%	0.005%
362	17.485	17.474	17.495	VV	406	3544	0.04%	0.013%
363	17.515	17.495	17.541	VV	454	8103	0.10%	0.030%
364	17.556	17.541	17.587	VV	414	7447	0.09%	0.028%
365	17.599	17.587	17.605	VV	330	2665	0.03%	0.010%
366	17.620	17.605	17.639	VV	268	3157	0.04%	0.012%
367	17.668	17.639	17.685	VV	384	3924	0.05%	0.015%
368	17.723	17.685	17.745	PV	964	19726	0.24%	0.073%
369	17.769	17.745	17.802	VV	5208	73156	0.88%	0.272%
370	17.856	17.802	17.891	PV	878	23828	0.29%	0.089%
371	17.911	17.891	17.921	VV	649	8606	0.10%	0.032%
372	17.930	17.921	17.938	VV	648	5451	0.07%	0.020%
373	17.943	17.938	17.951	VV	637	4085	0.05%	0.015%
374	17.955	17.951	17.963	VV	470	3024	0.04%	0.011%
375	17.980	17.963	17.985	VV	380	4596	0.05%	0.017%
376	17.992	17.985	18.022	VV	464	6082	0.07%	0.023%
377	18.056	18.022	18.075	VV	1000	16688	0.20%	0.062%
378	18.082	18.075	18.097	VV	432	3978	0.05%	0.015%
379	18.138	18.097	18.165	VV	6713	136425	1.63%	0.508%
380	18.188	18.165	18.224	VV	8220	133884	1.60%	0.498%
381	18.230	18.224	18.252	VV	507	6151	0.07%	0.023%
382	18.278	18.252	18.293	VV	1079	16507	0.20%	0.061%
383	18.307	18.293	18.334	VV	991	16160	0.19%	0.060%
384	18.341	18.334	18.357	VV	426	4430	0.05%	0.016%
385	18.361	18.357	18.370	VV	370	2248	0.03%	0.008%
386	18.396	18.370	18.424	VV	3154	42910	0.51%	0.160%
387	18.431	18.424	18.437	VV	243	1253	0.01%	0.005%
388	18.464	18.437	18.470	VV	508	8326	0.10%	0.031%
389	18.473	18.470	18.478	VV	464	2056	0.02%	0.008%
390	18.489	18.478	18.510	VV	515	7711	0.09%	0.029%
391	18.531	18.510	18.549	VV	861	12393	0.15%	0.046%
392	18.557	18.549	18.565	VV	555	4203	0.05%	0.016%
393	18.600	18.565	18.664	VV	6180	101698	1.22%	0.379%
394	18.696	18.664	18.710	PV	712	10230	0.12%	0.038%
395	18.715	18.710	18.769	VV	732	16828	0.20%	0.063%
396	18.774	18.769	18.787	VV	395	2008	0.02%	0.007%
397	18.800	18.795	18.814	VV	196	1197	0.01%	0.004%
398	18.858	18.814	18.884	PV	500	11505	0.14%	0.043%
399	18.894	18.884	18.914	VV	265	2413	0.03%	0.009%
400	18.956	18.922	18.979	PV	2734	33985	0.41%	0.126%

Sum of corrected areas: 26866553

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 02:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.115	2742024	30.564 ug/ml
Spiked Amount 50.000		Recovery = 61.13%	
Target Compounds			

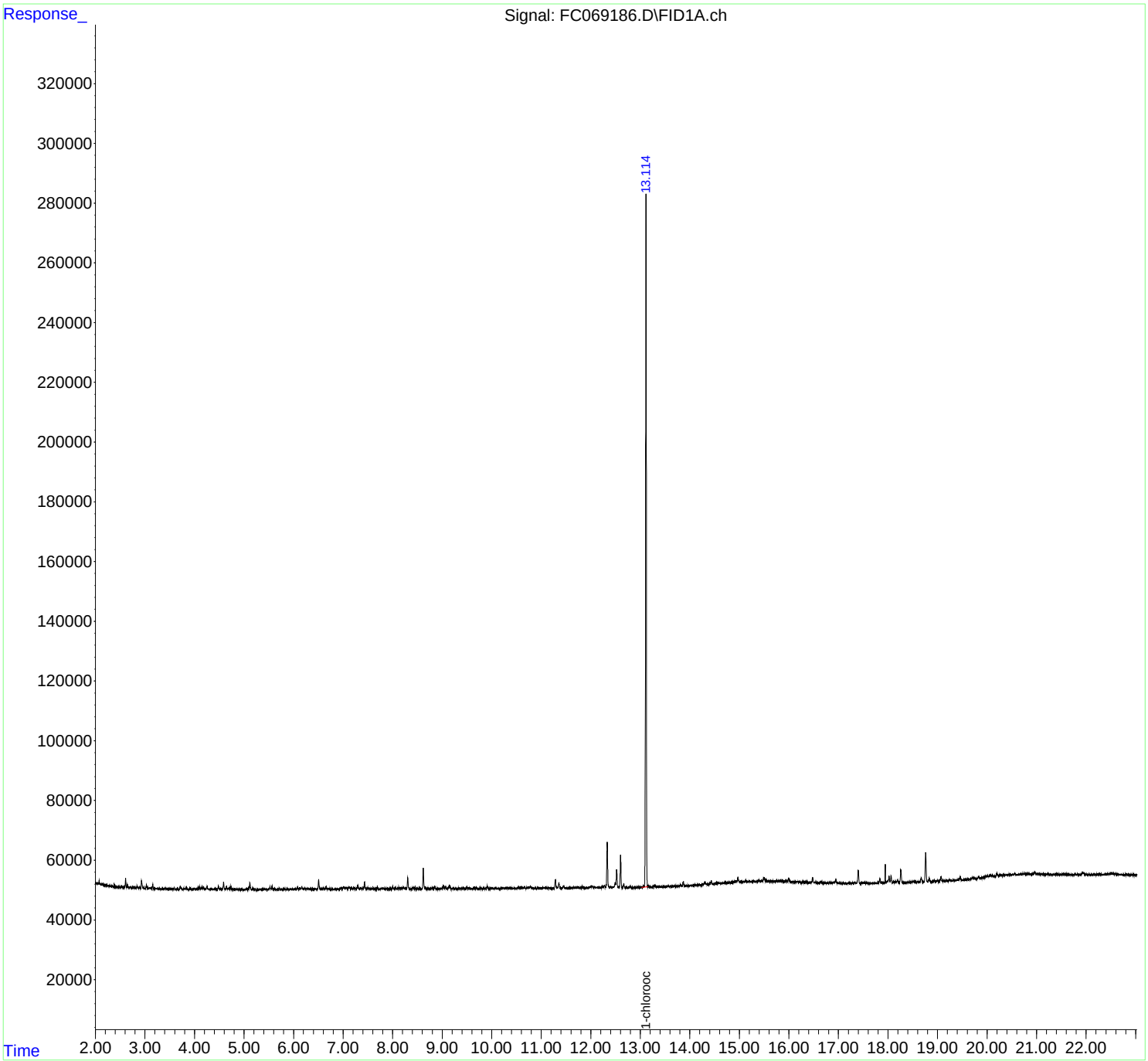
(f)=RT Delta > 1/2 Window (m)=manual int.

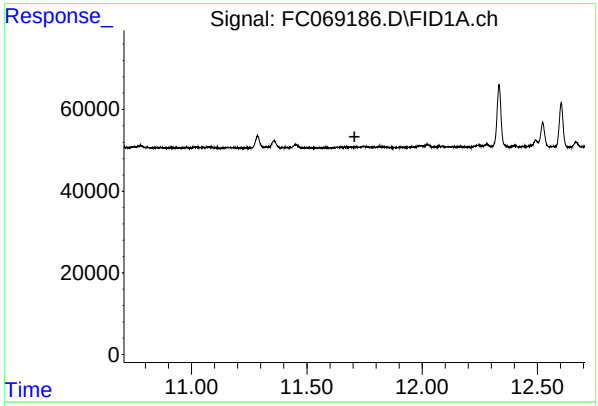
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 02:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

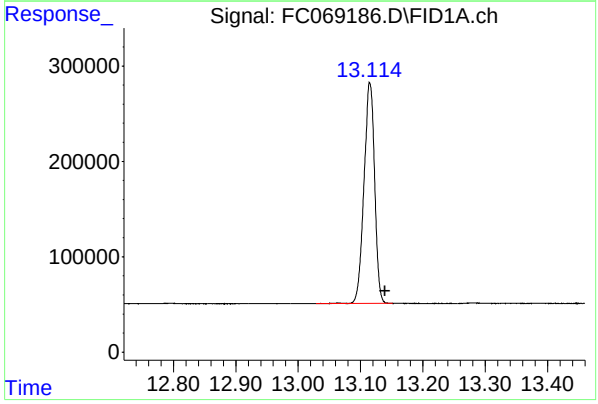




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-187-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 2742024
Conc: 30.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.224	3.204	3.247	BV	114	847	0.03%	0.009%
2	3.262	3.247	3.341	PV	67	2789	0.10%	0.031%
3	3.358	3.341	3.389	VV	67	1002	0.04%	0.011%
4	3.407	3.389	3.480	VV	517	6358	0.23%	0.070%
5	3.512	3.480	3.564	PV	141	3307	0.12%	0.036%
6	3.591	3.564	3.605	VV	389	3611	0.13%	0.040%
7	3.631	3.605	3.644	VV	150	1946	0.07%	0.021%
8	3.652	3.644	3.671	VV	90	1304	0.05%	0.014%
9	3.712	3.671	3.764	VV	1195	15717	0.57%	0.172%
10	3.782	3.764	3.810	VV	347	3947	0.14%	0.043%
11	3.844	3.810	3.874	VV	547	10326	0.37%	0.113%
12	3.906	3.874	3.937	VV	380	6835	0.25%	0.075%
13	3.952	3.937	3.965	VV	184	1580	0.06%	0.017%
14	3.989	3.965	4.051	PV	299	7572	0.27%	0.083%
15	4.081	4.051	4.093	VV	557	7910	0.29%	0.087%
16	4.108	4.093	4.122	VV	896	8868	0.32%	0.097%
17	4.152	4.122	4.164	VV	760	11886	0.43%	0.130%
18	4.178	4.164	4.218	VV	931	12276	0.44%	0.135%
19	4.251	4.218	4.364	VV	931	21960	0.79%	0.241%
20	4.399	4.364	4.428	VV	171	4791	0.17%	0.053%
21	4.436	4.428	4.459	VV	165	2505	0.09%	0.027%
22	4.482	4.459	4.502	VV	1282	14188	0.51%	0.156%
23	4.510	4.502	4.548	VV	336	6864	0.25%	0.075%
24	4.588	4.548	4.617	VV	2594	32001	1.15%	0.351%
25	4.650	4.617	4.694	VV	1010	21493	0.78%	0.236%
26	4.707	4.694	4.722	VV	777	8837	0.32%	0.097%
27	4.737	4.722	4.756	VV	1226	12877	0.46%	0.141%
28	4.768	4.756	4.780	VV	257	2939	0.11%	0.032%
29	4.791	4.780	4.828	VV	246	4558	0.16%	0.050%
30	4.860	4.828	4.882	VV	250	5267	0.19%	0.058%
31	4.906	4.882	4.919	VV	183	3212	0.12%	0.035%
32	4.935	4.919	4.949	VV	215	2425	0.09%	0.027%
33	4.958	4.949	4.988	VV	226	2682	0.10%	0.029%
34	5.016	4.988	5.023	VV	165	2290	0.08%	0.025%
35	5.043	5.023	5.073	VV	280	4666	0.17%	0.051%
36	5.118	5.073	5.154	VV	2484	35153	1.27%	0.386%

rteres

37	5.175	5.154	5.218	VV	589	12107	0.44%	0.133%
38	5.226	5.218	5.266	VV	308	4037	0.15%	0.044%
39	5.289	5.266	5.300	PV	134	1706	0.06%	0.019%
40	5.310	5.300	5.334	VV	203	3271	0.12%	0.036%
41	5.347	5.334	5.375	VV	267	5488	0.20%	0.060%
42	5.414	5.375	5.455	VV	267	9595	0.35%	0.105%
43	5.490	5.455	5.502	VV	276	5257	0.19%	0.058%
44	5.523	5.502	5.544	VV	1079	13889	0.50%	0.152%
45	5.564	5.544	5.606	VV	1053	16924	0.61%	0.186%
46	5.620	5.606	5.635	VV	333	4291	0.15%	0.047%
47	5.659	5.635	5.686	VV	264	6183	0.22%	0.068%
48	5.710	5.686	5.733	VV	495	8516	0.31%	0.093%
49	5.767	5.733	5.794	VV	217	7061	0.25%	0.077%
50	5.811	5.794	5.854	VV	346	9023	0.33%	0.099%
51	5.869	5.854	5.912	VV	328	6890	0.25%	0.076%
52	5.927	5.912	5.961	VV	315	6185	0.22%	0.068%
53	5.983	5.961	6.003	VV	337	6353	0.23%	0.070%
54	6.027	6.003	6.045	VV	349	6733	0.24%	0.074%
55	6.053	6.045	6.060	VV	235	2509	0.09%	0.028%
56	6.080	6.060	6.108	VV	712	12789	0.46%	0.140%
57	6.123	6.108	6.143	VV	671	9346	0.34%	0.102%
58	6.166	6.143	6.201	VV	1006	16510	0.60%	0.181%
59	6.227	6.201	6.254	VV	762	12834	0.46%	0.141%
60	6.300	6.254	6.371	VV	411	18889	0.68%	0.207%
61	6.392	6.371	6.418	VV	236	6069	0.22%	0.067%
62	6.507	6.418	6.568	VV	3410	57390	2.07%	0.629%
63	6.592	6.568	6.635	VV	531	12908	0.47%	0.142%
64	6.657	6.635	6.714	VV	1058	21060	0.76%	0.231%
65	6.730	6.714	6.757	VV	538	7630	0.28%	0.084%
66	6.786	6.757	6.808	VV	260	5586	0.20%	0.061%
67	6.837	6.808	6.865	VV	298	7893	0.28%	0.087%
68	6.905	6.865	6.931	VV	303	8443	0.30%	0.093%
69	6.953	6.931	6.981	VV	456	10059	0.36%	0.110%
70	7.007	6.981	7.041	VV	808	20624	0.74%	0.226%
71	7.065	7.041	7.094	VV	823	17583	0.63%	0.193%
72	7.128	7.094	7.191	VV	890	29351	1.06%	0.322%
73	7.211	7.191	7.255	VV	698	13807	0.50%	0.151%
74	7.294	7.255	7.334	VV	1595	26440	0.95%	0.290%
75	7.353	7.334	7.376	VV	441	8368	0.30%	0.092%
76	7.434	7.376	7.482	VV	2583	47575	1.72%	0.522%
77	7.525	7.482	7.546	VV	505	13553	0.49%	0.149%
78	7.558	7.546	7.578	VV	327	5129	0.18%	0.056%
79	7.604	7.578	7.670	VV	449	13819	0.50%	0.152%
80	7.695	7.670	7.734	VV	723	11114	0.40%	0.122%
81	7.779	7.734	7.828	VV	374	14353	0.52%	0.157%
82	7.886	7.828	7.902	VV	398	13645	0.49%	0.150%
83	7.914	7.902	7.941	VV	347	5930	0.21%	0.065%
84	7.957	7.941	7.981	VV	410	6130	0.22%	0.067%
85	8.002	7.981	8.030	VV	885	12682	0.46%	0.139%
86	8.058	8.030	8.096	VV	829	14227	0.51%	0.156%
87	8.128	8.096	8.179	VV	698	17970	0.65%	0.197%
88	8.213	8.179	8.277	VV	732	23112	0.83%	0.253%
89	8.306	8.277	8.373	VV	3926	56212	2.03%	0.616%

rteres

90	8.419	8.373	8.481	VV	468	20091	0.72%	0.220%
91	8.500	8.481	8.520	VV	229	4693	0.17%	0.051%
92	8.541	8.520	8.575	VV	406	6290	0.23%	0.069%
93	8.620	8.575	8.701	PV	7030	94205	3.40%	1.033%
94	8.799	8.701	8.831	VV	483	24321	0.88%	0.267%
95	8.847	8.831	8.891	VV	700	14681	0.53%	0.161%
96	8.910	8.891	8.940	VV	353	5098	0.18%	0.056%
97	8.965	8.940	8.981	PV	244	4247	0.15%	0.047%
98	9.025	8.981	9.048	VV	1293	23866	0.86%	0.262%
99	9.065	9.048	9.104	VV	657	14933	0.54%	0.164%
100	9.148	9.104	9.197	VV	1284	30200	1.09%	0.331%
101	9.220	9.197	9.245	VV	448	7617	0.27%	0.084%
102	9.267	9.245	9.290	VV	299	5459	0.20%	0.060%
103	9.317	9.290	9.335	VV	215	4990	0.18%	0.055%
104	9.379	9.335	9.397	VV	247	7209	0.26%	0.079%
105	9.429	9.397	9.474	VV	428	10734	0.39%	0.118%
106	9.499	9.474	9.533	VV	720	11936	0.43%	0.131%
107	9.555	9.533	9.618	VV	271	7575	0.27%	0.083%
108	9.639	9.618	9.667	VV	422	7691	0.28%	0.084%
109	9.690	9.667	9.727	VV	752	10358	0.37%	0.114%
110	9.770	9.727	9.804	VV	175	6008	0.22%	0.066%
111	9.830	9.804	9.891	VV	352	7632	0.28%	0.084%
112	9.912	9.891	9.964	VV	1028	15184	0.55%	0.167%
113	9.998	9.964	10.108	VV	244	13816	0.50%	0.152%
114	10.131	10.108	10.152	PV	157	2573	0.09%	0.028%
115	10.191	10.152	10.208	VV	196	3801	0.14%	0.042%
116	10.236	10.208	10.268	VV	257	6837	0.25%	0.075%
117	10.304	10.268	10.326	VV	445	9420	0.34%	0.103%
118	10.344	10.326	10.367	VV	303	5522	0.20%	0.061%
119	10.394	10.367	10.488	VV	303	11384	0.41%	0.125%
120	10.546	10.488	10.564	VV	349	10122	0.37%	0.111%
121	10.589	10.564	10.614	VV	386	8995	0.32%	0.099%
122	10.651	10.614	10.688	VV	469	13837	0.50%	0.152%
123	10.780	10.688	10.898	VV	685	33552	1.21%	0.368%
124	10.930	10.898	10.958	VV	195	5145	0.19%	0.056%
125	11.021	10.958	11.054	VV	288	10859	0.39%	0.119%
126	11.077	11.054	11.128	VV	354	8667	0.31%	0.095%
127	11.160	11.128	11.228	VV	169	6593	0.24%	0.072%
128	11.286	11.228	11.326	VV	2990	43169	1.56%	0.473%
129	11.358	11.326	11.388	VV	1909	27968	1.01%	0.307%
130	11.452	11.388	11.491	VV	864	17620	0.64%	0.193%
131	11.504	11.491	11.524	VV	112	1442	0.05%	0.016%
132	11.583	11.524	11.608	PV	112	3400	0.12%	0.037%
133	11.683	11.608	11.699	VV	222	9260	0.33%	0.102%
134	11.713	11.699	11.728	VV	227	3687	0.13%	0.040%
135	11.749	11.728	11.788	VV	348	8050	0.29%	0.088%
136	11.834	11.788	11.915	VV	380	13362	0.48%	0.147%
137	12.023	11.915	12.061	VV	834	28971	1.04%	0.318%
138	12.083	12.061	12.114	VV	328	9088	0.33%	0.100%
139	12.130	12.114	12.146	VV	318	4457	0.16%	0.049%
140	12.162	12.146	12.211	VV	277	7956	0.29%	0.087%
141	12.245	12.211	12.264	VV	605	13115	0.47%	0.144%

rteres

142	12.279	12.264	12.298	VV	857	11710	0.42%	0.128%
143	12.334	12.298	12.381	VV	15459	191705	6.91%	2.102%
144	12.401	12.381	12.421	VV	431	6857	0.25%	0.075%
145	12.523	12.421	12.554	VV	6180	107767	3.89%	1.182%
146	12.603	12.554	12.640	VV	11011	130674	4.71%	1.433%
147	12.667	12.640	12.764	VV	1375	23878	0.86%	0.262%
148	12.794	12.764	12.838	VV	473	8597	0.31%	0.094%
149	12.855	12.838	12.894	VV	89	2111	0.08%	0.023%
150	12.946	12.894	12.962	PV	195	4929	0.18%	0.054%
151	12.978	12.962	13.004	VV	163	3159	0.11%	0.035%
152	13.115	13.004	13.250	VV	233629	2773153	100.00%	30.413%
153	13.281	13.250	13.318	VV	729	15878	0.57%	0.174%
154	13.339	13.318	13.364	VV	303	6995	0.25%	0.077%
155	13.385	13.364	13.421	VV	331	7858	0.28%	0.086%
156	13.558	13.421	13.624	VV	431	29016	1.05%	0.318%
157	13.666	13.624	13.697	VV	413	12112	0.44%	0.133%
158	13.726	13.697	13.764	VV	429	13294	0.48%	0.146%
159	13.815	13.764	13.839	VV	821	19881	0.72%	0.218%
160	13.868	13.839	13.911	VV	1711	29825	1.08%	0.327%
161	13.926	13.911	13.941	VV	364	6263	0.23%	0.069%
162	13.961	13.941	14.004	VV	375	13588	0.49%	0.149%
163	14.099	14.004	14.131	VV	687	35931	1.30%	0.394%
164	14.202	14.131	14.220	VV	689	30561	1.10%	0.335%
165	14.304	14.220	14.356	VV	1534	66603	2.40%	0.730%
166	14.431	14.356	14.478	VV	1937	70380	2.54%	0.772%
167	14.562	14.478	14.618	VV	1206	84119	3.03%	0.923%
168	14.689	14.618	14.714	VV	1165	61878	2.23%	0.679%
169	14.748	14.714	14.766	VV	1224	36208	1.31%	0.397%
170	14.788	14.766	14.833	VV	1265	47502	1.71%	0.521%
171	14.971	14.833	15.040	VV	2981	188222	6.79%	2.064%
172	15.060	15.040	15.091	VV	1383	41070	1.48%	0.450%
173	15.126	15.091	15.194	VV	1573	88804	3.20%	0.974%
174	15.218	15.194	15.338	VV	1463	118480	4.27%	1.299%
175	15.400	15.338	15.425	VV	1734	76813	2.77%	0.842%
176	15.496	15.425	15.620	VV	2654	189607	6.84%	2.079%
177	15.660	15.620	15.704	VV	1431	67253	2.43%	0.738%
178	15.726	15.704	15.751	VV	1407	36945	1.33%	0.405%
179	15.767	15.751	15.794	VV	1485	35871	1.29%	0.393%
180	15.816	15.794	15.874	VV	1462	65182	2.35%	0.715%
181	15.889	15.874	15.901	VV	1302	19502	0.70%	0.214%
182	15.995	15.901	16.120	VV	2302	167125	6.03%	1.833%
183	16.169	16.120	16.258	VV	1053	76616	2.76%	0.840%
184	16.292	16.258	16.414	VV	867	71627	2.58%	0.786%
185	16.479	16.414	16.571	VV	2407	85469	3.08%	0.937%
186	16.596	16.571	16.618	VV	583	15092	0.54%	0.166%
187	16.650	16.618	16.742	VV	855	42847	1.55%	0.470%
188	16.757	16.742	16.791	VV	489	13314	0.48%	0.146%
189	16.946	16.791	17.034	VV	1644	77608	2.80%	0.851%
190	17.051	17.034	17.151	VV	376	16540	0.60%	0.181%
191	17.217	17.151	17.248	VV	340	13069	0.47%	0.143%
192	17.284	17.248	17.305	VV	380	7960	0.29%	0.087%
193	17.333	17.305	17.360	VV	404	10718	0.39%	0.118%
194	17.399	17.360	17.461	VV	4551	67613	2.44%	0.742%

rteres

195	17.517	17.461	17.554	VV	330	11651	0.42%	0.128%
196	17.571	17.554	17.596	VV	240	3716	0.13%	0.041%
197	17.619	17.596	17.648	VV	198	3448	0.12%	0.038%
198	17.697	17.648	17.718	VV	119	3388	0.12%	0.037%
199	17.738	17.718	17.782	VV	111	2322	0.08%	0.025%
200	17.836	17.782	17.864	PV	1595	23572	0.85%	0.259%
201	17.892	17.864	17.924	VV	213	4223	0.15%	0.046%
202	18.021	17.924	18.041	VV	2408	52196	1.88%	0.572%
203	18.062	18.041	18.091	VV	2398	30995	1.12%	0.340%
204	18.152	18.091	18.170	VV	574	15217	0.55%	0.167%
205	18.192	18.170	18.228	VV	834	15564	0.56%	0.171%
206	18.259	18.228	18.315	VV	4428	62211	2.24%	0.682%
207	18.367	18.315	18.431	PV	166	5886	0.21%	0.065%
208	18.529	18.431	18.583	PV	398	17133	0.62%	0.188%
209	18.602	18.583	18.624	VV	230	3221	0.12%	0.035%
210	18.671	18.624	18.722	VV	1589	27496	0.99%	0.302%
211	18.760	18.722	18.801	PV	9942	139897	5.04%	1.534%
212	18.831	18.801	18.887	VV	1166	21667	0.78%	0.238%
213	18.929	18.887	18.970	PV	394	9734	0.35%	0.107%
214	18.999	18.970	19.021	VV	449	7611	0.27%	0.083%
215	19.069	19.021	19.118	VV	1548	29587	1.07%	0.324%
216	19.186	19.118	19.224	VV	312	13097	0.47%	0.144%
217	19.242	19.224	19.298	VV	401	12332	0.44%	0.135%
218	19.457	19.298	19.505	VV	1354	48506	1.75%	0.532%
219	19.711	19.505	19.788	VV	768	76076	2.74%	0.834%
220	19.833	19.788	19.881	VV	1170	39105	1.41%	0.429%
221	20.017	19.881	20.038	VV	1213	85841	3.10%	0.941%
222	20.104	20.038	20.160	VV	1357	88492	3.19%	0.970%
223	20.198	20.160	20.224	VV	1926	53757	1.94%	0.590%
224	20.255	20.224	20.291	VV	1384	51095	1.84%	0.560%
225	20.445	20.291	20.531	VV	1382	185190	6.68%	2.031%
226	20.562	20.531	20.608	VV	1531	61907	2.23%	0.679%
227	20.752	20.608	20.804	VV	1547	156371	5.64%	1.715%
228	20.826	20.804	20.844	VV	1341	31361	1.13%	0.344%
229	20.866	20.844	20.914	VV	1275	50917	1.84%	0.558%
230	20.966	20.914	21.128	VV	1758	153784	5.55%	1.687%
231	21.136	21.128	21.214	VV	1172	51176	1.85%	0.561%
232	21.227	21.214	21.298	VV	892	42111	1.52%	0.462%
233	21.333	21.298	21.361	VV	857	30738	1.11%	0.337%
234	21.414	21.361	21.457	VV	816	44078	1.59%	0.483%
235	21.517	21.457	21.650	VV	821	73504	2.65%	0.806%
236	21.667	21.650	21.744	VV	554	26781	0.97%	0.294%
237	21.831	21.744	21.858	VV	458	27719	1.00%	0.304%
238	21.936	21.858	22.091	VV	903	55010	1.98%	0.603%
239	22.122	22.091	22.151	VV	231	6218	0.22%	0.068%
240	22.297	22.151	22.331	VV	189	14581	0.53%	0.160%
241	22.464	22.331	22.483	PV	72	2584	0.09%	0.028%
			Sum of corrected areas:			9118368		

Aliphatic EPH 052425.M Fri Jun 13 03:34:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049460.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 04:14:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	6129577	36.873 ug/ml
Spiked Amount 50.000		Recovery =	73.75%
6) S 2-Flurobiphenyl (SURR)	8.599	4107675	35.907 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	71.81%
11) S ortho-Terphenyl (SURR)	11.646	7466601	37.199 ug/ml
Spiked Amount 50.000		Recovery =	74.40%
Target Compounds			

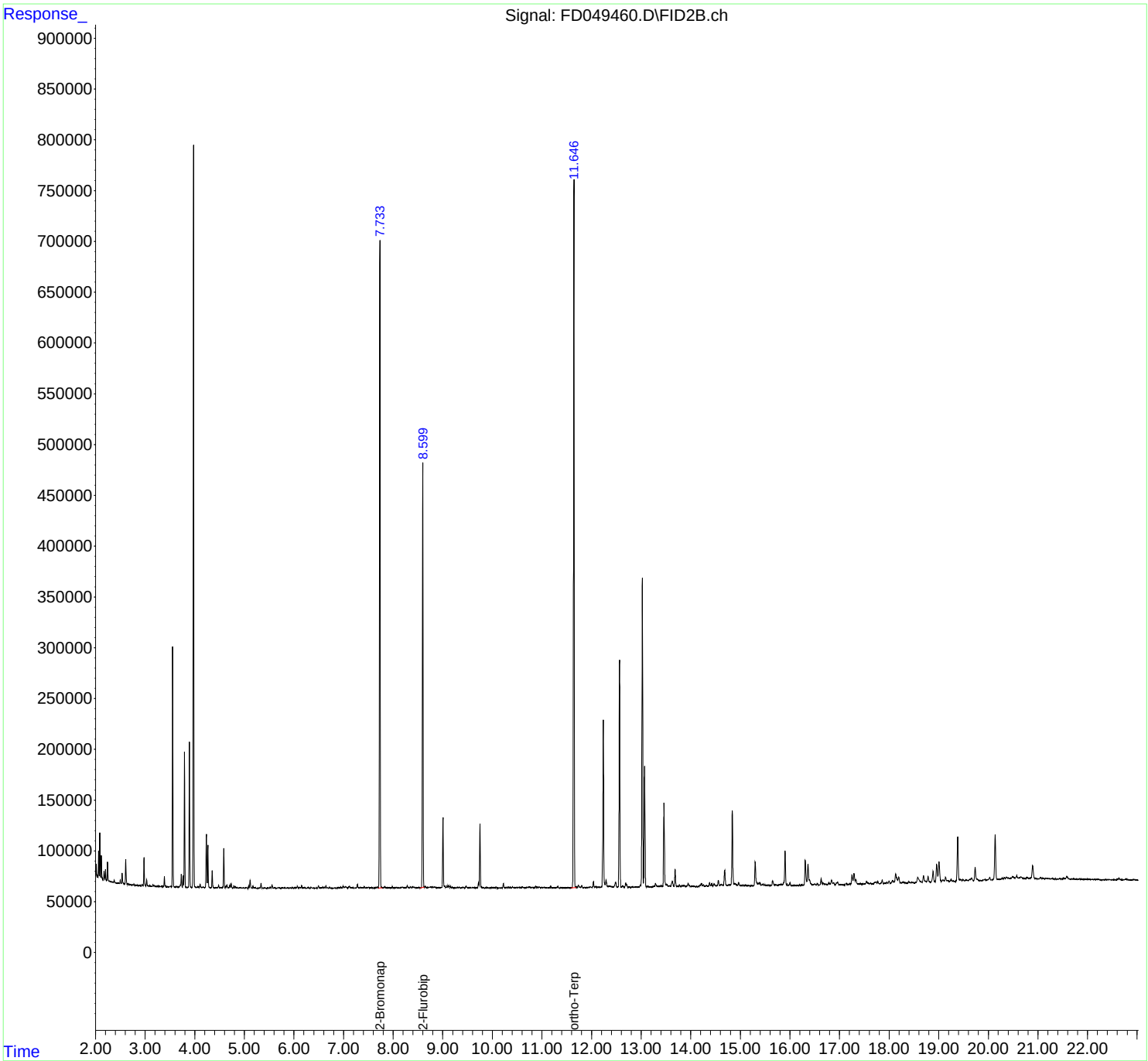
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049460.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 63 Sample Multiplier: 1

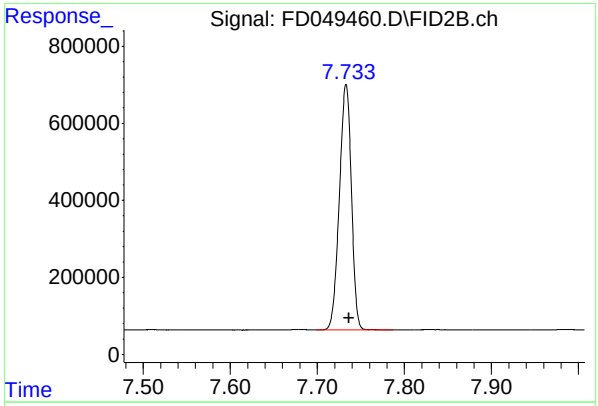
Instrument :
FID_D
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 04:14:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

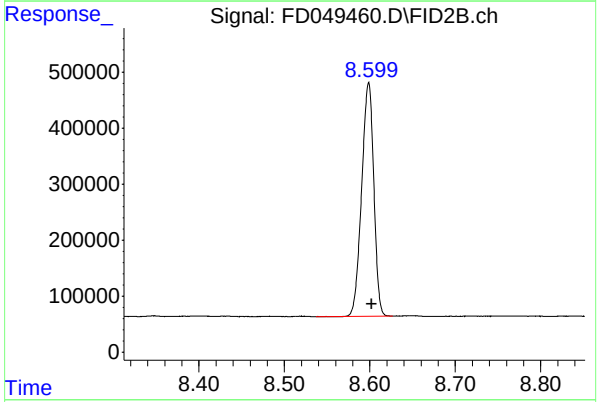


Instrument :
FID_D
ClientSampleId :
B-187-SB02



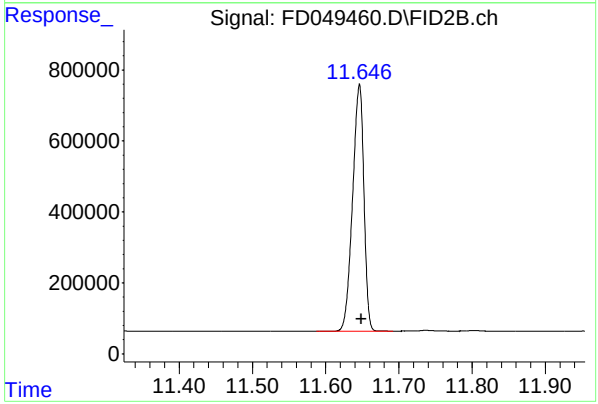
#4 2-Bromonaphthalene (SURR)

R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 6129577
Conc: 36.87 ug/ml



#6 2-Flurobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.004 min
Response: 4107675
Conc: 35.91 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.002 min
Response: 7466601
Conc: 37.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049460.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 14:21
Sample : Q2177-04
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.265	4.252	4.294	PH	41639	350165	4.68%	0.840%
2	4.297	4.294	4.329	PV	144	1047	0.01%	0.003%
3	4.352	4.329	4.402	PV	17034	143784	1.92%	0.345%
4	4.437	4.412	4.460	VV	647	9458	0.13%	0.023%
5	4.481	4.460	4.513	VV	2801	32536	0.43%	0.078%
6	4.526	4.513	4.544	VV	597	7924	0.11%	0.019%
7	4.586	4.544	4.611	VV	39281	362007	4.84%	0.869%
8	4.628	4.611	4.637	VV	2186	20372	0.27%	0.049%
9	4.650	4.637	4.672	VV	3090	33831	0.45%	0.081%
10	4.706	4.672	4.718	VV	2870	33043	0.44%	0.079%
11	4.735	4.718	4.768	VV	4538	48197	0.64%	0.116%
12	4.788	4.768	4.804	VV	2299	22466	0.30%	0.054%
13	4.816	4.804	4.844	VV	1646	20896	0.28%	0.050%
14	4.852	4.844	4.876	VV	810	8699	0.12%	0.021%
15	4.887	4.876	4.892	VV	307	2346	0.03%	0.006%
16	4.902	4.892	4.908	VV	380	2868	0.04%	0.007%
17	4.927	4.908	4.948	VV	877	11340	0.15%	0.027%
18	4.954	4.948	4.962	VV	279	1754	0.02%	0.004%
19	4.967	4.962	4.972	VV	409	1898	0.03%	0.005%
20	4.976	4.972	4.979	VV	379	1212	0.02%	0.003%
21	4.996	4.979	5.012	VV	645	9348	0.12%	0.022%
22	5.041	5.012	5.062	VV	968	15782	0.21%	0.038%
23	5.090	5.062	5.102	VV	2089	25432	0.34%	0.061%
24	5.116	5.102	5.149	VV	7837	89041	1.19%	0.214%
25	5.174	5.149	5.209	VV	1929	29885	0.40%	0.072%
26	5.222	5.209	5.260	VV	788	10273	0.14%	0.025%
27	5.307	5.260	5.319	PV	822	12408	0.17%	0.030%
28	5.336	5.319	5.362	VV	5025	52014	0.70%	0.125%
29	5.366	5.362	5.386	VV	560	5750	0.08%	0.014%
30	5.398	5.386	5.431	VV	535	10120	0.14%	0.024%
31	5.436	5.431	5.451	VV	400	2640	0.04%	0.006%
32	5.476	5.451	5.500	VV	436	9705	0.13%	0.023%
33	5.518	5.500	5.535	VV	1586	18472	0.25%	0.044%
34	5.559	5.535	5.604	VV	3438	48627	0.65%	0.117%
35	5.614	5.604	5.639	VV	986	12651	0.17%	0.030%
36	5.649	5.639	5.664	VV	390	4982	0.07%	0.012%

rteres

37	5.683	5.664	5.732	VV	1226	21698	0.29%	0.052%
38	5.759	5.740	5.783	VV	607	10118	0.14%	0.024%
39	5.808	5.783	5.825	VV	795	12623	0.17%	0.030%
40	5.838	5.825	5.845	VV	419	4046	0.05%	0.010%
41	5.868	5.845	5.902	VV	547	12240	0.16%	0.029%
42	5.914	5.902	5.924	VV	441	4810	0.06%	0.012%
43	5.927	5.924	5.946	VV	525	5425	0.07%	0.013%
44	5.949	5.946	5.954	VV	388	1601	0.02%	0.004%
45	5.970	5.954	5.992	VV	968	13198	0.18%	0.032%
46	6.007	5.992	6.025	VV	762	11522	0.15%	0.028%
47	6.028	6.025	6.033	VV	679	2481	0.03%	0.006%
48	6.036	6.033	6.041	VV	557	2441	0.03%	0.006%
49	6.046	6.041	6.050	VV	586	2753	0.04%	0.007%
50	6.069	6.050	6.096	VV	2164	30707	0.41%	0.074%
51	6.115	6.096	6.139	VV	1089	17236	0.23%	0.041%
52	6.156	6.139	6.181	VV	2392	28265	0.38%	0.068%
53	6.217	6.181	6.253	VV	1116	22697	0.30%	0.054%
54	6.286	6.253	6.316	VV	834	19456	0.26%	0.047%
55	6.323	6.316	6.325	VV	264	1306	0.02%	0.003%
56	6.345	6.325	6.373	VV	1123	18760	0.25%	0.045%
57	6.384	6.373	6.401	VV	468	5256	0.07%	0.013%
58	6.405	6.401	6.430	VV	328	3622	0.05%	0.009%
59	6.439	6.430	6.447	VV	347	2717	0.04%	0.007%
60	6.458	6.447	6.469	VV	415	4434	0.06%	0.011%
61	6.496	6.469	6.527	VV	2747	36187	0.48%	0.087%
62	6.580	6.527	6.602	VV	1278	26610	0.36%	0.064%
63	6.615	6.602	6.630	VV	1275	13812	0.18%	0.033%
64	6.645	6.630	6.666	VV	2691	29455	0.39%	0.071%
65	6.679	6.666	6.698	VV	856	10115	0.14%	0.024%
66	6.717	6.698	6.739	VV	1477	16453	0.22%	0.039%
67	6.759	6.739	6.793	VV	423	7933	0.11%	0.019%
68	6.799	6.793	6.803	VV	269	1037	0.01%	0.002%
69	6.821	6.803	6.843	VV	550	7852	0.10%	0.019%
70	6.869	6.855	6.875	VV	579	5141	0.07%	0.012%
71	6.877	6.875	6.882	VV	662	1899	0.03%	0.005%
72	6.887	6.882	6.909	VV	636	7171	0.10%	0.017%
73	6.914	6.909	6.922	VV	364	2520	0.03%	0.006%
74	6.940	6.922	6.960	VV	1203	17070	0.23%	0.041%
75	6.965	6.960	6.970	VV	469	2493	0.03%	0.006%
76	6.993	6.970	7.023	VV	2183	41220	0.55%	0.099%
77	7.038	7.023	7.045	VV	1620	17645	0.24%	0.042%
78	7.052	7.045	7.082	VV	1514	20664	0.28%	0.050%
79	7.118	7.082	7.148	VV	2265	42924	0.57%	0.103%
80	7.155	7.148	7.160	VV	614	3889	0.05%	0.009%
81	7.166	7.160	7.184	VV	665	7738	0.10%	0.019%
82	7.197	7.184	7.211	VV	564	7366	0.10%	0.018%
83	7.226	7.211	7.237	VV	582	6898	0.09%	0.017%
84	7.243	7.237	7.246	VV	335	1807	0.02%	0.004%
85	7.279	7.246	7.311	VV	3753	51626	0.69%	0.124%
86	7.337	7.311	7.352	VV	1166	17439	0.23%	0.042%
87	7.359	7.352	7.369	VV	843	6326	0.08%	0.015%
88	7.384	7.369	7.399	VV	1056	12998	0.17%	0.031%
89	7.418	7.399	7.440	VV	1789	24377	0.33%	0.059%

rteres

90	7.454	7.440	7.467	VV	757	8081	0.11%	0.019%
91	7.482	7.467	7.496	VV	821	11125	0.15%	0.027%
92	7.509	7.496	7.528	VV	1308	14637	0.20%	0.035%
93	7.537	7.528	7.542	VV	489	3069	0.04%	0.007%
94	7.567	7.542	7.575	VV	630	8891	0.12%	0.021%
95	7.579	7.575	7.614	VV	653	8865	0.12%	0.021%
96	7.631	7.614	7.637	VV	585	5097	0.07%	0.012%
97	7.648	7.637	7.660	VV	914	9732	0.13%	0.023%
98	7.680	7.660	7.698	VV	1673	22440	0.30%	0.054%
99	7.733	7.698	7.800	VV	638529	6153631	82.23%	14.769%
100	7.826	7.800	7.858	VV	1283	28539	0.38%	0.068%
101	7.873	7.858	7.887	VV	819	9492	0.13%	0.023%
102	7.898	7.887	7.919	VV	607	8687	0.12%	0.021%
103	7.938	7.919	7.958	VV	668	12356	0.17%	0.030%
104	7.986	7.958	8.010	VV	1610	26654	0.36%	0.064%
105	8.012	8.010	8.018	VV	609	2512	0.03%	0.006%
106	8.025	8.018	8.052	VV	675	9932	0.13%	0.024%
107	8.075	8.052	8.108	VV	773	18545	0.25%	0.045%
108	8.114	8.108	8.117	VV	614	2951	0.04%	0.007%
109	8.120	8.117	8.132	VV	625	4141	0.06%	0.010%
110	8.162	8.132	8.179	VV	816	17970	0.24%	0.043%
111	8.189	8.179	8.218	VV	1096	19007	0.25%	0.046%
112	8.224	8.218	8.228	VV	560	2887	0.04%	0.007%
113	8.238	8.228	8.261	VV	605	10551	0.14%	0.025%
114	8.287	8.261	8.309	VV	2791	37820	0.51%	0.091%
115	8.315	8.309	8.321	VV	553	3415	0.05%	0.008%
116	8.325	8.321	8.330	VV	544	2519	0.03%	0.006%
117	8.347	8.330	8.364	VV	1523	18045	0.24%	0.043%
118	8.382	8.364	8.389	VV	1006	11568	0.15%	0.028%
119	8.402	8.389	8.419	VV	1343	18024	0.24%	0.043%
120	8.434	8.419	8.467	VV	1041	17381	0.23%	0.042%
121	8.481	8.467	8.509	VV	798	13150	0.18%	0.032%
122	8.519	8.509	8.545	VV	917	11371	0.15%	0.027%
123	8.549	8.545	8.562	VV	374	2157	0.03%	0.005%
124	8.599	8.562	8.627	VV	418680	4145107	55.39%	9.948%
125	8.650	8.627	8.680	VV	1808	37326	0.50%	0.090%
126	8.695	8.680	8.705	VV	951	12224	0.16%	0.029%
127	8.719	8.705	8.732	VV	1154	15689	0.21%	0.038%
128	8.755	8.732	8.768	VV	1306	24020	0.32%	0.058%
129	8.773	8.768	8.789	VV	1328	13564	0.18%	0.033%
130	8.800	8.789	8.810	VV	1038	11344	0.15%	0.027%
131	8.824	8.810	8.832	VV	1077	11205	0.15%	0.027%
132	8.838	8.832	8.845	VV	1056	8246	0.11%	0.020%
133	8.847	8.845	8.872	VV	1116	9641	0.13%	0.023%
134	8.882	8.872	8.905	VV	790	11162	0.15%	0.027%
135	8.911	8.905	8.923	VV	583	4649	0.06%	0.011%
136	8.936	8.923	8.955	VV	742	9858	0.13%	0.024%
137	9.006	8.955	9.028	VV	69635	691970	9.25%	1.661%
138	9.034	9.028	9.038	VV	2152	11890	0.16%	0.029%
139	9.040	9.038	9.054	VV	2158	16301	0.22%	0.039%
140	9.061	9.054	9.074	VV	1064	11601	0.16%	0.028%
141	9.088	9.074	9.109	VV	2400	32811	0.44%	0.079%

rteres

142	9.125	9.109	9.143	VV	2564	37667	0.50%	0.090%
143	9.161	9.143	9.178	VV	1977	24222	0.32%	0.058%
144	9.194	9.178	9.224	VV	998	14135	0.19%	0.034%
145	9.241	9.224	9.261	VV	506	8247	0.11%	0.020%
146	9.265	9.261	9.273	VV	278	1576	0.02%	0.004%
147	9.296	9.273	9.310	VV	843	12593	0.17%	0.030%
148	9.330	9.310	9.358	VV	1099	18697	0.25%	0.045%
149	9.363	9.358	9.370	VV	338	1714	0.02%	0.004%
150	9.392	9.370	9.406	VV	838	12938	0.17%	0.031%
151	9.410	9.406	9.443	VV	759	11763	0.16%	0.028%
152	9.475	9.443	9.515	VV	1688	34610	0.46%	0.083%
153	9.527	9.515	9.560	VV	671	13255	0.18%	0.032%
154	9.565	9.560	9.597	VV	593	9314	0.12%	0.022%
155	9.613	9.597	9.640	VV	860	15440	0.21%	0.037%
156	9.643	9.640	9.650	VV	401	2246	0.03%	0.005%
157	9.665	9.650	9.694	VV	593	11845	0.16%	0.028%
158	9.722	9.694	9.734	VV	5543	62796	0.84%	0.151%
159	9.752	9.734	9.800	VV	63518	638579	8.53%	1.533%
160	9.806	9.800	9.809	VV	574	3019	0.04%	0.007%
161	9.822	9.809	9.856	VV	778	11233	0.15%	0.027%
162	9.883	9.856	9.932	VV	1371	22579	0.30%	0.054%
163	9.959	9.932	10.015	VV	662	20098	0.27%	0.048%
164	10.020	10.015	10.031	VV	470	3686	0.05%	0.009%
165	10.044	10.031	10.059	VV	574	6975	0.09%	0.017%
166	10.079	10.059	10.104	VV	1110	14483	0.19%	0.035%
167	10.107	10.104	10.117	PV	356	1707	0.02%	0.004%
168	10.128	10.124	10.150	VV	273	2506	0.03%	0.006%
169	10.159	10.150	10.178	VV	287	3039	0.04%	0.007%
170	10.224	10.178	10.246	VV	4734	60203	0.80%	0.144%
171	10.250	10.246	10.259	VV	599	4240	0.06%	0.010%
172	10.277	10.259	10.295	VV	865	12721	0.17%	0.031%
173	10.314	10.295	10.332	VV	1057	16639	0.22%	0.040%
174	10.342	10.332	10.352	VV	722	7870	0.11%	0.019%
175	10.353	10.352	10.383	VV	808	9732	0.13%	0.023%
176	10.405	10.383	10.442	VV	1411	24618	0.33%	0.059%
177	10.445	10.442	10.453	VV	467	2750	0.04%	0.007%
178	10.483	10.453	10.495	VV	696	12659	0.17%	0.030%
179	10.506	10.495	10.515	VV	653	7036	0.09%	0.017%
180	10.524	10.515	10.539	VV	723	8373	0.11%	0.020%
181	10.552	10.539	10.570	VV	729	12247	0.16%	0.029%
182	10.574	10.570	10.585	VV	821	5994	0.08%	0.014%
183	10.601	10.585	10.657	VV	1119	29709	0.40%	0.071%
184	10.672	10.657	10.691	VV	753	10080	0.13%	0.024%
185	10.712	10.691	10.729	VV	902	16061	0.21%	0.039%
186	10.752	10.729	10.789	VV	1438	30529	0.41%	0.073%
187	10.803	10.789	10.825	VV	787	13630	0.18%	0.033%
188	10.839	10.825	10.856	VV	800	10860	0.15%	0.026%
189	10.873	10.856	10.889	VV	2007	22597	0.30%	0.054%
190	10.900	10.889	10.922	VV	1081	17281	0.23%	0.041%
191	10.928	10.922	10.931	VV	778	3961	0.05%	0.010%
192	10.945	10.931	10.975	VV	1166	21071	0.28%	0.051%
193	10.991	10.975	11.003	VV	875	11536	0.15%	0.028%
194	11.008	11.003	11.025	VV	692	7006	0.09%	0.017%

rteres

195	11.048	11.025	11.069	VV	897	16439	0.22%	0.039%
196	11.077	11.069	11.084	VV	581	4268	0.06%	0.010%
197	11.087	11.084	11.104	VV	517	4435	0.06%	0.011%
198	11.121	11.104	11.130	VV	402	5361	0.07%	0.013%
199	11.142	11.130	11.153	VV	469	4325	0.06%	0.010%
200	11.177	11.153	11.202	VV	2213	27486	0.37%	0.066%
201	11.210	11.202	11.226	VV	253	2060	0.03%	0.005%
202	11.250	11.226	11.272	PV	748	10409	0.14%	0.025%
203	11.295	11.272	11.306	VV	624	7630	0.10%	0.018%
204	11.321	11.306	11.353	VV	1407	16755	0.22%	0.040%
205	11.394	11.353	11.447	VV	730	17920	0.24%	0.043%
206	11.478	11.447	11.484	VV	624	7652	0.10%	0.018%
207	11.487	11.484	11.500	VV	534	2735	0.04%	0.007%
208	11.512	11.500	11.526	VV	454	5064	0.07%	0.012%
209	11.530	11.526	11.551	VV	280	2935	0.04%	0.007%
210	11.562	11.551	11.571	VV	307	2604	0.03%	0.006%
211	11.646	11.584	11.692	PV	698661	7483179	100.00%	17.960%
212	11.706	11.692	11.717	VV	1020	10841	0.14%	0.026%
213	11.737	11.717	11.775	VV	2812	49437	0.66%	0.119%
214	11.803	11.775	11.828	VV	2390	35080	0.47%	0.084%
215	11.852	11.828	11.862	VV	490	6047	0.08%	0.015%
216	11.866	11.862	11.884	VV	436	3648	0.05%	0.009%
217	11.891	11.884	11.901	VV	297	2193	0.03%	0.005%
218	11.916	11.901	11.938	VV	497	7831	0.10%	0.019%
219	11.981	11.938	12.007	VV	1077	27615	0.37%	0.066%
220	12.040	12.007	12.063	VV	6169	76936	1.03%	0.185%
221	12.081	12.063	12.107	VV	1331	19994	0.27%	0.048%
222	12.112	12.107	12.117	VV	570	2754	0.04%	0.007%
223	12.121	12.117	12.125	VV	512	2421	0.03%	0.006%
224	12.144	12.125	12.175	VV	753	15710	0.21%	0.038%
225	12.239	12.175	12.275	VV	165491	1972924	26.36%	4.735%
226	12.295	12.275	12.338	VV	7622	130491	1.74%	0.313%
227	12.347	12.338	12.360	VV	1257	16067	0.21%	0.039%
228	12.370	12.360	12.404	VV	1455	30388	0.41%	0.073%
229	12.408	12.404	12.428	VV	981	11914	0.16%	0.029%
230	12.485	12.428	12.524	VV	5480	115027	1.54%	0.276%
231	12.526	12.524	12.533	VV	405	2048	0.03%	0.005%
232	12.565	12.533	12.602	VV	224235	2535407	33.88%	6.085%
233	12.627	12.602	12.667	VV	1985	31795	0.42%	0.076%
234	12.689	12.667	12.737	VV	4497	84294	1.13%	0.202%
235	12.755	12.737	12.784	PV	884	12777	0.17%	0.031%
236	12.807	12.799	12.825	VV	301	3564	0.05%	0.009%
237	12.838	12.825	12.858	VV	470	4651	0.06%	0.011%
238	12.874	12.858	12.889	VV	618	7401	0.10%	0.018%
239	12.894	12.889	12.900	VV	599	3708	0.05%	0.009%
240	12.903	12.900	12.914	VV	651	3976	0.05%	0.010%
241	12.915	12.914	12.931	VV	457	3095	0.04%	0.007%
242	12.938	12.931	12.945	VV	229	1863	0.02%	0.004%
243	12.984	12.945	12.995	VV	2736	36574	0.49%	0.088%
244	13.025	12.995	13.048	VV	305176	3511629	46.93%	8.428%
245	13.071	13.048	13.102	VV	119256	1361417	18.19%	3.267%
246	13.119	13.102	13.126	VV	997	10000	0.13%	0.024%

rteres

247	13.130	13.126	13.165	VV	763	13682	0.18%	0.033%
248	13.171	13.165	13.174	VV	463	2016	0.03%	0.005%
249	13.193	13.174	13.209	VV	618	9020	0.12%	0.022%
250	13.249	13.209	13.257	VV	791	14159	0.19%	0.034%
251	13.290	13.257	13.342	VV	3766	80421	1.07%	0.193%
252	13.358	13.342	13.372	VV	973	15257	0.20%	0.037%
253	13.398	13.372	13.428	VV	1627	34931	0.47%	0.084%
254	13.462	13.428	13.505	VV	83043	1005678	13.44%	2.414%
255	13.517	13.505	13.553	VV	2738	54729	0.73%	0.131%
256	13.573	13.553	13.586	VV	1376	21155	0.28%	0.051%
257	13.630	13.586	13.658	VV	5671	117933	1.58%	0.283%
258	13.685	13.658	13.739	VV	17149	217432	2.91%	0.522%
259	13.743	13.739	13.750	VV	509	3160	0.04%	0.008%
260	13.772	13.750	13.796	VV	2160	32599	0.44%	0.078%
261	13.800	13.796	13.804	VV	327	1395	0.02%	0.003%
262	13.821	13.804	13.835	VV	1457	19295	0.26%	0.046%
263	13.847	13.835	13.856	VV	1329	13694	0.18%	0.033%
264	13.870	13.856	13.910	VV	1513	25195	0.34%	0.060%
265	13.946	13.910	13.969	VV	3634	61929	0.83%	0.149%
266	13.970	13.969	13.991	VV	1588	11513	0.15%	0.028%
267	13.996	13.991	14.000	VV	370	1681	0.02%	0.004%
268	14.006	14.000	14.011	VV	410	2309	0.03%	0.006%
269	14.034	14.011	14.056	VV	837	16389	0.22%	0.039%
270	14.060	14.056	14.096	VV	579	6630	0.09%	0.016%
271	14.117	14.096	14.122	PV	353	2942	0.04%	0.007%
272	14.131	14.122	14.134	VV	235	1158	0.02%	0.003%
273	14.153	14.134	14.161	VV	417	4575	0.06%	0.011%
274	14.187	14.161	14.197	VV	1524	19901	0.27%	0.048%
275	14.216	14.197	14.240	VV	3317	56086	0.75%	0.135%
276	14.257	14.240	14.287	VV	1718	31424	0.42%	0.075%
277	14.317	14.287	14.339	VV	1459	25665	0.34%	0.062%
278	14.378	14.339	14.403	VV	3891	62710	0.84%	0.151%
279	14.423	14.403	14.442	VV	3064	43857	0.59%	0.105%
280	14.469	14.442	14.514	VV	2814	63181	0.84%	0.152%
281	14.557	14.514	14.586	VV	5902	97779	1.31%	0.235%
282	14.606	14.586	14.620	VV	2015	31551	0.42%	0.076%
283	14.627	14.620	14.652	VV	1692	26130	0.35%	0.063%
284	14.685	14.652	14.720	VV	15969	265087	3.54%	0.636%
285	14.732	14.720	14.745	VV	1418	19077	0.25%	0.046%
286	14.757	14.745	14.764	VV	1559	16136	0.22%	0.039%
287	14.772	14.764	14.779	VV	1580	12693	0.17%	0.030%
288	14.783	14.779	14.803	VV	1644	21970	0.29%	0.053%
289	14.838	14.803	14.876	VV	74755	918955	12.28%	2.205%
290	14.895	14.876	14.914	VV	2851	56310	0.75%	0.135%
291	14.920	14.914	14.943	VV	1937	25184	0.34%	0.060%
292	14.965	14.943	15.000	VV	3760	58844	0.79%	0.141%
293	15.013	15.000	15.037	VV	874	15747	0.21%	0.038%
294	15.051	15.037	15.075	VV	1296	19340	0.26%	0.046%
295	15.108	15.075	15.128	VV	1211	24748	0.33%	0.059%
296	15.135	15.128	15.182	VV	689	16763	0.22%	0.040%
297	15.187	15.182	15.198	VV	500	3672	0.05%	0.009%
298	15.204	15.198	15.209	VV	461	2405	0.03%	0.006%
299	15.220	15.209	15.230	VV	554	5723	0.08%	0.014%

rteres

300	15.243	15.230	15.262	VV	614	8390	0.11%	0.020%
301	15.298	15.262	15.349	VV	23794	394694	5.27%	0.947%
302	15.365	15.349	15.379	VV	2906	46074	0.62%	0.111%
303	15.395	15.379	15.420	VV	3617	58642	0.78%	0.141%
304	15.456	15.420	15.477	VV	2088	45891	0.61%	0.110%
305	15.492	15.477	15.507	VV	1198	16576	0.22%	0.040%
306	15.525	15.507	15.544	VV	930	14945	0.20%	0.036%
307	15.567	15.544	15.597	VV	1051	21764	0.29%	0.052%
308	15.607	15.597	15.615	VV	454	4586	0.06%	0.011%
309	15.650	15.615	15.716	VV	5261	112313	1.50%	0.270%
310	15.722	15.716	15.736	VV	1081	10370	0.14%	0.025%
311	15.746	15.736	15.768	VV	832	14076	0.19%	0.034%
312	15.788	15.768	15.802	VV	1415	20618	0.28%	0.049%
313	15.819	15.802	15.850	VV	1640	34409	0.46%	0.083%
314	15.901	15.850	15.928	VV	34727	461151	6.16%	1.107%
315	15.940	15.928	15.967	VV	1521	21012	0.28%	0.050%
316	15.999	15.967	16.025	VV	3176	47755	0.64%	0.115%
317	16.030	16.025	16.060	VV	274	2653	0.04%	0.006%
318	16.091	16.060	16.102	PV	521	7053	0.09%	0.017%
319	16.127	16.102	16.137	VV	297	4685	0.06%	0.011%
320	16.139	16.137	16.149	VV	306	1396	0.02%	0.003%
321	16.193	16.165	16.214	VV	791	11449	0.15%	0.027%
322	16.225	16.214	16.230	VV	513	3348	0.04%	0.008%
323	16.244	16.230	16.257	VV	704	9245	0.12%	0.022%
324	16.274	16.257	16.280	VV	706	7245	0.10%	0.017%
325	16.307	16.280	16.339	VV	24953	375549	5.02%	0.901%
326	16.362	16.339	16.390	VV	21122	341731	4.57%	0.820%
327	16.394	16.390	16.459	VV	5490	97940	1.31%	0.235%
328	16.501	16.459	16.523	VV	1534	33810	0.45%	0.081%
329	16.551	16.523	16.575	VV	2000	31965	0.43%	0.077%
330	16.582	16.575	16.590	VV	579	4829	0.06%	0.012%
331	16.627	16.590	16.659	VV	6753	108111	1.44%	0.259%
332	16.671	16.659	16.707	VV	2447	48432	0.65%	0.116%
333	16.723	16.707	16.752	VV	1395	26475	0.35%	0.064%
334	16.786	16.752	16.812	VV	2264	49860	0.67%	0.120%
335	16.837	16.812	16.865	VV	5138	95853	1.28%	0.230%
336	16.882	16.865	16.915	VV	2529	43176	0.58%	0.104%
337	16.936	16.915	16.948	VV	2426	31780	0.42%	0.076%
338	16.961	16.948	16.997	VV	3318	47190	0.63%	0.113%
339	17.010	16.997	17.028	VV	473	6813	0.09%	0.016%
340	17.036	17.028	17.068	VV	451	5852	0.08%	0.014%
341	17.084	17.068	17.104	PV	308	3891	0.05%	0.009%
342	17.134	17.104	17.159	VV	1642	31985	0.43%	0.077%
343	17.165	17.159	17.171	VV	660	4234	0.06%	0.010%
344	17.185	17.171	17.192	VV	794	8138	0.11%	0.020%
345	17.211	17.192	17.224	VV	1282	17811	0.24%	0.043%
346	17.249	17.224	17.270	VV	9757	152925	2.04%	0.367%
347	17.291	17.270	17.317	VV	11142	199792	2.67%	0.480%
348	17.328	17.317	17.370	VV	5055	84484	1.13%	0.203%
349	17.384	17.370	17.395	VV	806	9625	0.13%	0.023%
350	17.416	17.395	17.463	VV	1206	28797	0.38%	0.069%
351	17.467	17.463	17.476	VV	555	3821	0.05%	0.009%

					rteres			
352	17.488	17.476	17.493	VV	520	4617	0.06%	0.011%
353	17.498	17.493	17.504	VV	467	2759	0.04%	0.007%
354	17.541	17.504	17.603	VV	3232	84410	1.13%	0.203%
355	17.626	17.603	17.632	VV	925	12326	0.16%	0.030%
356	17.633	17.632	17.673	VV	915	13211	0.18%	0.032%
357	17.732	17.673	17.751	VV	2370	63763	0.85%	0.153%
358	17.772	17.751	17.824	VV	2828	52360	0.70%	0.126%
359	17.859	17.824	17.886	VV	3977	61728	0.82%	0.148%
360	17.902	17.886	17.907	VV	803	7971	0.11%	0.019%
361	17.912	17.907	17.919	VV	726	4726	0.06%	0.011%
362	17.956	17.919	17.973	VV	1376	28285	0.38%	0.068%
363	17.997	17.973	18.023	VV	2864	46434	0.62%	0.111%
364	18.067	18.023	18.086	VV	3197	62510	0.84%	0.150%
365	18.093	18.086	18.105	VV	1878	20640	0.28%	0.050%
366	18.131	18.105	18.173	VV	9780	235580	3.15%	0.565%
367	18.193	18.173	18.246	VV	6503	126851	1.70%	0.304%
368	18.284	18.246	18.305	VV	1513	33552	0.45%	0.081%
369	18.312	18.305	18.318	VV	902	6170	0.08%	0.015%
370	18.320	18.318	18.350	VV	795	7304	0.10%	0.018%
371	18.397	18.350	18.417	VV	1556	24722	0.33%	0.059%
372	18.420	18.417	18.427	VV	488	2306	0.03%	0.006%
373	18.455	18.427	18.480	VV	785	17756	0.24%	0.043%
374	18.486	18.480	18.504	VV	610	5935	0.08%	0.014%
375	18.514	18.504	18.518	PV	217	1213	0.02%	0.003%
376	18.577	18.518	18.663	VV	5600	173350	2.32%	0.416%
377	18.693	18.663	18.751	VV	6717	131011	1.75%	0.314%
378	18.785	18.751	18.829	VV	5836	90829	1.21%	0.218%
379	18.885	18.844	18.920	PV	10468	165484	2.21%	0.397%
380	18.958	18.920	18.980	PV	13703	183747	2.46%	0.441%

Sum of corrected areas: 41666613

Aromatic EPH 052425.M Fri Jun 13 05:28:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069185.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-SB01

12

A B C D E F G H I J

Integration File: autoint1.e
Quant Time: Jun 13 02:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.115	2903246	32.361 ug/ml
Spiked Amount 50.000		Recovery = 64.72%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

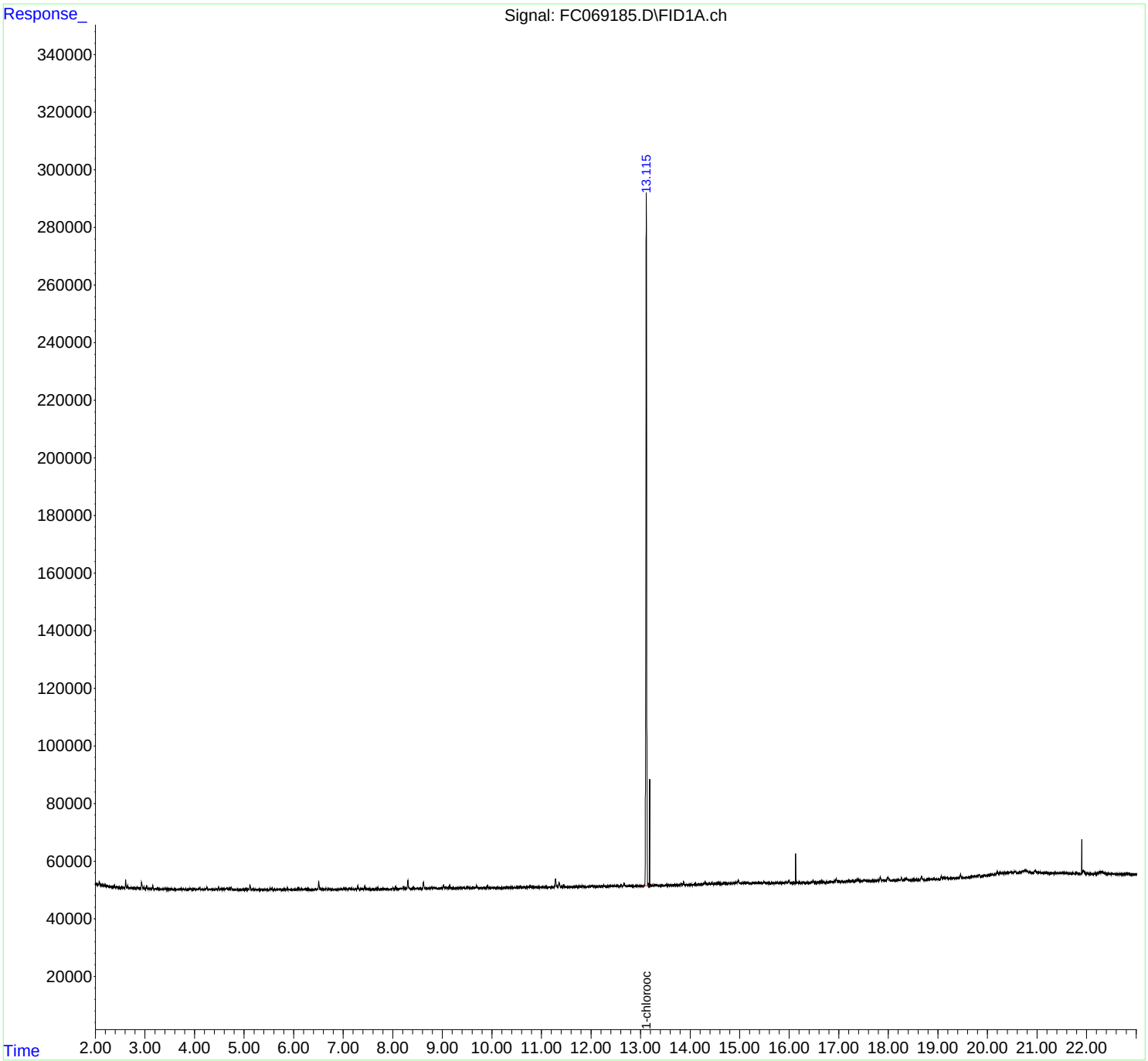
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069185.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

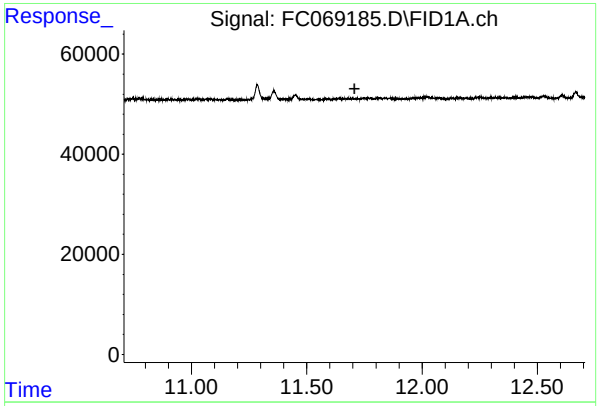
Instrument :
FID_C
ClientSampleId :
B-202-SB01

12

Integration File: autoint1.e
Quant Time: Jun 13 02:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

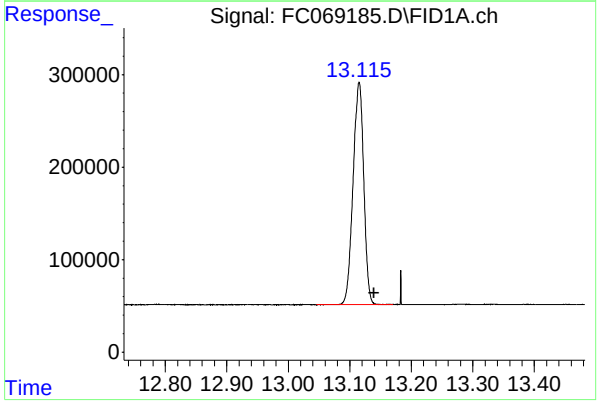




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-202-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 2903246
Conc: 32.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069185.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 13:40
Sample : Q2177-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.238	3.204	3.341	BV	67	2330	0.08%	0.032%
2	3.343	3.341	3.386	VV	104	799	0.03%	0.011%
3	3.409	3.386	3.454	PV	438	4916	0.17%	0.068%
4	3.461	3.454	3.477	VV	99	420	0.01%	0.006%
5	3.488	3.477	3.494	PV	79	419	0.01%	0.006%
6	3.507	3.494	3.526	VV	73	1272	0.04%	0.018%
7	3.557	3.526	3.571	VV	113	1522	0.05%	0.021%
8	3.583	3.571	3.601	VV	110	1031	0.04%	0.014%
9	3.611	3.601	3.641	PV	130	1314	0.05%	0.018%
10	3.687	3.641	3.698	VV	121	2087	0.07%	0.029%
11	3.714	3.698	3.725	VV	229	2450	0.08%	0.034%
12	3.736	3.725	3.764	VV	248	2906	0.10%	0.040%
13	3.798	3.764	3.811	PV	200	3598	0.12%	0.050%
14	3.825	3.811	3.848	VV	193	2327	0.08%	0.032%
15	3.855	3.848	3.887	VV	95	1464	0.05%	0.020%
16	3.907	3.887	3.951	VV	379	7066	0.24%	0.098%
17	3.954	3.951	3.978	VV	129	1355	0.05%	0.019%
18	3.989	3.978	4.034	VV	354	4846	0.17%	0.067%
19	4.081	4.034	4.094	VV	523	7562	0.26%	0.105%
20	4.108	4.094	4.129	VV	756	7860	0.27%	0.109%
21	4.144	4.129	4.154	VV	213	1892	0.06%	0.026%
22	4.178	4.154	4.211	VV	263	4856	0.17%	0.067%
23	4.248	4.211	4.324	VV	803	16226	0.56%	0.225%
24	4.352	4.324	4.369	VV	168	2775	0.10%	0.038%
25	4.388	4.369	4.400	VV	188	2341	0.08%	0.032%
26	4.411	4.400	4.432	VV	169	3076	0.11%	0.043%
27	4.441	4.432	4.464	VV	151	2384	0.08%	0.033%
28	4.482	4.464	4.516	VV	893	12264	0.42%	0.170%
29	4.527	4.516	4.567	VV	324	6537	0.22%	0.091%
30	4.588	4.567	4.618	VV	303	6528	0.22%	0.091%
31	4.650	4.618	4.687	VV	698	13473	0.46%	0.187%
32	4.706	4.687	4.721	VV	505	6303	0.22%	0.087%
33	4.737	4.721	4.758	VV	931	9757	0.33%	0.135%
34	4.769	4.758	4.822	VV	151	3274	0.11%	0.045%
35	4.859	4.822	4.886	VV	179	3451	0.12%	0.048%
36	4.940	4.886	4.985	VV	157	4760	0.16%	0.066%

rteres

37	4.996	4.985	5.001	PV	72	472	0.02%	0.007%
38	5.008	5.001	5.031	VV	100	1118	0.04%	0.015%
39	5.039	5.031	5.078	VV	161	2277	0.08%	0.032%
40	5.118	5.078	5.151	VV	1823	24842	0.85%	0.344%
41	5.175	5.151	5.194	VV	361	5580	0.19%	0.077%
42	5.205	5.194	5.229	VV	237	2659	0.09%	0.037%
43	5.237	5.229	5.273	VV	117	2310	0.08%	0.032%
44	5.304	5.273	5.334	VV	126	2656	0.09%	0.037%
45	5.348	5.334	5.388	VV	169	2266	0.08%	0.031%
46	5.401	5.388	5.412	VV	208	1390	0.05%	0.019%
47	5.472	5.430	5.497	PV	194	3421	0.12%	0.047%
48	5.523	5.497	5.545	VV	638	8217	0.28%	0.114%
49	5.563	5.545	5.588	VV	654	8386	0.29%	0.116%
50	5.619	5.588	5.674	VV	219	5302	0.18%	0.073%
51	5.711	5.674	5.734	VV	272	5617	0.19%	0.078%
52	5.743	5.734	5.764	VV	193	1359	0.05%	0.019%
53	5.814	5.764	5.848	VV	282	5432	0.19%	0.075%
54	5.873	5.848	5.973	VV	368	6563	0.23%	0.091%
55	5.985	5.973	6.018	VV	112	2259	0.08%	0.031%
56	6.026	6.018	6.058	VV	142	2832	0.10%	0.039%
57	6.080	6.058	6.104	VV	316	6140	0.21%	0.085%
58	6.122	6.104	6.148	VV	266	5158	0.18%	0.072%
59	6.166	6.148	6.198	VV	381	6437	0.22%	0.089%
60	6.223	6.198	6.274	VV	294	7818	0.27%	0.108%
61	6.283	6.274	6.332	VV	165	3788	0.13%	0.053%
62	6.393	6.332	6.411	VV	145	4170	0.14%	0.058%
63	6.427	6.411	6.461	VV	136	3031	0.10%	0.042%
64	6.507	6.461	6.570	VV	3013	38401	1.32%	0.532%
65	6.590	6.570	6.609	VV	324	3642	0.13%	0.050%
66	6.628	6.609	6.638	VV	199	2337	0.08%	0.032%
67	6.656	6.638	6.677	VV	475	6000	0.21%	0.083%
68	6.690	6.677	6.714	VV	188	2826	0.10%	0.039%
69	6.728	6.714	6.781	VV	255	3409	0.12%	0.047%
70	6.792	6.781	6.804	VV	51	317	0.01%	0.004%
71	6.827	6.804	6.854	PV	130	1446	0.05%	0.020%
72	6.878	6.854	6.898	VV	112	1694	0.06%	0.023%
73	6.909	6.898	6.937	VV	87	1622	0.06%	0.022%
74	6.950	6.937	6.966	VV	270	2971	0.10%	0.041%
75	6.976	6.966	6.985	VV	132	1268	0.04%	0.018%
76	7.005	6.985	7.038	VV	361	7841	0.27%	0.109%
77	7.052	7.038	7.094	VV	362	7476	0.26%	0.104%
78	7.131	7.094	7.158	VV	544	9714	0.33%	0.135%
79	7.166	7.158	7.201	VV	194	3953	0.14%	0.055%
80	7.237	7.201	7.264	VV	167	4410	0.15%	0.061%
81	7.293	7.264	7.327	VV	1166	14577	0.50%	0.202%
82	7.350	7.327	7.388	VV	239	6113	0.21%	0.085%
83	7.400	7.388	7.414	VV	239	3225	0.11%	0.045%
84	7.432	7.414	7.473	VV	1050	13916	0.48%	0.193%
85	7.499	7.473	7.510	VV	186	3425	0.12%	0.047%
86	7.528	7.510	7.574	VV	328	5866	0.20%	0.081%
87	7.591	7.574	7.626	VV	131	2723	0.09%	0.038%
88	7.645	7.626	7.668	VV	144	2451	0.08%	0.034%
89	7.696	7.668	7.725	PV	476	6469	0.22%	0.090%

rteres

90	7.783	7.725	7.798	VV	240	6094	0.21%	0.084%
91	7.841	7.798	7.854	VV	201	5162	0.18%	0.072%
92	7.865	7.854	7.881	VV	186	2229	0.08%	0.031%
93	7.893	7.881	7.903	VV	161	1557	0.05%	0.022%
94	7.914	7.903	7.938	VV	140	1618	0.06%	0.022%
95	7.954	7.938	7.981	PV	160	2386	0.08%	0.033%
96	8.001	7.981	8.028	VV	551	7092	0.24%	0.098%
97	8.057	8.028	8.113	VV	812	13239	0.45%	0.184%
98	8.156	8.113	8.164	VV	269	5525	0.19%	0.077%
99	8.175	8.164	8.184	VV	262	2640	0.09%	0.037%
100	8.211	8.184	8.255	VV	705	15579	0.53%	0.216%
101	8.264	8.255	8.282	VV	320	3923	0.13%	0.054%
102	8.306	8.282	8.388	VV	3069	42981	1.48%	0.596%
103	8.418	8.388	8.471	VV	380	13947	0.48%	0.193%
104	8.499	8.471	8.523	VV	283	5858	0.20%	0.081%
105	8.542	8.523	8.581	VV	285	5089	0.17%	0.071%
106	8.621	8.581	8.701	VV	2456	41310	1.42%	0.573%
107	8.708	8.701	8.750	VV	256	6340	0.22%	0.088%
108	8.806	8.750	8.831	VV	439	16920	0.58%	0.235%
109	8.847	8.831	8.888	VV	479	11402	0.39%	0.158%
110	8.910	8.888	8.943	VV	237	4357	0.15%	0.060%
111	8.962	8.943	8.981	VV	221	2853	0.10%	0.040%
112	9.027	8.981	9.054	VV	1361	23202	0.80%	0.322%
113	9.068	9.054	9.103	VV	512	11237	0.39%	0.156%
114	9.147	9.103	9.199	VV	978	25773	0.88%	0.357%
115	9.218	9.199	9.247	VV	360	5436	0.19%	0.075%
116	9.269	9.247	9.284	VV	277	3581	0.12%	0.050%
117	9.315	9.284	9.335	VV	255	4853	0.17%	0.067%
118	9.369	9.335	9.403	VV	291	8059	0.28%	0.112%
119	9.429	9.403	9.477	VV	406	9304	0.32%	0.129%
120	9.499	9.477	9.541	VV	664	12566	0.43%	0.174%
121	9.556	9.541	9.574	VV	359	4862	0.17%	0.067%
122	9.592	9.574	9.611	VV	252	4443	0.15%	0.062%
123	9.637	9.611	9.667	VV	365	8598	0.30%	0.119%
124	9.690	9.667	9.732	VV	905	12934	0.44%	0.179%
125	9.776	9.732	9.808	VV	157	4260	0.15%	0.059%
126	9.832	9.808	9.868	VV	378	6581	0.23%	0.091%
127	9.911	9.868	9.945	VV	1090	17121	0.59%	0.237%
128	9.993	9.945	10.034	VV	241	7718	0.26%	0.107%
129	10.077	10.034	10.111	VV	169	4439	0.15%	0.062%
130	10.128	10.111	10.174	VV	264	4272	0.15%	0.059%
131	10.185	10.174	10.205	VV	180	2147	0.07%	0.030%
132	10.241	10.205	10.278	VV	231	5780	0.20%	0.080%
133	10.304	10.278	10.321	VV	313	5668	0.19%	0.079%
134	10.347	10.321	10.367	VV	284	4859	0.17%	0.067%
135	10.391	10.367	10.438	VV	292	7542	0.26%	0.105%
136	10.463	10.438	10.487	VV	206	4823	0.17%	0.067%
137	10.554	10.487	10.610	VV	334	15479	0.53%	0.215%
138	10.652	10.610	10.687	VV	392	10913	0.37%	0.151%
139	10.746	10.687	10.818	PV	506	21477	0.74%	0.298%
140	10.847	10.818	10.881	VV	248	7169	0.25%	0.099%
141	10.896	10.881	10.922	VV	207	4222	0.14%	0.059%

rteres

142	10.931	10.922	10.963	VV	188	3861	0.13%	0.054%
143	10.978	10.963	11.001	VV	240	3857	0.13%	0.053%
144	11.021	11.001	11.053	VV	295	5928	0.20%	0.082%
145	11.078	11.053	11.094	VV	228	4428	0.15%	0.061%
146	11.106	11.094	11.137	VV	116	2375	0.08%	0.033%
147	11.157	11.137	11.184	VV	238	3433	0.12%	0.048%
148	11.194	11.184	11.243	PV	98	1998	0.07%	0.028%
149	11.285	11.243	11.331	VV	3076	45823	1.57%	0.635%
150	11.357	11.331	11.388	VV	1793	26236	0.90%	0.364%
151	11.394	11.388	11.421	VV	184	2617	0.09%	0.036%
152	11.451	11.421	11.492	VV	999	14791	0.51%	0.205%
153	11.524	11.492	11.571	VV	104	2872	0.10%	0.040%
154	11.594	11.571	11.605	VV	158	2211	0.08%	0.031%
155	11.636	11.605	11.655	VV	253	4355	0.15%	0.060%
156	11.666	11.655	11.674	VV	225	2023	0.07%	0.028%
157	11.678	11.674	11.731	VV	209	5072	0.17%	0.070%
158	11.768	11.731	11.788	VV	308	6980	0.24%	0.097%
159	11.813	11.788	11.827	VV	296	5182	0.18%	0.072%
160	11.843	11.827	11.914	VV	289	7770	0.27%	0.108%
161	11.926	11.914	11.944	VV	107	1856	0.06%	0.026%
162	11.979	11.944	11.988	VV	223	4582	0.16%	0.064%
163	12.024	11.988	12.048	VV	438	10755	0.37%	0.149%
164	12.072	12.048	12.101	VV	219	4904	0.17%	0.068%
165	12.158	12.101	12.175	VV	174	5467	0.19%	0.076%
166	12.185	12.175	12.211	VV	179	2537	0.09%	0.035%
167	12.254	12.211	12.281	VV	342	8544	0.29%	0.118%
168	12.301	12.281	12.326	VV	269	5343	0.18%	0.074%
169	12.335	12.326	12.344	VV	202	1832	0.06%	0.025%
170	12.358	12.344	12.376	VV	247	3036	0.10%	0.042%
171	12.399	12.376	12.420	VV	357	5420	0.19%	0.075%
172	12.475	12.420	12.501	VV	307	11209	0.38%	0.155%
173	12.529	12.501	12.574	VV	479	9577	0.33%	0.133%
174	12.606	12.574	12.640	VV	622	9934	0.34%	0.138%
175	12.666	12.640	12.768	VV	1257	24253	0.83%	0.336%
176	12.786	12.768	12.813	VV	432	6699	0.23%	0.093%
177	12.851	12.813	12.900	VV	129	3854	0.13%	0.053%
178	12.937	12.900	12.985	VV	162	4657	0.16%	0.065%
179	12.995	12.985	13.004	VV	114	861	0.03%	0.012%
180	13.034	13.004	13.045	PV	163	1761	0.06%	0.024%
181	13.115	13.045	13.158	VV	239763	2913170	100.00%	40.384%
182	13.164	13.158	13.173	VV	321	2776	0.10%	0.038%
183	13.184	13.173	13.204	VV	11663	28015	0.96%	0.388%
184	13.220	13.204	13.254	VV	234	4535	0.16%	0.063%
185	13.281	13.254	13.314	VV	400	9437	0.32%	0.131%
186	13.331	13.314	13.369	VV	360	6536	0.22%	0.091%
187	13.387	13.369	13.431	VV	257	5611	0.19%	0.078%
188	13.452	13.431	13.528	VV	244	8075	0.28%	0.112%
189	13.559	13.528	13.591	VV	284	7218	0.25%	0.100%
190	13.627	13.591	13.639	VV	162	3781	0.13%	0.052%
191	13.666	13.639	13.691	VV	286	5644	0.19%	0.078%
192	13.727	13.691	13.762	VV	301	7726	0.27%	0.107%
193	13.817	13.762	13.841	VV	647	12472	0.43%	0.173%
194	13.868	13.841	13.901	VV	1303	20201	0.69%	0.280%

rteres

195	13.924	13.901	14.003	VV	346	10370	0.36%	0.144%
196	14.020	14.003	14.048	VV	201	4244	0.15%	0.059%
197	14.098	14.048	14.123	VV	426	10670	0.37%	0.148%
198	14.159	14.123	14.176	VV	275	6731	0.23%	0.093%
199	14.192	14.176	14.224	VV	318	6673	0.23%	0.093%
200	14.242	14.224	14.250	VV	333	4268	0.15%	0.059%
201	14.305	14.250	14.364	VV	1084	34603	1.19%	0.480%
202	14.385	14.364	14.408	VV	770	12836	0.44%	0.178%
203	14.432	14.408	14.451	VV	685	12084	0.41%	0.168%
204	14.500	14.451	14.514	VV	512	15173	0.52%	0.210%
205	14.528	14.514	14.538	VV	449	6055	0.21%	0.084%
206	14.561	14.538	14.604	VV	556	19287	0.66%	0.267%
207	14.625	14.604	14.650	VV	465	10782	0.37%	0.149%
208	14.693	14.650	14.746	VV	860	29441	1.01%	0.408%
209	14.796	14.746	14.821	VV	554	20313	0.70%	0.282%
210	14.831	14.821	14.888	VV	455	17304	0.59%	0.240%
211	14.926	14.888	14.948	VV	822	22621	0.78%	0.314%
212	14.972	14.948	15.035	VV	1520	38826	1.33%	0.538%
213	15.041	15.035	15.054	VV	442	4923	0.17%	0.068%
214	15.064	15.054	15.091	VV	489	9055	0.31%	0.126%
215	15.129	15.091	15.204	VV	594	32400	1.11%	0.449%
216	15.222	15.204	15.247	VV	454	9044	0.31%	0.125%
217	15.258	15.247	15.271	VV	412	4917	0.17%	0.068%
218	15.307	15.271	15.328	VV	603	16098	0.55%	0.223%
219	15.343	15.328	15.368	VV	422	8823	0.30%	0.122%
220	15.397	15.368	15.428	VV	625	16760	0.58%	0.232%
221	15.441	15.428	15.473	VV	450	9655	0.33%	0.134%
222	15.492	15.473	15.534	VV	752	17543	0.60%	0.243%
223	15.548	15.534	15.568	VV	378	5962	0.20%	0.083%
224	15.579	15.568	15.591	VV	383	4157	0.14%	0.058%
225	15.641	15.591	15.660	VV	462	13662	0.47%	0.189%
226	15.674	15.660	15.689	VV	344	5092	0.17%	0.071%
227	15.720	15.689	15.741	VV	425	9537	0.33%	0.132%
228	15.767	15.741	15.795	VV	460	10881	0.37%	0.151%
229	15.819	15.795	15.843	VV	354	9036	0.31%	0.125%
230	15.859	15.843	15.876	VV	339	5654	0.19%	0.078%
231	15.923	15.876	15.938	VV	477	10966	0.38%	0.152%
232	15.956	15.938	15.971	VV	519	7754	0.27%	0.107%
233	15.996	15.971	16.022	VV	1056	17893	0.61%	0.248%
234	16.037	16.022	16.071	VV	230	4888	0.17%	0.068%
235	16.128	16.071	16.159	VV	3515	13449	0.46%	0.186%
236	16.211	16.159	16.238	VV	345	10410	0.36%	0.144%
237	16.272	16.238	16.291	PV	196	3725	0.13%	0.052%
238	16.301	16.291	16.316	VV	304	2672	0.09%	0.037%
239	16.365	16.316	16.431	VV	232	9364	0.32%	0.130%
240	16.479	16.431	16.505	VV	752	14593	0.50%	0.202%
241	16.514	16.505	16.560	VV	251	4901	0.17%	0.068%
242	16.645	16.560	16.712	VV	473	21732	0.75%	0.301%
243	16.724	16.712	16.734	VV	102	1280	0.04%	0.018%
244	16.762	16.734	16.778	VV	173	3058	0.10%	0.042%
245	16.837	16.778	16.852	VV	266	7513	0.26%	0.104%
246	16.947	16.852	16.970	VV	1182	31699	1.09%	0.439%

rteres

247	16.981	16.970	17.028	VV	465	9938	0.34%	0.138%
248	17.045	17.028	17.117	VV	233	8108	0.28%	0.112%
249	17.202	17.117	17.242	VV	692	21546	0.74%	0.299%
250	17.271	17.242	17.318	VV	635	16673	0.57%	0.231%
251	17.343	17.318	17.354	VV	470	8197	0.28%	0.114%
252	17.375	17.354	17.385	VV	855	12188	0.42%	0.169%
253	17.398	17.385	17.467	VV	889	20726	0.71%	0.287%
254	17.521	17.467	17.554	VV	689	20451	0.70%	0.284%
255	17.573	17.554	17.604	VV	392	8258	0.28%	0.114%
256	17.617	17.604	17.658	VV	297	6337	0.22%	0.088%
257	17.700	17.658	17.720	VV	352	8574	0.29%	0.119%
258	17.753	17.720	17.768	VV	345	6083	0.21%	0.084%
259	17.789	17.768	17.807	VV	501	8610	0.30%	0.119%
260	17.837	17.807	17.864	VV	1497	24442	0.84%	0.339%
261	17.890	17.864	17.924	VV	477	11017	0.38%	0.153%
262	17.992	17.924	18.079	VV	1294	40644	1.40%	0.563%
263	18.089	18.079	18.095	VV	198	1426	0.05%	0.020%
264	18.102	18.095	18.136	VV	189	3783	0.13%	0.052%
265	18.162	18.136	18.175	VV	280	4163	0.14%	0.058%
266	18.194	18.175	18.208	VV	404	6197	0.21%	0.086%
267	18.217	18.208	18.241	VV	392	5656	0.19%	0.078%
268	18.262	18.241	18.287	VV	1026	14686	0.50%	0.204%
269	18.322	18.287	18.344	VV	403	9391	0.32%	0.130%
270	18.362	18.344	18.384	VV	898	14140	0.49%	0.196%
271	18.390	18.384	18.459	VV	345	7203	0.25%	0.100%
272	18.513	18.459	18.571	PV	398	13414	0.46%	0.186%
273	18.613	18.571	18.634	VV	238	5967	0.20%	0.083%
274	18.670	18.634	18.716	VV	1370	25677	0.88%	0.356%
275	18.728	18.716	18.747	VV	128	1523	0.05%	0.021%
276	18.785	18.747	18.804	VV	423	6827	0.23%	0.095%
277	18.831	18.804	18.852	VV	464	8350	0.29%	0.116%
278	18.864	18.852	18.886	VV	307	4561	0.16%	0.063%
279	18.927	18.886	18.951	VV	282	8210	0.28%	0.114%
280	18.962	18.951	18.991	VV	303	5021	0.17%	0.070%
281	19.000	18.991	19.022	VV	190	3368	0.12%	0.047%
282	19.069	19.022	19.091	VV	1074	21013	0.72%	0.291%
283	19.112	19.091	19.151	VV	642	17650	0.61%	0.245%
284	19.183	19.151	19.222	VV	662	20169	0.69%	0.280%
285	19.246	19.222	19.261	VV	469	8443	0.29%	0.117%
286	19.273	19.261	19.354	VV	432	18036	0.62%	0.250%
287	19.388	19.354	19.420	VV	454	13941	0.48%	0.193%
288	19.457	19.420	19.491	VV	1378	30706	1.05%	0.426%
289	19.496	19.491	19.537	VV	520	10680	0.37%	0.148%
290	19.615	19.537	19.624	VV	518	22855	0.78%	0.317%
291	19.663	19.624	19.673	VV	620	16397	0.56%	0.227%
292	19.738	19.673	19.791	VV	933	53200	1.83%	0.737%
293	19.831	19.791	19.858	VV	1213	35543	1.22%	0.493%
294	19.889	19.858	19.898	VV	758	17186	0.59%	0.238%
295	20.026	19.898	20.043	VV	1108	83522	2.87%	1.158%
296	20.084	20.043	20.094	VV	1174	34312	1.18%	0.476%
297	20.116	20.094	20.128	VV	1231	23798	0.82%	0.330%
298	20.136	20.128	20.148	VV	1140	13427	0.46%	0.186%
299	20.200	20.148	20.224	VV	2234	71300	2.45%	0.988%

rteres

300	20.251	20.224	20.315	VV	1693	85825	2.95%	1.190%
301	20.370	20.315	20.414	VV	1686	96377	3.31%	1.336%
302	20.424	20.414	20.438	VV	1726	22858	0.78%	0.317%
303	20.479	20.438	20.514	VV	1745	77431	2.66%	1.073%
304	20.563	20.514	20.624	VV	1930	110077	3.78%	1.526%
305	20.761	20.624	20.898	VV	2196	289999	9.95%	4.020%
306	20.908	20.898	20.924	VV	1445	21274	0.73%	0.295%
307	20.964	20.924	21.009	VV	2256	84964	2.92%	1.178%
308	21.022	21.009	21.034	VV	1383	20878	0.72%	0.289%
309	21.044	21.034	21.104	VV	1428	54099	1.86%	0.750%
310	21.125	21.104	21.148	VV	1247	31083	1.07%	0.431%
311	21.161	21.148	21.179	VV	1211	21673	0.74%	0.300%
312	21.188	21.179	21.245	VV	1147	42225	1.45%	0.585%
313	21.266	21.245	21.287	VV	1018	24105	0.83%	0.334%
314	21.339	21.287	21.348	VV	1027	35586	1.22%	0.493%
315	21.362	21.348	21.384	VV	1054	20438	0.70%	0.283%
316	21.419	21.384	21.461	VV	1075	44219	1.52%	0.613%
317	21.511	21.461	21.579	VV	954	62224	2.14%	0.863%
318	21.589	21.579	21.603	VV	809	11058	0.38%	0.153%
319	21.619	21.603	21.676	VV	802	29818	1.02%	0.413%
320	21.681	21.676	21.694	VV	629	6446	0.22%	0.089%
321	21.706	21.694	21.718	VV	633	7995	0.27%	0.111%
322	21.724	21.718	21.761	VV	734	15292	0.52%	0.212%
323	21.805	21.761	21.846	VV	649	29584	1.02%	0.410%
324	21.901	21.846	21.987	VV	4085	72339	2.48%	1.003%
325	21.999	21.987	22.044	VV	541	15588	0.54%	0.216%
326	22.067	22.044	22.118	VV	391	14809	0.51%	0.205%
327	22.130	22.118	22.158	VV	296	6372	0.22%	0.088%
328	22.262	22.158	22.270	VV	665	27659	0.95%	0.383%
329	22.292	22.270	22.411	VV	814	44378	1.52%	0.615%
330	22.421	22.411	22.491	VV	211	3482	0.12%	0.048%

Sum of corrected areas: 7213602

Aliphatic EPH 052425.M Fri Jun 13 03:35:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049459.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-202-SB01

Integration File: autoint1.e
Quant Time: Jun 13 04:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	6787663	40.832 ug/ml
Spiked Amount 50.000		Recovery =	81.66%
6) S 2-Flurobiphenyl (SURR)	8.599	4648646	40.636 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	81.27%
11) S ortho-Terphenyl (SURR)	11.646	7498843	37.360 ug/ml
Spiked Amount 50.000		Recovery =	74.72%
Target Compounds			

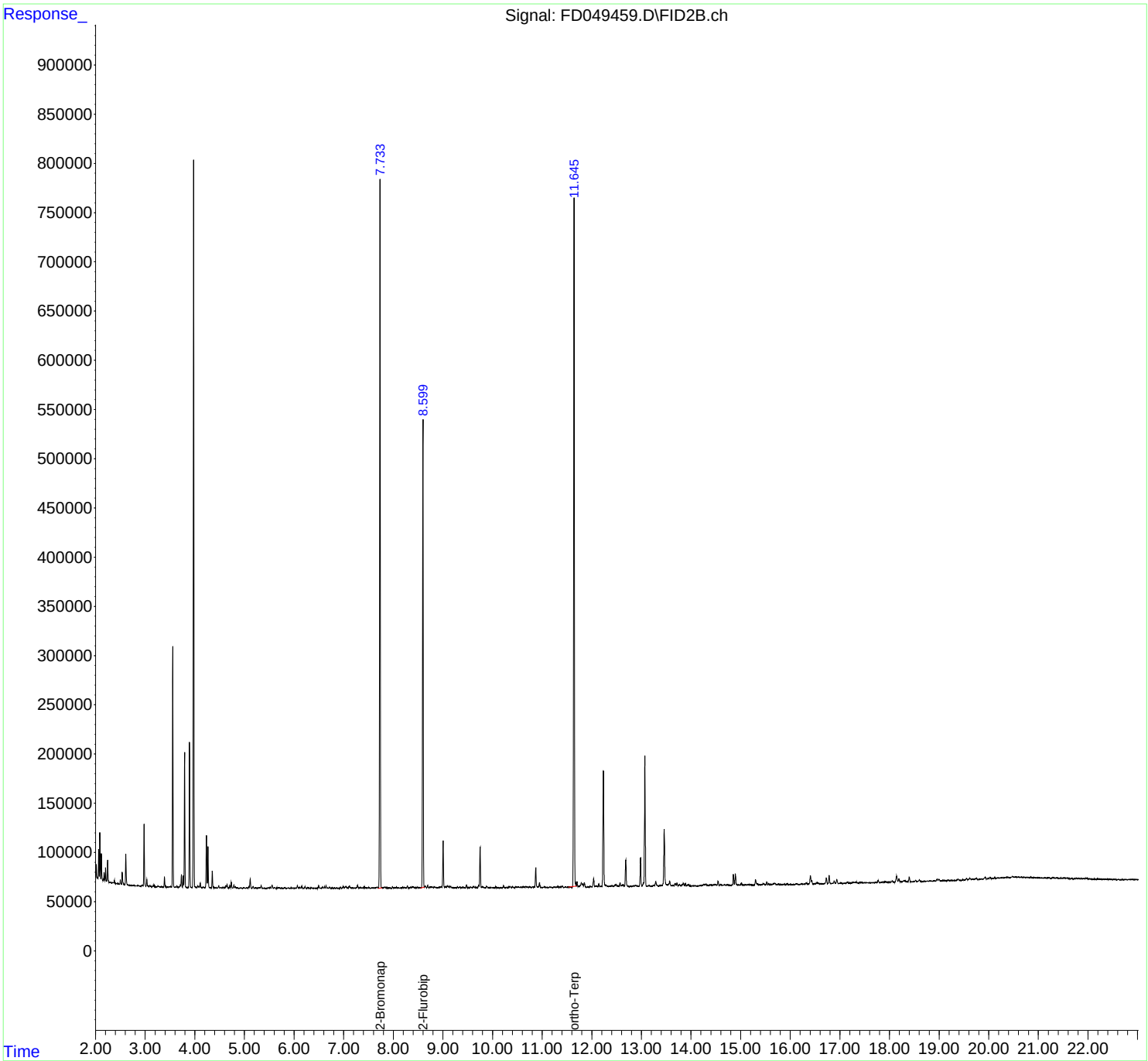
(f)=RT Delta > 1/2 Window (m)=manual int.

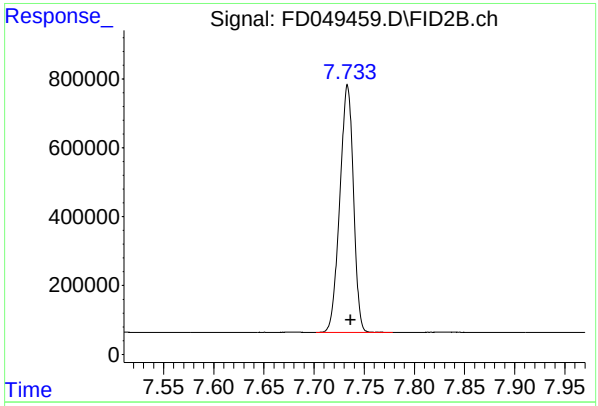
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049459.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-202-SB01

Integration File: autoint1.e
Quant Time: Jun 13 04:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

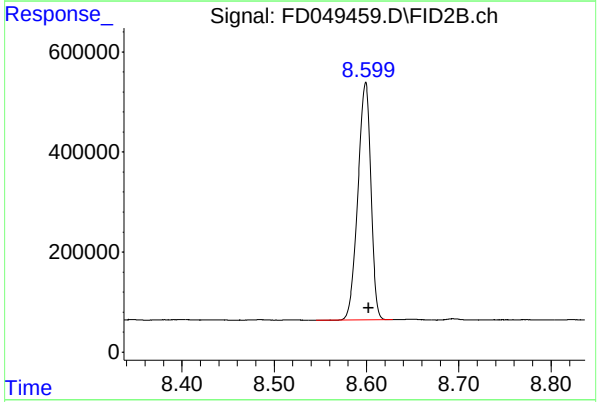




#4 2-Bromonaphthalene (SURR)

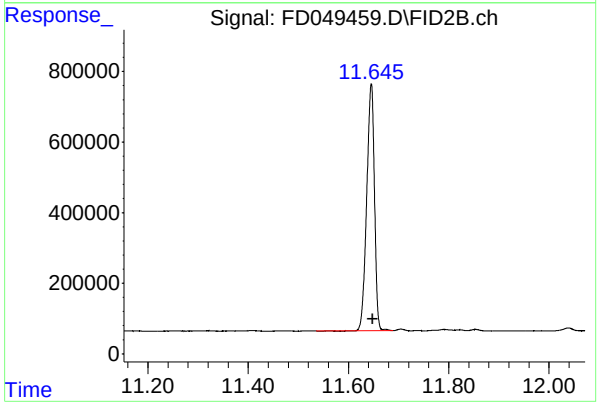
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 6787663
Conc: 40.83 ug/ml

Instrument :
FID_D
ClientSampleId :
B-202-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.003 min
Response: 4648646
Conc: 40.64 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.003 min
Response: 7498843
Conc: 37.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049459.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 13:40
Sample : Q2177-06
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.265	4.252	4.307	PH	41913	360561	4.79%	1.122%
2	4.325	4.317	4.332	VV	302	1703	0.02%	0.005%
3	4.353	4.332	4.409	VV	17166	149372	1.98%	0.465%
4	4.426	4.409	4.448	VV	417	5353	0.07%	0.017%
5	4.482	4.459	4.506	PV	2610	26146	0.35%	0.081%
6	4.526	4.506	4.546	VV	796	10362	0.14%	0.032%
7	4.567	4.546	4.585	VV	784	11758	0.16%	0.037%
8	4.596	4.585	4.611	VV	915	7706	0.10%	0.024%
9	4.627	4.611	4.638	VV	2665	24574	0.33%	0.076%
10	4.650	4.638	4.675	VV	3889	38572	0.51%	0.120%
11	4.684	4.675	4.688	VV	416	2188	0.03%	0.007%
12	4.706	4.688	4.719	VV	2875	27712	0.37%	0.086%
13	4.736	4.719	4.764	VV	6122	59868	0.80%	0.186%
14	4.788	4.764	4.805	VV	3478	33253	0.44%	0.103%
15	4.817	4.805	4.838	VV	1627	17539	0.23%	0.055%
16	4.855	4.838	4.878	VV	633	8075	0.11%	0.025%
17	4.899	4.892	4.906	VV	300	1577	0.02%	0.005%
18	4.925	4.906	4.947	VV	579	7477	0.10%	0.023%
19	4.950	4.947	4.966	VV	232	1777	0.02%	0.006%
20	4.993	4.966	5.001	VV	432	6282	0.08%	0.020%
21	5.005	5.001	5.017	VV	426	2880	0.04%	0.009%
22	5.020	5.017	5.025	VV	242	1034	0.01%	0.003%
23	5.042	5.025	5.056	VV	747	7884	0.10%	0.025%
24	5.091	5.056	5.100	VV	2231	24935	0.33%	0.078%
25	5.117	5.100	5.149	VV	9386	102126	1.36%	0.318%
26	5.174	5.149	5.197	VV	1895	23588	0.31%	0.073%
27	5.221	5.197	5.251	VV	821	13148	0.17%	0.041%
28	5.258	5.251	5.267	VV	245	1572	0.02%	0.005%
29	5.292	5.267	5.297	VV	496	6251	0.08%	0.019%
30	5.307	5.297	5.322	VV	702	7779	0.10%	0.024%
31	5.338	5.322	5.386	VV	3107	34895	0.46%	0.109%
32	5.394	5.386	5.425	VV	274	2686	0.04%	0.008%
33	5.439	5.433	5.455	VV	230	1176	0.02%	0.004%
34	5.480	5.455	5.501	VV	600	7870	0.10%	0.024%
35	5.518	5.501	5.535	PV	1520	13253	0.18%	0.041%
36	5.559	5.535	5.583	VV	3340	41436	0.55%	0.129%

rteres

37	5.594	5.583	5.600	VV	490	4511	0.06%	0.014%
38	5.618	5.600	5.635	VV	933	11918	0.16%	0.037%
39	5.643	5.635	5.663	VV	492	5544	0.07%	0.017%
40	5.677	5.663	5.759	VV	607	20982	0.28%	0.065%
41	5.763	5.759	5.787	VV	301	2801	0.04%	0.009%
42	5.810	5.787	5.837	PV	693	10084	0.13%	0.031%
43	5.860	5.837	5.870	VV	388	4883	0.06%	0.015%
44	5.873	5.870	5.897	VV	451	4697	0.06%	0.015%
45	5.902	5.897	5.922	VV	368	3198	0.04%	0.010%
46	5.943	5.922	5.950	VV	492	4859	0.06%	0.015%
47	5.953	5.950	5.972	VV	405	3929	0.05%	0.012%
48	5.980	5.972	5.989	VV	331	2662	0.04%	0.008%
49	6.008	5.989	6.014	VV	497	4832	0.06%	0.015%
50	6.020	6.014	6.032	VV	331	3040	0.04%	0.009%
51	6.069	6.032	6.092	VV	3112	39261	0.52%	0.122%
52	6.113	6.092	6.138	VV	1034	17060	0.23%	0.053%
53	6.156	6.138	6.189	VV	2435	30360	0.40%	0.094%
54	6.221	6.189	6.258	VV	1349	23826	0.32%	0.074%
55	6.275	6.258	6.282	VV	705	6976	0.09%	0.022%
56	6.287	6.282	6.317	VV	886	9671	0.13%	0.030%
57	6.321	6.317	6.326	VV	248	1128	0.01%	0.004%
58	6.345	6.326	6.373	VV	762	12015	0.16%	0.037%
59	6.379	6.373	6.389	VV	320	1549	0.02%	0.005%
60	6.448	6.432	6.469	VV	427	5945	0.08%	0.019%
61	6.496	6.473	6.521	VV	3213	36202	0.48%	0.113%
62	6.539	6.521	6.544	VV	371	3298	0.04%	0.010%
63	6.578	6.544	6.599	VV	1189	21388	0.28%	0.067%
64	6.617	6.599	6.630	VV	1444	15484	0.21%	0.048%
65	6.645	6.630	6.664	VV	2862	29883	0.40%	0.093%
66	6.680	6.664	6.700	VV	655	8070	0.11%	0.025%
67	6.717	6.700	6.745	VV	1559	16230	0.22%	0.051%
68	6.769	6.745	6.790	VV	458	7660	0.10%	0.024%
69	6.796	6.790	6.803	VV	304	1880	0.02%	0.006%
70	6.826	6.803	6.849	VV	522	7842	0.10%	0.024%
71	6.854	6.849	6.859	VV	439	1837	0.02%	0.006%
72	6.863	6.859	6.885	VV	502	4310	0.06%	0.013%
73	6.890	6.885	6.909	VV	312	2201	0.03%	0.007%
74	6.937	6.922	6.957	PV	1042	11317	0.15%	0.035%
75	6.991	6.957	7.018	VV	1765	33036	0.44%	0.103%
76	7.039	7.018	7.087	VV	1803	43303	0.58%	0.135%
77	7.118	7.087	7.144	VV	2682	41483	0.55%	0.129%
78	7.148	7.144	7.157	VV	615	3954	0.05%	0.012%
79	7.173	7.157	7.215	VV	924	16518	0.22%	0.051%
80	7.223	7.215	7.243	VV	394	4230	0.06%	0.013%
81	7.279	7.243	7.312	VV	3248	45846	0.61%	0.143%
82	7.337	7.312	7.372	VV	904	18441	0.24%	0.057%
83	7.385	7.372	7.398	VV	865	9458	0.13%	0.029%
84	7.417	7.398	7.438	VV	1603	20433	0.27%	0.064%
85	7.454	7.438	7.469	VV	521	7022	0.09%	0.022%
86	7.485	7.469	7.492	VV	608	7006	0.09%	0.022%
87	7.509	7.492	7.533	VV	1108	15750	0.21%	0.049%
88	7.563	7.533	7.612	VV	679	18138	0.24%	0.056%
89	7.651	7.612	7.664	VV	745	14973	0.20%	0.047%

rteres

90	7.679	7.664	7.699	VV	1433	17586	0.23%	0.055%
91	7.733	7.699	7.789	VV	718523	6806211	90.41%	21.184%
92	7.825	7.789	7.864	VV	1126	31584	0.42%	0.098%
93	7.871	7.864	7.892	VV	595	7253	0.10%	0.023%
94	7.900	7.892	7.917	VV	462	5473	0.07%	0.017%
95	7.939	7.917	7.959	VV	555	6713	0.09%	0.021%
96	7.983	7.959	8.005	PV	1715	20216	0.27%	0.063%
97	8.010	8.005	8.017	VV	450	2976	0.04%	0.009%
98	8.040	8.017	8.052	VV	852	11380	0.15%	0.035%
99	8.068	8.052	8.091	VV	1097	16122	0.21%	0.050%
100	8.096	8.091	8.102	VV	444	2789	0.04%	0.009%
101	8.116	8.102	8.127	VV	542	6065	0.08%	0.019%
102	8.131	8.127	8.139	VV	325	1806	0.02%	0.006%
103	8.184	8.139	8.204	VV	950	21568	0.29%	0.067%
104	8.214	8.204	8.233	VV	1029	13376	0.18%	0.042%
105	8.245	8.233	8.270	VV	822	13139	0.17%	0.041%
106	8.286	8.270	8.332	VV	2514	35603	0.47%	0.111%
107	8.347	8.332	8.361	VV	1378	14830	0.20%	0.046%
108	8.381	8.361	8.386	VV	1214	13353	0.18%	0.042%
109	8.400	8.386	8.419	VV	1551	21981	0.29%	0.068%
110	8.430	8.419	8.460	VV	932	16593	0.22%	0.052%
111	8.484	8.460	8.506	VV	1313	20123	0.27%	0.063%
112	8.519	8.506	8.556	VV	943	15782	0.21%	0.049%
113	8.599	8.556	8.628	VV	474654	4684934	62.23%	14.582%
114	8.650	8.628	8.677	VV	2222	41470	0.55%	0.129%
115	8.694	8.677	8.722	VV	3243	40272	0.53%	0.125%
116	8.747	8.722	8.763	VV	1159	24559	0.33%	0.076%
117	8.773	8.763	8.808	VV	1244	27260	0.36%	0.085%
118	8.823	8.808	8.840	VV	1253	19642	0.26%	0.061%
119	8.846	8.840	8.867	VV	1073	11764	0.16%	0.037%
120	8.884	8.867	8.897	VV	662	9787	0.13%	0.030%
121	8.911	8.897	8.920	VV	885	9368	0.12%	0.029%
122	8.938	8.920	8.952	VV	1251	17831	0.24%	0.055%
123	8.968	8.952	8.979	VV	2035	22198	0.29%	0.069%
124	9.006	8.979	9.031	VV	48450	493195	6.55%	1.535%
125	9.044	9.031	9.050	VV	1281	13437	0.18%	0.042%
126	9.053	9.050	9.073	VV	1330	14754	0.20%	0.046%
127	9.089	9.073	9.112	VV	2569	40671	0.54%	0.127%
128	9.127	9.112	9.145	VV	1996	31280	0.42%	0.097%
129	9.159	9.145	9.179	VV	2235	28682	0.38%	0.089%
130	9.194	9.179	9.231	VV	770	15028	0.20%	0.047%
131	9.255	9.231	9.277	VV	722	13075	0.17%	0.041%
132	9.291	9.277	9.317	VV	1308	17953	0.24%	0.056%
133	9.334	9.317	9.366	VV	1129	21218	0.28%	0.066%
134	9.371	9.366	9.374	VV	492	1969	0.03%	0.006%
135	9.393	9.374	9.414	VV	1039	19004	0.25%	0.059%
136	9.421	9.414	9.442	VV	583	7682	0.10%	0.024%
137	9.475	9.442	9.512	VV	3370	52723	0.70%	0.164%
138	9.517	9.512	9.523	VV	543	2987	0.04%	0.009%
139	9.530	9.523	9.535	VV	466	2684	0.04%	0.008%
140	9.559	9.535	9.582	VV	945	19382	0.26%	0.060%
141	9.622	9.582	9.654	VV	1386	38431	0.51%	0.120%

rteres

142	9.660	9.654	9.666	VV	906	4666	0.06%	0.015%
143	9.685	9.666	9.697	VV	924	12906	0.17%	0.040%
144	9.721	9.697	9.732	VV	3151	36574	0.49%	0.114%
145	9.751	9.732	9.783	VV	41494	429365	5.70%	1.336%
146	9.796	9.783	9.843	VV	1255	24609	0.33%	0.077%
147	9.848	9.843	9.853	VV	422	1998	0.03%	0.006%
148	9.881	9.853	9.937	VV	1834	40326	0.54%	0.126%
149	9.959	9.937	9.974	VV	621	9415	0.13%	0.029%
150	9.985	9.974	10.020	VV	587	11138	0.15%	0.035%
151	10.026	10.020	10.038	VV	318	2690	0.04%	0.008%
152	10.076	10.038	10.105	VV	1011	20570	0.27%	0.064%
153	10.111	10.105	10.123	VV	500	2299	0.03%	0.007%
154	10.143	10.123	10.152	PV	360	2788	0.04%	0.009%
155	10.156	10.152	10.175	VV	355	3793	0.05%	0.012%
156	10.187	10.175	10.192	VV	418	3074	0.04%	0.010%
157	10.223	10.192	10.253	VV	2095	31476	0.42%	0.098%
158	10.272	10.253	10.293	VV	809	13013	0.17%	0.041%
159	10.325	10.293	10.333	VV	916	17072	0.23%	0.053%
160	10.353	10.333	10.376	VV	1540	25963	0.34%	0.081%
161	10.395	10.376	10.427	VV	1306	23388	0.31%	0.073%
162	10.436	10.427	10.452	VV	494	6236	0.08%	0.019%
163	10.470	10.452	10.494	VV	1276	22344	0.30%	0.070%
164	10.496	10.494	10.510	VV	790	7141	0.09%	0.022%
165	10.525	10.510	10.541	VV	1102	16124	0.21%	0.050%
166	10.570	10.541	10.585	VV	816	16317	0.22%	0.051%
167	10.609	10.585	10.628	VV	1153	21722	0.29%	0.068%
168	10.639	10.628	10.657	VV	1104	12856	0.17%	0.040%
169	10.675	10.657	10.692	VV	1439	20834	0.28%	0.065%
170	10.702	10.692	10.728	VV	977	16866	0.22%	0.052%
171	10.751	10.728	10.789	VV	1137	26059	0.35%	0.081%
172	10.812	10.789	10.825	VV	1134	16838	0.22%	0.052%
173	10.841	10.825	10.850	VV	917	10896	0.14%	0.034%
174	10.873	10.850	10.924	VV	20507	236280	3.14%	0.735%
175	10.947	10.924	10.981	VV	5303	68510	0.91%	0.213%
176	10.998	10.981	11.004	VV	497	5408	0.07%	0.017%
177	11.031	11.004	11.035	VV	567	7783	0.10%	0.024%
178	11.050	11.035	11.109	VV	758	19560	0.26%	0.061%
179	11.117	11.109	11.129	VV	362	2622	0.03%	0.008%
180	11.157	11.138	11.172	VV	1081	11813	0.16%	0.037%
181	11.179	11.172	11.207	VV	689	7115	0.09%	0.022%
182	11.252	11.207	11.276	VV	729	15836	0.21%	0.049%
183	11.280	11.276	11.287	VV	453	2518	0.03%	0.008%
184	11.294	11.287	11.300	VV	612	3924	0.05%	0.012%
185	11.319	11.300	11.342	VV	1170	17374	0.23%	0.054%
186	11.364	11.342	11.374	VV	590	7746	0.10%	0.024%
187	11.409	11.374	11.445	VV	1590	31670	0.42%	0.099%
188	11.472	11.445	11.496	PV	932	15266	0.20%	0.048%
189	11.525	11.496	11.546	VV	685	10754	0.14%	0.033%
190	11.562	11.546	11.579	VV	598	5971	0.08%	0.019%
191	11.646	11.579	11.669	VV	701074	7528157	100.00%	23.431%
192	11.674	11.669	11.689	VV	4958	41624	0.55%	0.130%
193	11.705	11.689	11.725	VV	5709	66487	0.88%	0.207%
194	11.736	11.725	11.753	VV	1479	19695	0.26%	0.061%

rteres

195	11.791	11.753	11.811	VV	4713	96937	1.29%	0.302%
196	11.822	11.811	11.836	VV	3679	42254	0.56%	0.132%
197	11.853	11.836	11.893	VV	4727	60517	0.80%	0.188%
198	11.898	11.893	11.910	VV	289	2422	0.03%	0.008%
199	11.925	11.910	11.935	VV	449	4812	0.06%	0.015%
200	11.938	11.935	11.949	VV	259	1934	0.03%	0.006%
201	11.985	11.949	12.001	VV	875	18854	0.25%	0.059%
202	12.039	12.001	12.064	VV	8953	127078	1.69%	0.396%
203	12.082	12.064	12.114	VV	1650	30938	0.41%	0.096%
204	12.143	12.114	12.185	VV	3511	55150	0.73%	0.172%
205	12.235	12.185	12.283	VV	118308	1408412	18.71%	4.384%
206	12.292	12.283	12.312	VV	2113	27685	0.37%	0.086%
207	12.317	12.312	12.365	VV	1034	25680	0.34%	0.080%
208	12.373	12.365	12.380	VV	864	7502	0.10%	0.023%
209	12.396	12.380	12.410	VV	1622	22217	0.30%	0.069%
210	12.416	12.410	12.430	VV	1220	11128	0.15%	0.035%
211	12.435	12.430	12.442	VV	737	4835	0.06%	0.015%
212	12.462	12.442	12.470	VV	1780	20864	0.28%	0.065%
213	12.489	12.470	12.507	VV	2769	43889	0.58%	0.137%
214	12.518	12.507	12.534	VV	1499	16726	0.22%	0.052%
215	12.540	12.534	12.545	VV	800	4853	0.06%	0.015%
216	12.570	12.545	12.589	VV	4205	56631	0.75%	0.176%
217	12.629	12.589	12.650	VV	2501	58781	0.78%	0.183%
218	12.685	12.650	12.740	VV	27357	329049	4.37%	1.024%
219	12.757	12.740	12.772	VV	542	7636	0.10%	0.024%
220	12.782	12.772	12.790	VV	540	4405	0.06%	0.014%
221	12.797	12.790	12.800	VV	431	2173	0.03%	0.007%
222	12.814	12.800	12.826	VV	623	8099	0.11%	0.025%
223	12.845	12.826	12.859	VV	1249	15940	0.21%	0.050%
224	12.878	12.859	12.920	VV	1707	38196	0.51%	0.119%
225	12.924	12.920	12.941	VV	808	7570	0.10%	0.024%
226	12.947	12.941	12.957	VV	584	4237	0.06%	0.013%
227	12.983	12.957	13.012	VV	29398	323074	4.29%	1.006%
228	13.040	13.012	13.045	VV	3713	41807	0.56%	0.130%
229	13.071	13.045	13.103	VV	133009	1557568	20.69%	4.848%
230	13.122	13.103	13.134	VV	728	10178	0.14%	0.032%
231	13.159	13.134	13.177	VV	1241	19961	0.27%	0.062%
232	13.192	13.177	13.213	VV	652	8841	0.12%	0.028%
233	13.229	13.213	13.233	VV	555	4962	0.07%	0.015%
234	13.249	13.233	13.265	VV	1378	18545	0.25%	0.058%
235	13.290	13.265	13.348	VV	5071	91789	1.22%	0.286%
236	13.357	13.348	13.361	VV	722	4754	0.06%	0.015%
237	13.379	13.361	13.397	VV	1318	20342	0.27%	0.063%
238	13.403	13.397	13.419	VV	1000	11489	0.15%	0.036%
239	13.461	13.419	13.530	VV	57831	765433	10.17%	2.382%
240	13.570	13.530	13.608	VV	5791	113549	1.51%	0.353%
241	13.622	13.608	13.626	VV	919	8282	0.11%	0.026%
242	13.641	13.626	13.658	VV	1063	15367	0.20%	0.048%
243	13.680	13.658	13.701	VV	2960	46729	0.62%	0.145%
244	13.717	13.701	13.741	VV	3450	43303	0.58%	0.135%
245	13.767	13.741	13.794	VV	1742	31712	0.42%	0.099%
246	13.824	13.794	13.831	VV	1823	25400	0.34%	0.079%

rteres

247	13.847	13.831	13.867	VV	3096	41977	0.56%	0.131%
248	13.888	13.867	13.914	VV	2793	37164	0.49%	0.116%
249	13.947	13.914	13.990	VV	1696	37561	0.50%	0.117%
250	13.995	13.990	14.009	VV	333	2021	0.03%	0.006%
251	14.017	14.009	14.038	VV	394	4607	0.06%	0.014%
252	14.047	14.038	14.070	VV	440	5663	0.08%	0.018%
253	14.073	14.070	14.101	VV	304	3676	0.05%	0.011%
254	14.108	14.101	14.132	VV	207	2311	0.03%	0.007%
255	14.153	14.132	14.158	PV	316	3070	0.04%	0.010%
256	14.162	14.158	14.167	VV	426	1336	0.02%	0.004%
257	14.211	14.167	14.226	VV	553	10856	0.14%	0.034%
258	14.257	14.226	14.287	VV	1906	41128	0.55%	0.128%
259	14.302	14.287	14.342	VV	2026	35792	0.48%	0.111%
260	14.385	14.342	14.400	VV	958	22828	0.30%	0.071%
261	14.404	14.400	14.433	VV	903	14410	0.19%	0.045%
262	14.481	14.433	14.499	VV	1698	40429	0.54%	0.126%
263	14.508	14.499	14.524	VV	957	12608	0.17%	0.039%
264	14.545	14.524	14.574	VV	4636	61223	0.81%	0.191%
265	14.604	14.574	14.626	VV	1750	31197	0.41%	0.097%
266	14.632	14.626	14.649	VV	419	4881	0.06%	0.015%
267	14.673	14.649	14.690	VV	1017	17296	0.23%	0.054%
268	14.712	14.690	14.724	VV	875	14267	0.19%	0.044%
269	14.730	14.724	14.746	VV	934	9635	0.13%	0.030%
270	14.754	14.746	14.795	VV	623	12210	0.16%	0.038%
271	14.810	14.795	14.817	VV	381	4228	0.06%	0.013%
272	14.821	14.817	14.827	VV	491	2611	0.03%	0.008%
273	14.853	14.827	14.873	VV	11509	137996	1.83%	0.430%
274	14.895	14.873	14.947	VV	11450	157008	2.09%	0.489%
275	14.957	14.947	14.974	VV	719	7130	0.09%	0.022%
276	15.017	14.974	15.038	VV	2489	40335	0.54%	0.126%
277	15.047	15.038	15.062	VV	551	6557	0.09%	0.020%
278	15.067	15.062	15.073	VV	396	1999	0.03%	0.006%
279	15.094	15.073	15.120	VV	1013	17209	0.23%	0.054%
280	15.128	15.120	15.137	VV	445	3435	0.05%	0.011%
281	15.163	15.137	15.190	VV	846	19628	0.26%	0.061%
282	15.217	15.190	15.249	VV	735	14589	0.19%	0.045%
283	15.300	15.249	15.380	PV	5565	120187	1.60%	0.374%
284	15.384	15.380	15.395	VV	520	3268	0.04%	0.010%
285	15.415	15.395	15.420	VV	522	4881	0.06%	0.015%
286	15.459	15.420	15.501	VV	1707	45249	0.60%	0.141%
287	15.526	15.501	15.545	VV	3344	42229	0.56%	0.131%
288	15.562	15.545	15.590	VV	1542	22517	0.30%	0.070%
289	15.604	15.590	15.619	VV	925	11204	0.15%	0.035%
290	15.667	15.619	15.674	VV	1522	30232	0.40%	0.094%
291	15.686	15.674	15.722	VV	1818	33378	0.44%	0.104%
292	15.726	15.722	15.733	VV	457	2021	0.03%	0.006%
293	15.742	15.733	15.748	VV	504	3785	0.05%	0.012%
294	15.764	15.748	15.795	VV	946	17131	0.23%	0.053%
295	15.806	15.795	15.830	VV	595	8529	0.11%	0.027%
296	15.848	15.830	15.863	VV	819	8498	0.11%	0.026%
297	15.874	15.863	15.891	VV	750	8072	0.11%	0.025%
298	15.897	15.891	15.902	VV	519	2958	0.04%	0.009%
299	15.905	15.902	15.917	VV	489	3468	0.05%	0.011%

rteres

300	15.941	15.917	15.968	VV	1183	17831	0.24%	0.055%
301	15.971	15.968	15.978	VV	217	1082	0.01%	0.003%
302	15.992	15.978	16.005	VV	287	3080	0.04%	0.010%
303	16.009	16.005	16.014	VV	203	1188	0.02%	0.004%
304	16.021	16.014	16.047	VV	252	2085	0.03%	0.006%
305	16.084	16.059	16.098	VV	239	4125	0.05%	0.013%
306	16.128	16.098	16.154	VV	918	16168	0.21%	0.050%
307	16.160	16.154	16.169	VV	387	2146	0.03%	0.007%
308	16.229	16.179	16.251	VV	696	13656	0.18%	0.043%
309	16.269	16.251	16.274	VV	275	2281	0.03%	0.007%
310	16.278	16.274	16.292	VV	242	2910	0.04%	0.009%
311	16.329	16.292	16.360	VV	1323	24906	0.33%	0.078%
312	16.405	16.360	16.424	VV	8715	125305	1.66%	0.390%
313	16.432	16.424	16.463	VV	3901	46324	0.62%	0.144%
314	16.470	16.463	16.490	VV	313	4129	0.05%	0.013%
315	16.504	16.490	16.515	VV	777	7822	0.10%	0.024%
316	16.537	16.515	16.609	VV	1885	48131	0.64%	0.150%
317	16.616	16.609	16.641	VV	326	4076	0.05%	0.013%
318	16.655	16.641	16.674	VV	492	4537	0.06%	0.014%
319	16.725	16.674	16.754	VV	6132	88304	1.17%	0.275%
320	16.782	16.754	16.826	VV	8735	114556	1.52%	0.357%
321	16.885	16.826	16.908	VV	2933	48773	0.65%	0.152%
322	16.937	16.908	16.984	VV	4384	68250	0.91%	0.212%
323	17.023	16.984	17.070	VV	725	18666	0.25%	0.058%
324	17.091	17.070	17.107	VV	282	4474	0.06%	0.014%
325	17.151	17.107	17.217	PV	1348	42008	0.56%	0.131%
326	17.283	17.217	17.300	VV	1064	31628	0.42%	0.098%
327	17.309	17.300	17.319	VV	1131	10305	0.14%	0.032%
328	17.334	17.319	17.352	VV	1249	19212	0.26%	0.060%
329	17.364	17.352	17.405	VV	665	16447	0.22%	0.051%
330	17.438	17.405	17.469	VV	1046	21931	0.29%	0.068%
331	17.474	17.469	17.498	VV	356	5793	0.08%	0.018%
332	17.513	17.498	17.537	VV	606	9815	0.13%	0.031%
333	17.549	17.537	17.557	VV	407	4431	0.06%	0.014%
334	17.565	17.557	17.595	VV	523	6086	0.08%	0.019%
335	17.634	17.595	17.669	VV	389	8786	0.12%	0.027%
336	17.742	17.669	17.749	VV	669	13272	0.18%	0.041%
337	17.772	17.749	17.812	VV	2073	33114	0.44%	0.103%
338	17.830	17.812	17.841	PV	432	5924	0.08%	0.018%
339	17.862	17.841	17.891	VV	899	16909	0.22%	0.053%
340	17.915	17.891	17.969	VV	803	25702	0.34%	0.080%
341	17.988	17.969	18.023	VV	639	13393	0.18%	0.042%
342	18.056	18.023	18.099	VV	1711	32250	0.43%	0.100%
343	18.142	18.099	18.170	VV	6289	115060	1.53%	0.358%
344	18.189	18.170	18.219	VV	3611	57029	0.76%	0.178%
345	18.231	18.219	18.260	VV	742	12098	0.16%	0.038%
346	18.280	18.260	18.294	VV	1432	21658	0.29%	0.067%
347	18.307	18.294	18.362	VV	1730	35139	0.47%	0.109%
348	18.397	18.362	18.430	VV	5237	71866	0.95%	0.224%
349	18.443	18.430	18.467	VV	367	4753	0.06%	0.015%
350	18.488	18.467	18.498	VV	456	7390	0.10%	0.023%
351	18.528	18.498	18.555	VV	1734	26904	0.36%	0.084%

rteres

352	18.601	18.555	18.672	VV	2112	47648	0.63%	0.148%
353	18.702	18.672	18.744	PV	738	14380	0.19%	0.045%
354	18.757	18.744	18.789	VV	359	7080	0.09%	0.022%
355	18.831	18.789	18.867	PV	469	11510	0.15%	0.036%
356	18.880	18.867	18.895	VV	334	2989	0.04%	0.009%
357	18.907	18.895	18.925	VV	361	4336	0.06%	0.013%
358	18.960	18.925	18.979	PV	1372	17547	0.23%	0.055%
			Sum of corrected areas:			32128690		

Aromatic EPH 052425.M Fri Jun 13 05:27:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069137.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.113	3449755	38.453 ug/ml
Spiked Amount 50.000		Recovery = 76.91%	
Target Compounds			

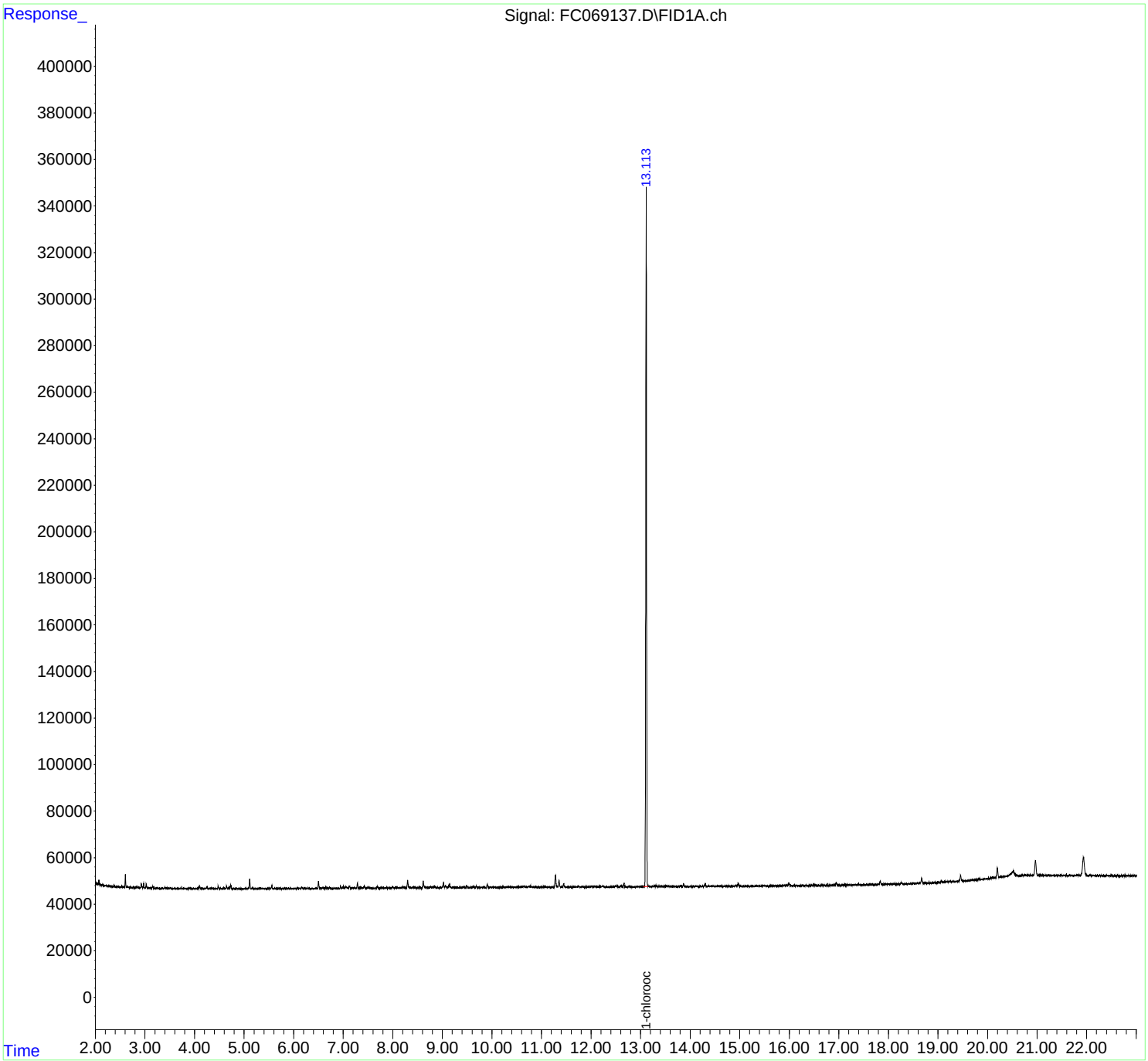
(f)=RT Delta > 1/2 Window (m)=manual int.

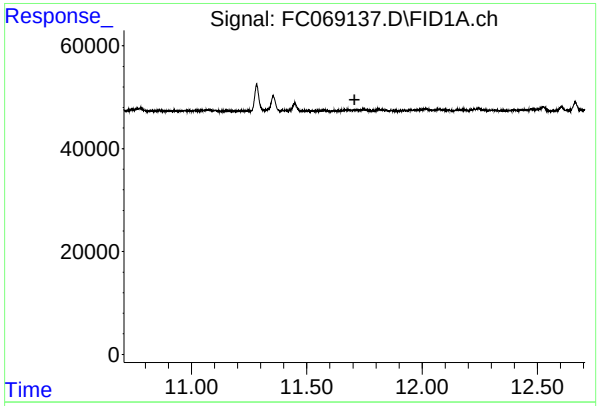
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069137.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

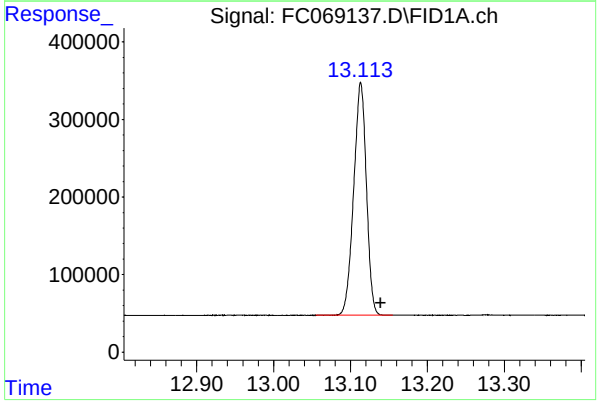




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EB05312025



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 3449755
Conc: 38.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069137.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:17
Sample : Q2177-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.263	3.204	3.292	BV	83	1106	0.03%	0.014%
2	3.301	3.292	3.316	PV	78	600	0.02%	0.008%
3	3.351	3.316	3.374	PV	75	1878	0.05%	0.024%
4	3.403	3.374	3.565	VV	594	13578	0.39%	0.170%
5	3.601	3.565	3.621	VV	142	2351	0.07%	0.030%
6	3.627	3.621	3.658	VV	69	1150	0.03%	0.014%
7	3.682	3.658	3.700	VV	200	2750	0.08%	0.035%
8	3.729	3.700	3.758	VV	364	4802	0.14%	0.060%
9	3.775	3.758	3.809	VV	231	5032	0.15%	0.063%
10	3.820	3.809	3.878	VV	163	3712	0.11%	0.047%
11	3.899	3.878	3.935	VV	255	4443	0.13%	0.056%
12	3.954	3.935	3.962	PV	173	1644	0.05%	0.021%
13	3.986	3.962	4.021	VV	227	4538	0.13%	0.057%
14	4.075	4.021	4.087	VV	515	8043	0.23%	0.101%
15	4.103	4.087	4.150	VV	1185	13252	0.38%	0.166%
16	4.171	4.150	4.209	VV	165	4014	0.12%	0.050%
17	4.251	4.209	4.288	VV	825	14652	0.42%	0.184%
18	4.295	4.288	4.308	VV	151	1330	0.04%	0.017%
19	4.318	4.308	4.331	VV	130	1447	0.04%	0.018%
20	4.338	4.331	4.361	VV	140	2181	0.06%	0.027%
21	4.368	4.361	4.391	VV	154	2095	0.06%	0.026%
22	4.408	4.391	4.420	VV	232	2784	0.08%	0.035%
23	4.430	4.420	4.461	VV	162	2834	0.08%	0.036%
24	4.476	4.461	4.508	VV	1121	12495	0.36%	0.157%
25	4.520	4.508	4.539	VV	193	2620	0.08%	0.033%
26	4.590	4.539	4.611	VV	450	8314	0.24%	0.104%
27	4.645	4.611	4.680	VV	1281	18326	0.53%	0.230%
28	4.702	4.680	4.718	VV	898	10409	0.30%	0.131%
29	4.731	4.718	4.818	VV	1752	19523	0.56%	0.245%
30	4.853	4.818	4.875	VV	187	4116	0.12%	0.052%
31	4.898	4.875	4.908	VV	113	1458	0.04%	0.018%
32	4.931	4.908	4.997	VV	131	2779	0.08%	0.035%
33	5.012	4.997	5.020	PV	75	640	0.02%	0.008%
34	5.035	5.020	5.056	VV	237	2695	0.08%	0.034%
35	5.112	5.056	5.148	VV	4273	51220	1.48%	0.643%
36	5.170	5.148	5.191	VV	835	8792	0.25%	0.110%

rteres

37	5.202	5.191	5.208	VV	126	1116	0.03%	0.014%
38	5.220	5.208	5.258	VV	181	2758	0.08%	0.035%
39	5.307	5.258	5.325	VV	235	4262	0.12%	0.053%
40	5.343	5.325	5.370	VV	161	2803	0.08%	0.035%
41	5.478	5.370	5.500	VV	209	7509	0.22%	0.094%
42	5.517	5.500	5.541	VV	593	7589	0.22%	0.095%
43	5.559	5.541	5.584	VV	1336	14077	0.41%	0.177%
44	5.616	5.584	5.664	VV	351	6392	0.18%	0.080%
45	5.680	5.664	5.691	VV	200	2515	0.07%	0.032%
46	5.707	5.691	5.762	VV	230	5068	0.15%	0.064%
47	5.768	5.762	5.778	VV	128	846	0.02%	0.011%
48	5.810	5.778	5.832	VV	267	4691	0.14%	0.059%
49	5.859	5.832	5.878	VV	140	1872	0.05%	0.023%
50	5.897	5.878	5.916	PV	118	1936	0.06%	0.024%
51	5.939	5.916	5.953	VV	102	1826	0.05%	0.023%
52	5.972	5.953	6.000	VV	121	2764	0.08%	0.035%
53	6.014	6.000	6.052	VV	189	3270	0.09%	0.041%
54	6.071	6.052	6.095	VV	343	5486	0.16%	0.069%
55	6.117	6.095	6.141	VV	302	4917	0.14%	0.062%
56	6.160	6.141	6.198	VV	709	9425	0.27%	0.118%
57	6.219	6.198	6.242	VV	296	4394	0.13%	0.055%
58	6.292	6.242	6.331	VV	288	7640	0.22%	0.096%
59	6.338	6.331	6.361	VV	119	1260	0.04%	0.016%
60	6.384	6.361	6.431	PV	147	2483	0.07%	0.031%
61	6.448	6.431	6.476	VV	126	1933	0.06%	0.024%
62	6.501	6.476	6.538	VV	3218	35938	1.04%	0.451%
63	6.545	6.538	6.567	VV	233	2873	0.08%	0.036%
64	6.586	6.567	6.605	VV	605	6774	0.20%	0.085%
65	6.623	6.605	6.634	VV	367	4008	0.12%	0.050%
66	6.651	6.634	6.670	VV	1021	10586	0.31%	0.133%
67	6.686	6.670	6.708	VV	330	4215	0.12%	0.053%
68	6.725	6.708	6.751	VV	546	5903	0.17%	0.074%
69	6.787	6.751	6.854	VV	125	3477	0.10%	0.044%
70	6.870	6.854	6.884	VV	153	1855	0.05%	0.023%
71	6.894	6.884	6.923	VV	116	1581	0.05%	0.020%
72	6.945	6.923	6.973	VV	699	8552	0.25%	0.107%
73	6.999	6.973	7.030	VV	710	13626	0.39%	0.171%
74	7.049	7.030	7.091	VV	696	15471	0.45%	0.194%
75	7.126	7.091	7.158	VV	1084	18137	0.52%	0.228%
76	7.160	7.158	7.198	VV	249	3247	0.09%	0.041%
77	7.234	7.198	7.259	VV	269	5194	0.15%	0.065%
78	7.288	7.259	7.330	VV	2314	27812	0.80%	0.349%
79	7.365	7.330	7.379	VV	328	6838	0.20%	0.086%
80	7.394	7.379	7.408	VV	400	5064	0.15%	0.064%
81	7.427	7.408	7.478	VV	1077	15958	0.46%	0.200%
82	7.520	7.478	7.564	VV	517	12007	0.35%	0.151%
83	7.572	7.564	7.618	VV	89	2867	0.08%	0.036%
84	7.637	7.618	7.663	VV	91	1848	0.05%	0.023%
85	7.691	7.663	7.730	VV	820	10914	0.32%	0.137%
86	7.775	7.730	7.821	VV	231	7742	0.22%	0.097%
87	7.835	7.821	7.928	VV	249	9245	0.27%	0.116%
88	7.951	7.928	7.973	VV	212	3305	0.10%	0.041%
89	7.996	7.973	8.031	PV	687	9553	0.28%	0.120%

rteres

90	8.053	8.031	8.078	VV	625	8384	0.24%	0.105%
91	8.090	8.078	8.111	VV	327	4102	0.12%	0.051%
92	8.122	8.111	8.138	VV	216	2941	0.08%	0.037%
93	8.149	8.138	8.163	VV	254	2769	0.08%	0.035%
94	8.209	8.163	8.271	VV	777	20952	0.60%	0.263%
95	8.301	8.271	8.371	VV	3503	49722	1.44%	0.624%
96	8.398	8.371	8.434	VV	490	11741	0.34%	0.147%
97	8.453	8.434	8.471	VV	389	6106	0.18%	0.077%
98	8.497	8.471	8.517	VV	339	5978	0.17%	0.075%
99	8.536	8.517	8.581	VV	488	7133	0.21%	0.090%
100	8.615	8.581	8.708	VV	3063	50857	1.47%	0.638%
101	8.723	8.708	8.738	VV	270	4473	0.13%	0.056%
102	8.764	8.738	8.778	VV	491	8356	0.24%	0.105%
103	8.792	8.778	8.805	VV	441	6051	0.17%	0.076%
104	8.813	8.805	8.824	VV	345	3770	0.11%	0.047%
105	8.844	8.824	8.888	VV	655	15933	0.46%	0.200%
106	8.907	8.888	8.938	VV	339	5238	0.15%	0.066%
107	8.957	8.938	8.978	VV	387	5933	0.17%	0.074%
108	9.024	8.978	9.046	VV	2409	36274	1.05%	0.455%
109	9.063	9.046	9.100	VV	821	17652	0.51%	0.222%
110	9.144	9.100	9.196	VV	1602	35398	1.02%	0.444%
111	9.215	9.196	9.238	VV	423	6562	0.19%	0.082%
112	9.264	9.238	9.286	VV	353	6466	0.19%	0.081%
113	9.308	9.286	9.331	VV	243	4595	0.13%	0.058%
114	9.346	9.331	9.354	VV	237	2624	0.08%	0.033%
115	9.375	9.354	9.395	VV	267	5329	0.15%	0.067%
116	9.429	9.395	9.469	VV	534	13527	0.39%	0.170%
117	9.495	9.469	9.524	VV	824	13921	0.40%	0.175%
118	9.550	9.524	9.574	VV	288	6485	0.19%	0.081%
119	9.587	9.574	9.614	VV	210	4603	0.13%	0.058%
120	9.633	9.614	9.661	VV	491	9216	0.27%	0.116%
121	9.686	9.661	9.719	VV	740	11632	0.34%	0.146%
122	9.752	9.719	9.761	VV	199	4001	0.12%	0.050%
123	9.772	9.761	9.807	VV	243	4123	0.12%	0.052%
124	9.827	9.807	9.883	VV	466	10032	0.29%	0.126%
125	9.907	9.883	9.951	VV	1522	22028	0.64%	0.276%
126	9.981	9.951	9.995	VV	313	5774	0.17%	0.072%
127	10.007	9.995	10.029	VV	276	3867	0.11%	0.049%
128	10.055	10.029	10.064	VV	221	3607	0.10%	0.045%
129	10.079	10.064	10.108	VV	252	4606	0.13%	0.058%
130	10.116	10.108	10.138	VV	226	3048	0.09%	0.038%
131	10.185	10.138	10.208	VV	267	7264	0.21%	0.091%
132	10.222	10.208	10.257	VV	334	7211	0.21%	0.091%
133	10.266	10.257	10.280	VV	194	2452	0.07%	0.031%
134	10.303	10.280	10.321	VV	460	6911	0.20%	0.087%
135	10.338	10.321	10.362	VV	396	6894	0.20%	0.087%
136	10.382	10.362	10.424	VV	330	9424	0.27%	0.118%
137	10.463	10.424	10.481	VV	237	6086	0.18%	0.076%
138	10.511	10.481	10.524	VV	400	7216	0.21%	0.091%
139	10.548	10.524	10.558	VV	344	5890	0.17%	0.074%
140	10.585	10.558	10.612	VV	436	11300	0.33%	0.142%
141	10.647	10.612	10.684	VV	503	16087	0.46%	0.202%

rteres

142	10.705	10.684	10.718	VV	370	5369	0.15%	0.067%
143	10.778	10.718	10.812	VV	763	25083	0.72%	0.315%
144	10.864	10.812	10.891	VV	296	9957	0.29%	0.125%
145	10.901	10.891	10.918	VV	204	2709	0.08%	0.034%
146	10.980	10.918	11.005	VV	260	9505	0.27%	0.119%
147	11.018	11.005	11.030	VV	274	3344	0.10%	0.042%
148	11.041	11.030	11.048	VV	290	2716	0.08%	0.034%
149	11.077	11.048	11.123	VV	432	11740	0.34%	0.147%
150	11.155	11.123	11.181	VV	245	4956	0.14%	0.062%
151	11.212	11.181	11.249	VV	159	4920	0.14%	0.062%
152	11.283	11.249	11.316	VV	5203	69491	2.01%	0.872%
153	11.355	11.316	11.419	VV	3048	49770	1.44%	0.625%
154	11.448	11.419	11.488	VV	1617	23813	0.69%	0.299%
155	11.504	11.488	11.515	VV	167	2121	0.06%	0.027%
156	11.523	11.515	11.544	VV	125	1846	0.05%	0.023%
157	11.577	11.544	11.603	VV	210	4976	0.14%	0.062%
158	11.684	11.603	11.698	VV	254	10323	0.30%	0.130%
159	11.714	11.698	11.728	VV	282	4406	0.13%	0.055%
160	11.748	11.728	11.784	VV	387	8353	0.24%	0.105%
161	11.812	11.784	11.861	VV	422	10283	0.30%	0.129%
162	11.912	11.861	11.941	VV	178	6680	0.19%	0.084%
163	12.017	11.941	12.054	VV	544	18981	0.55%	0.238%
164	12.075	12.054	12.111	VV	369	8504	0.25%	0.107%
165	12.120	12.111	12.138	VV	204	2385	0.07%	0.030%
166	12.156	12.138	12.174	VV	274	4833	0.14%	0.061%
167	12.181	12.174	12.204	VV	274	3591	0.10%	0.045%
168	12.247	12.204	12.288	VV	485	13911	0.40%	0.175%
169	12.312	12.288	12.380	VV	182	6191	0.18%	0.078%
170	12.396	12.380	12.418	VV	199	3351	0.10%	0.042%
171	12.473	12.418	12.491	VV	367	10663	0.31%	0.134%
172	12.526	12.491	12.556	VV	831	15501	0.45%	0.195%
173	12.604	12.556	12.641	PV	796	12313	0.36%	0.155%
174	12.664	12.641	12.699	VV	1693	22347	0.65%	0.280%
175	12.706	12.699	12.761	VV	174	4854	0.14%	0.061%
176	12.783	12.761	12.836	VV	327	6749	0.19%	0.085%
177	12.858	12.836	12.874	VV	114	1370	0.04%	0.017%
178	12.942	12.874	12.974	VV	296	8394	0.24%	0.105%
179	12.988	12.974	13.005	VV	202	3035	0.09%	0.038%
180	13.037	13.005	13.045	VV	165	3231	0.09%	0.041%
181	13.113	13.045	13.154	VV	299758	3464302	100.00%	43.480%
182	13.167	13.154	13.228	VV	341	9786	0.28%	0.123%
183	13.243	13.228	13.252	VV	228	2389	0.07%	0.030%
184	13.276	13.252	13.314	VV	594	12393	0.36%	0.156%
185	13.334	13.314	13.368	VV	392	8358	0.24%	0.105%
186	13.385	13.368	13.424	VV	281	6817	0.20%	0.086%
187	13.450	13.424	13.463	VV	216	3999	0.12%	0.050%
188	13.500	13.463	13.523	VV	310	8312	0.24%	0.104%
189	13.557	13.523	13.594	VV	374	11118	0.32%	0.140%
190	13.622	13.594	13.635	VV	219	3862	0.11%	0.048%
191	13.658	13.635	13.700	VV	241	6867	0.20%	0.086%
192	13.719	13.700	13.757	VV	249	5544	0.16%	0.070%
193	13.814	13.757	13.840	VV	620	11608	0.34%	0.146%
194	13.866	13.840	13.915	VV	1385	20071	0.58%	0.252%

rteres

195	13.920	13.915	13.947	VV	147	1601	0.05%	0.020%
196	13.958	13.947	13.981	VV	111	1023	0.03%	0.013%
197	13.993	13.981	14.018	VV	121	1003	0.03%	0.013%
198	14.025	14.018	14.035	VV	36	226	0.01%	0.003%
199	14.106	14.035	14.183	PV	170	8340	0.24%	0.105%
200	14.199	14.183	14.241	VV	164	3693	0.11%	0.046%
201	14.304	14.241	14.391	VV	1436	27585	0.80%	0.346%
202	14.428	14.391	14.464	VV	302	8171	0.24%	0.103%
203	14.577	14.464	14.638	VV	296	20822	0.60%	0.261%
204	14.686	14.638	14.704	VV	236	6511	0.19%	0.082%
205	14.711	14.704	14.718	VV	213	1296	0.04%	0.016%
206	14.749	14.718	14.777	VV	279	6786	0.20%	0.085%
207	14.790	14.777	14.801	VV	237	2795	0.08%	0.035%
208	14.812	14.801	14.844	VV	173	3697	0.11%	0.046%
209	14.850	14.844	14.884	VV	168	2376	0.07%	0.030%
210	14.926	14.884	14.948	VV	545	10653	0.31%	0.134%
211	14.971	14.948	15.013	VV	1375	21559	0.62%	0.271%
212	15.030	15.013	15.048	VV	182	2388	0.07%	0.030%
213	15.058	15.048	15.096	VV	181	3130	0.09%	0.039%
214	15.138	15.096	15.181	VV	241	6778	0.20%	0.085%
215	15.189	15.181	15.248	VV	143	4393	0.13%	0.055%
216	15.271	15.248	15.294	VV	242	2796	0.08%	0.035%
217	15.317	15.294	15.325	VV	109	1382	0.04%	0.017%
218	15.349	15.325	15.374	VV	156	3013	0.09%	0.038%
219	15.397	15.374	15.414	VV	161	3084	0.09%	0.039%
220	15.492	15.414	15.545	VV	338	12216	0.35%	0.153%
221	15.551	15.545	15.568	VV	121	1127	0.03%	0.014%
222	15.588	15.568	15.611	VV	142	2177	0.06%	0.027%
223	15.652	15.611	15.700	VV	203	8099	0.23%	0.102%
224	15.708	15.700	15.747	VV	173	4251	0.12%	0.053%
225	15.764	15.747	15.814	VV	278	8350	0.24%	0.105%
226	15.820	15.814	15.841	VV	266	3482	0.10%	0.044%
227	15.867	15.841	15.911	VV	341	10402	0.30%	0.131%
228	15.953	15.911	15.970	VV	451	10290	0.30%	0.129%
229	15.994	15.970	16.078	VV	1251	25273	0.73%	0.317%
230	16.092	16.078	16.101	VV	139	1700	0.05%	0.021%
231	16.121	16.101	16.133	VV	152	2369	0.07%	0.030%
232	16.155	16.133	16.209	VV	232	7007	0.20%	0.088%
233	16.252	16.225	16.265	PV	154	2831	0.08%	0.036%
234	16.290	16.265	16.368	VV	182	7014	0.20%	0.088%
235	16.402	16.368	16.423	VV	153	3849	0.11%	0.048%
236	16.441	16.423	16.451	VV	191	2547	0.07%	0.032%
237	16.482	16.451	16.498	VV	353	7364	0.21%	0.092%
238	16.512	16.498	16.591	VV	252	9611	0.28%	0.121%
239	16.596	16.591	16.611	VV	199	1822	0.05%	0.023%
240	16.648	16.611	16.664	VV	263	6045	0.17%	0.076%
241	16.686	16.664	16.763	VV	218	7674	0.22%	0.096%
242	16.775	16.763	16.828	VV	169	4722	0.14%	0.059%
243	16.842	16.828	16.874	VV	186	4293	0.12%	0.054%
244	16.886	16.874	16.890	VV	200	1702	0.05%	0.021%
245	16.913	16.890	16.923	VV	295	5192	0.15%	0.065%
246	16.947	16.923	16.981	VV	1316	19195	0.55%	0.241%

rteres

247	17.065	16.981	17.108	VV	147	7450	0.22%	0.094%
248	17.117	17.108	17.151	VV	108	1637	0.05%	0.021%
249	17.164	17.151	17.191	PV	88	1368	0.04%	0.017%
250	17.220	17.191	17.244	VV	146	3512	0.10%	0.044%
251	17.257	17.244	17.312	VV	125	3698	0.11%	0.046%
252	17.342	17.312	17.378	VV	204	5100	0.15%	0.064%
253	17.398	17.378	17.437	VV	484	7867	0.23%	0.099%
254	17.468	17.437	17.476	VV	122	1663	0.05%	0.021%
255	17.500	17.476	17.538	VV	220	5535	0.16%	0.069%
256	17.544	17.538	17.558	VV	129	1420	0.04%	0.018%
257	17.570	17.558	17.603	VV	159	3684	0.11%	0.046%
258	17.619	17.603	17.634	VV	174	2358	0.07%	0.030%
259	17.647	17.634	17.701	VV	172	4245	0.12%	0.053%
260	17.707	17.701	17.720	VV	112	926	0.03%	0.012%
261	17.729	17.720	17.761	VV	92	1772	0.05%	0.022%
262	17.836	17.761	17.902	PV	1560	32025	0.92%	0.402%
263	17.941	17.902	17.957	VV	160	3713	0.11%	0.047%
264	17.983	17.957	18.021	VV	283	7174	0.21%	0.090%
265	18.027	18.021	18.074	VV	190	4119	0.12%	0.052%
266	18.079	18.074	18.090	VV	153	1075	0.03%	0.013%
267	18.120	18.090	18.176	VV	264	6675	0.19%	0.084%
268	18.192	18.176	18.201	PV	178	1519	0.04%	0.019%
269	18.260	18.201	18.304	VV	670	13837	0.40%	0.174%
270	18.322	18.304	18.343	VV	118	1940	0.06%	0.024%
271	18.394	18.343	18.415	VV	132	3029	0.09%	0.038%
272	18.466	18.415	18.478	VV	85	1648	0.05%	0.021%
273	18.527	18.478	18.570	VV	206	8248	0.24%	0.104%
274	18.602	18.570	18.624	VV	212	5767	0.17%	0.072%
275	18.671	18.624	18.763	VV	1965	39140	1.13%	0.491%
276	18.780	18.763	18.807	VV	150	2544	0.07%	0.032%
277	18.820	18.807	18.847	VV	210	2892	0.08%	0.036%
278	18.875	18.847	18.883	VV	72	874	0.03%	0.011%
279	18.925	18.883	18.934	VV	155	2439	0.07%	0.031%
280	18.948	18.934	18.990	VV	156	2242	0.06%	0.028%
281	19.071	18.990	19.098	PV	643	16177	0.47%	0.203%
282	19.137	19.098	19.148	VV	262	6889	0.20%	0.086%
283	19.184	19.148	19.216	VV	311	9735	0.28%	0.122%
284	19.254	19.216	19.278	VV	586	10283	0.30%	0.129%
285	19.310	19.278	19.346	VV	370	11745	0.34%	0.147%
286	19.395	19.346	19.405	VV	400	11275	0.33%	0.142%
287	19.457	19.405	19.510	VV	2886	58516	1.69%	0.734%
288	19.545	19.510	19.580	VV	470	16461	0.48%	0.207%
289	19.675	19.580	19.681	VV	551	27262	0.79%	0.342%
290	19.752	19.681	19.791	VV	720	39295	1.13%	0.493%
291	19.833	19.791	19.848	VV	857	24877	0.72%	0.312%
292	19.865	19.848	19.882	VV	729	14210	0.41%	0.178%
293	19.938	19.882	19.954	VV	885	34160	0.99%	0.429%
294	19.962	19.954	19.969	VV	850	7091	0.20%	0.089%
295	20.111	19.969	20.133	VV	1260	101997	2.94%	1.280%
296	20.199	20.133	20.244	VV	5432	144151	4.16%	1.809%
297	20.256	20.244	20.283	VV	1463	33612	0.97%	0.422%
298	20.310	20.283	20.319	VV	1502	31380	0.91%	0.394%
299	20.526	20.319	20.651	VV	3517	408391	11.79%	5.126%

rteres

300	20.764	20.651	20.776	VV	1751	123379	3.56%	1.549%
301	20.782	20.776	20.843	VV	1684	64879	1.87%	0.814%
302	20.856	20.843	20.861	VV	1611	17589	0.51%	0.221%
303	20.867	20.861	20.894	VV	1610	29958	0.86%	0.376%
304	20.967	20.894	21.041	VV	7659	247992	7.16%	3.113%
305	21.057	21.041	21.086	VV	1384	36731	1.06%	0.461%
306	21.106	21.086	21.115	VV	1367	23549	0.68%	0.296%
307	21.121	21.115	21.154	VV	1352	29834	0.86%	0.374%
308	21.161	21.154	21.188	VV	1287	24250	0.70%	0.304%
309	21.208	21.188	21.234	VV	1224	32344	0.93%	0.406%
310	21.248	21.234	21.261	VV	1141	18135	0.52%	0.228%
311	21.295	21.261	21.308	VV	1147	30990	0.89%	0.389%
312	21.313	21.308	21.375	VV	1161	44127	1.27%	0.554%
313	21.384	21.375	21.411	VV	1035	22258	0.64%	0.279%
314	21.418	21.411	21.720	VV	1056	162315	4.69%	2.037%
315	21.801	21.720	21.835	VV	771	48916	1.41%	0.614%
316	21.936	21.835	22.041	VV	8361	274495	7.92%	3.445%
317	22.063	22.041	22.090	VV	458	12238	0.35%	0.154%
318	22.110	22.090	22.151	VV	383	12328	0.36%	0.155%
319	22.189	22.151	22.282	VV	328	20153	0.58%	0.253%
320	22.302	22.282	22.364	VV	238	7198	0.21%	0.090%

Sum of corrected areas: 7967556

Aliphatic EPH 052425.M Tue Jun 10 06:24:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049418.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 02:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.734	8111967	48.798 ug/ml
Spiked Amount 50.000		Recovery = 97.60%	
6) S 2-Flurobiphenyl (SURR)	8.600	5429129	47.459 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 94.92%	
11) S ortho-Terphenyl (SURR)	11.648	8823947	43.961 ug/ml
Spiked Amount 50.000		Recovery = 87.92%	
Target Compounds			

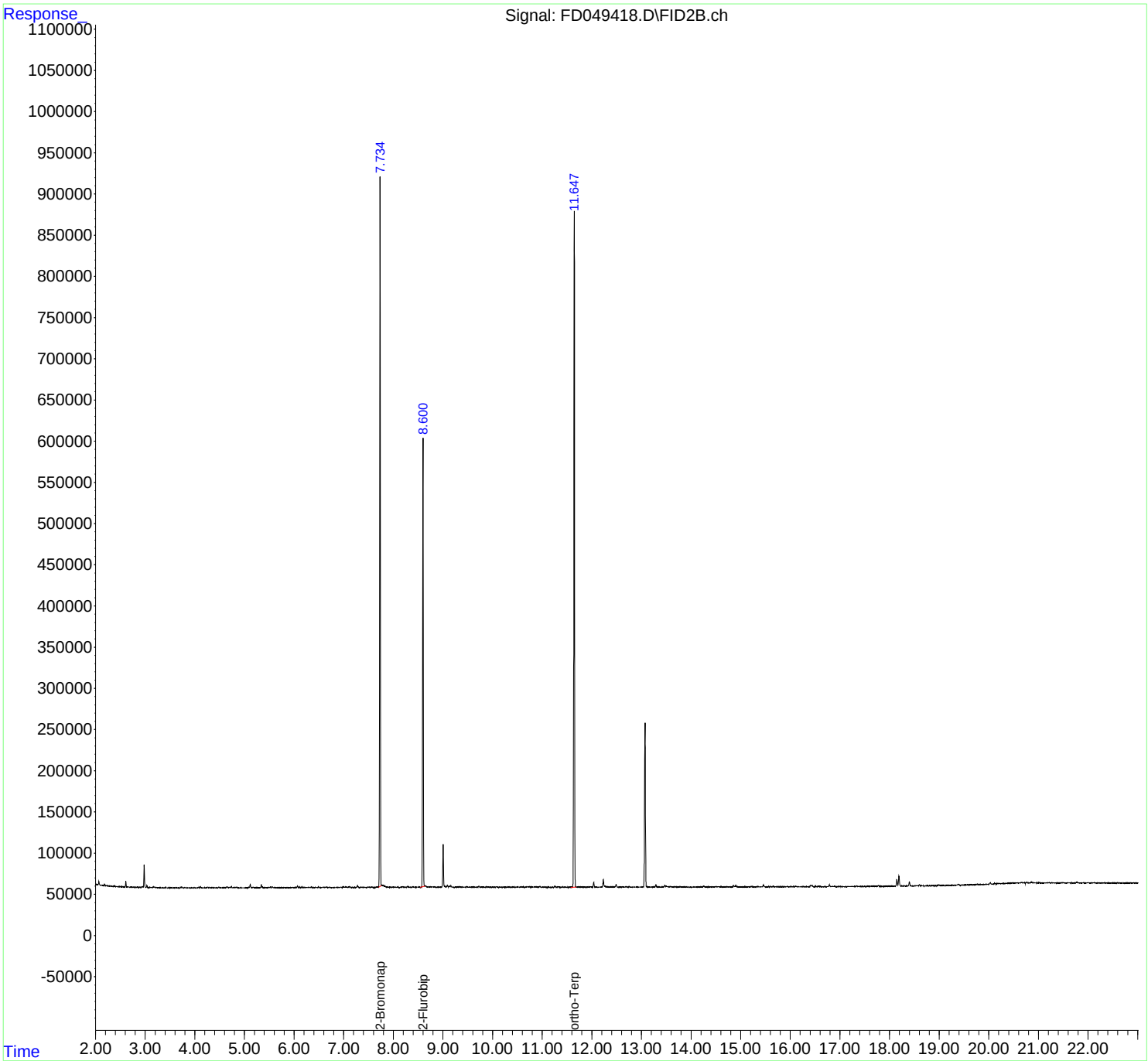
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049418.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

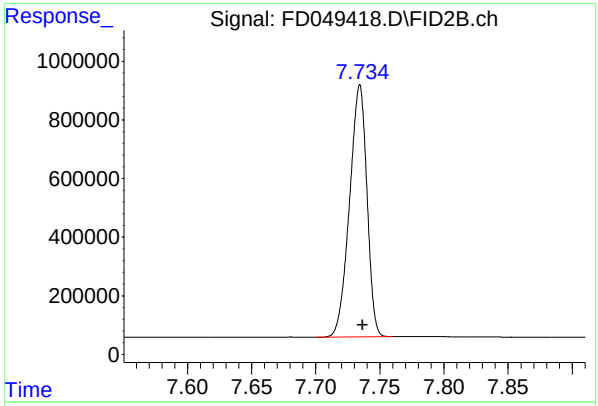
Instrument :
FID_D
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 02:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

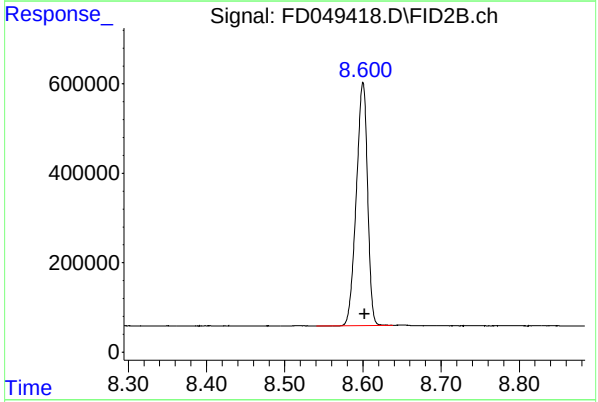


Instrument :
FID_D
ClientSampleId :
EB05312025



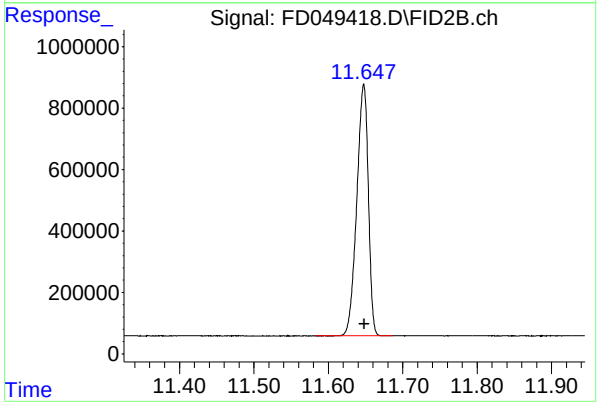
#4 2-Bromonaphthalene (SURR)

R.T.: 7.734 min
Delta R.T.: -0.002 min
Response: 8111967
Conc: 48.80 ug/ml



#6 2-Flurobiphenyl (SURR)

R.T.: 8.600 min
Delta R.T.: -0.002 min
Response: 5429129
Conc: 47.46 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: 0.000 min
Response: 8823947
Conc: 43.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049418.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 18:17
Sample : Q2177-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.258	4.252	4.279	PH	824	7871	0.09%	0.026%
2	4.291	4.279	4.309	PV	328	3254	0.04%	0.011%
3	4.339	4.320	4.352	VV	241	2376	0.03%	0.008%
4	4.380	4.352	4.397	PV	345	4105	0.05%	0.014%
5	4.412	4.404	4.432	PV	289	2721	0.03%	0.009%
6	4.445	4.440	4.461	VV	364	2213	0.03%	0.007%
7	4.484	4.461	4.517	PV	1305	16144	0.18%	0.053%
8	4.529	4.517	4.565	VV	493	7574	0.09%	0.025%
9	4.572	4.565	4.583	VV	379	3719	0.04%	0.012%
10	4.653	4.583	4.674	VV	1703	37483	0.42%	0.124%
11	4.678	4.674	4.683	VV	398	2180	0.02%	0.007%
12	4.708	4.683	4.721	VV	1051	13919	0.16%	0.046%
13	4.737	4.721	4.754	VV	1995	19499	0.22%	0.064%
14	4.770	4.754	4.776	VV	452	4185	0.05%	0.014%
15	4.791	4.776	4.812	VV	1171	13329	0.15%	0.044%
16	4.830	4.812	4.846	VV	1007	13544	0.15%	0.045%
17	4.852	4.846	4.895	VV	709	10356	0.12%	0.034%
18	4.927	4.907	4.947	VV	674	9292	0.11%	0.031%
19	4.960	4.947	4.968	VV	344	2814	0.03%	0.009%
20	4.972	4.968	4.980	VV	241	1549	0.02%	0.005%
21	4.986	4.980	4.996	VV	342	2260	0.03%	0.007%
22	5.003	4.996	5.010	VV	365	2186	0.02%	0.007%
23	5.038	5.010	5.053	VV	528	8469	0.10%	0.028%
24	5.072	5.053	5.077	VV	377	4055	0.05%	0.013%
25	5.091	5.077	5.099	VV	912	7925	0.09%	0.026%
26	5.117	5.099	5.155	VV	4330	52224	0.59%	0.172%
27	5.175	5.155	5.198	VV	1033	16324	0.18%	0.054%
28	5.202	5.198	5.215	VV	602	4523	0.05%	0.015%
29	5.226	5.215	5.266	VV	765	15422	0.17%	0.051%
30	5.288	5.266	5.294	VV	515	7150	0.08%	0.024%
31	5.315	5.294	5.323	VV	603	8492	0.10%	0.028%
32	5.340	5.323	5.395	VV	4123	54757	0.62%	0.181%
33	5.399	5.395	5.421	VV	478	6216	0.07%	0.021%
34	5.436	5.421	5.442	VV	472	5010	0.06%	0.017%
35	5.485	5.442	5.503	VV	718	17631	0.20%	0.058%
36	5.519	5.503	5.540	VV	974	14116	0.16%	0.047%

rteres

37	5.560	5.540	5.588	VV	1771	24738	0.28%	0.082%
38	5.590	5.588	5.595	VV	442	1601	0.02%	0.005%
39	5.618	5.595	5.642	VV	672	12183	0.14%	0.040%
40	5.646	5.642	5.651	VV	300	1338	0.02%	0.004%
41	5.678	5.651	5.698	VV	606	11616	0.13%	0.038%
42	5.706	5.698	5.725	VV	449	5937	0.07%	0.020%
43	5.736	5.725	5.742	VV	611	4121	0.05%	0.014%
44	5.743	5.742	5.753	VV	441	2201	0.02%	0.007%
45	5.761	5.753	5.781	VV	599	6493	0.07%	0.021%
46	5.803	5.781	5.830	VV	765	12101	0.14%	0.040%
47	5.835	5.830	5.841	VV	423	1814	0.02%	0.006%
48	5.858	5.841	5.880	VV	718	9983	0.11%	0.033%
49	5.934	5.880	5.953	VV	556	16776	0.19%	0.055%
50	5.967	5.953	5.995	VV	791	12669	0.14%	0.042%
51	6.008	5.995	6.015	VV	419	3938	0.04%	0.013%
52	6.029	6.015	6.042	VV	710	8340	0.09%	0.028%
53	6.071	6.042	6.102	VV	2547	36068	0.41%	0.119%
54	6.122	6.102	6.132	VV	859	11618	0.13%	0.038%
55	6.135	6.132	6.141	VV	456	2536	0.03%	0.008%
56	6.159	6.141	6.185	VV	1212	18633	0.21%	0.061%
57	6.194	6.185	6.200	VV	615	4705	0.05%	0.016%
58	6.213	6.200	6.253	VV	676	16059	0.18%	0.053%
59	6.293	6.253	6.300	VV	651	14129	0.16%	0.047%
60	6.326	6.300	6.332	VV	571	9163	0.10%	0.030%
61	6.352	6.332	6.377	VV	1145	16403	0.19%	0.054%
62	6.385	6.377	6.400	VV	522	5535	0.06%	0.018%
63	6.404	6.400	6.417	VV	351	3179	0.04%	0.010%
64	6.423	6.417	6.447	VV	549	7279	0.08%	0.024%
65	6.450	6.447	6.475	VV	479	7205	0.08%	0.024%
66	6.496	6.475	6.527	VV	1580	24138	0.27%	0.080%
67	6.543	6.527	6.549	VV	538	4824	0.05%	0.016%
68	6.582	6.549	6.605	VV	909	18813	0.21%	0.062%
69	6.616	6.605	6.633	VV	736	9811	0.11%	0.032%
70	6.647	6.633	6.668	VV	1299	15977	0.18%	0.053%
71	6.679	6.668	6.700	VV	623	9064	0.10%	0.030%
72	6.719	6.700	6.755	VV	920	17137	0.19%	0.057%
73	6.758	6.755	6.770	VV	444	3257	0.04%	0.011%
74	6.778	6.770	6.798	VV	371	4929	0.06%	0.016%
75	6.810	6.798	6.837	VV	688	9518	0.11%	0.031%
76	6.842	6.837	6.860	VV	510	5266	0.06%	0.017%
77	6.869	6.860	6.898	VV	557	10049	0.11%	0.033%
78	6.939	6.898	6.967	VV	934	21049	0.24%	0.069%
79	6.993	6.967	7.015	VV	1177	23773	0.27%	0.078%
80	7.020	7.015	7.023	VV	691	3139	0.04%	0.010%
81	7.045	7.023	7.087	VV	1235	32655	0.37%	0.108%
82	7.121	7.087	7.145	VV	1664	32757	0.37%	0.108%
83	7.150	7.145	7.165	VV	637	6437	0.07%	0.021%
84	7.176	7.165	7.186	VV	649	6916	0.08%	0.023%
85	7.193	7.186	7.218	VV	714	10463	0.12%	0.035%
86	7.223	7.218	7.246	VV	585	7608	0.09%	0.025%
87	7.279	7.246	7.330	VV	2977	49256	0.56%	0.163%
88	7.343	7.330	7.355	VV	684	8618	0.10%	0.028%
89	7.359	7.355	7.370	VV	651	5017	0.06%	0.017%

rteres

90	7.387	7.370	7.399	VV	716	10436	0.12%	0.034%
91	7.421	7.399	7.438	VV	967	16025	0.18%	0.053%
92	7.485	7.438	7.500	VV	961	23248	0.26%	0.077%
93	7.508	7.500	7.532	VV	911	13681	0.15%	0.045%
94	7.553	7.532	7.585	VV	687	17182	0.19%	0.057%
95	7.594	7.585	7.612	VV	627	6814	0.08%	0.022%
96	7.623	7.612	7.631	VV	605	5305	0.06%	0.018%
97	7.657	7.631	7.665	VV	805	13574	0.15%	0.045%
98	7.681	7.665	7.702	VV	1323	20179	0.23%	0.067%
99	7.734	7.702	7.760	VV	865771	8171984	92.42%	26.963%
100	7.775	7.760	7.814	VV	3202	88908	1.01%	0.293%
101	7.826	7.814	7.905	VV	2210	63146	0.71%	0.208%
102	7.910	7.905	7.920	VV	642	5124	0.06%	0.017%
103	7.934	7.920	7.944	VV	715	8353	0.09%	0.028%
104	7.948	7.944	7.965	VV	689	6506	0.07%	0.021%
105	7.982	7.965	8.000	VV	997	14822	0.17%	0.049%
106	8.002	8.000	8.005	VV	760	2291	0.03%	0.008%
107	8.010	8.005	8.017	VV	769	4753	0.05%	0.016%
108	8.023	8.017	8.042	VV	662	8672	0.10%	0.029%
109	8.049	8.042	8.057	VV	615	5141	0.06%	0.017%
110	8.072	8.057	8.102	VV	750	16002	0.18%	0.053%
111	8.161	8.102	8.167	VV	786	20444	0.23%	0.067%
112	8.194	8.167	8.198	VV	1393	18522	0.21%	0.061%
113	8.201	8.198	8.222	VV	1108	11056	0.13%	0.036%
114	8.230	8.222	8.237	VV	857	6745	0.08%	0.022%
115	8.241	8.237	8.246	VV	821	3774	0.04%	0.012%
116	8.248	8.246	8.254	VV	774	3059	0.03%	0.010%
117	8.287	8.254	8.308	VV	1761	30816	0.35%	0.102%
118	8.315	8.308	8.329	VV	772	7897	0.09%	0.026%
119	8.334	8.329	8.337	VV	535	2314	0.03%	0.008%
120	8.350	8.337	8.363	VV	894	9694	0.11%	0.032%
121	8.404	8.363	8.416	VV	901	22359	0.25%	0.074%
122	8.429	8.416	8.455	VV	828	16028	0.18%	0.053%
123	8.460	8.455	8.467	VV	525	2881	0.03%	0.010%
124	8.479	8.467	8.497	VV	854	11434	0.13%	0.038%
125	8.501	8.497	8.504	VV	669	2619	0.03%	0.009%
126	8.519	8.504	8.548	VV	1014	19423	0.22%	0.064%
127	8.600	8.548	8.638	VV	546011	5501452	62.22%	18.152%
128	8.650	8.638	8.678	VV	2625	42988	0.49%	0.142%
129	8.696	8.678	8.715	VV	1161	22262	0.25%	0.073%
130	8.718	8.715	8.728	VV	1057	7138	0.08%	0.024%
131	8.745	8.728	8.764	VV	1203	20640	0.23%	0.068%
132	8.788	8.764	8.815	VV	1152	29898	0.34%	0.099%
133	8.828	8.815	8.838	VV	1122	13465	0.15%	0.044%
134	8.845	8.838	8.869	VV	1085	12911	0.15%	0.043%
135	8.888	8.869	8.903	VV	741	11469	0.13%	0.038%
136	8.911	8.903	8.927	VV	915	10714	0.12%	0.035%
137	8.933	8.927	8.966	VV	960	15319	0.17%	0.051%
138	9.006	8.966	9.028	VV	52419	536815	6.07%	1.771%
139	9.036	9.028	9.052	VV	2102	23736	0.27%	0.078%
140	9.061	9.052	9.072	VV	1252	13676	0.15%	0.045%
141	9.089	9.072	9.110	VV	3135	41587	0.47%	0.137%

rteres

142	9.125	9.110	9.146	VV	2073	32568	0.37%	0.107%
143	9.161	9.146	9.182	VV	2661	34019	0.38%	0.112%
144	9.197	9.182	9.230	VV	922	16313	0.18%	0.054%
145	9.245	9.230	9.265	VV	694	11216	0.13%	0.037%
146	9.271	9.265	9.277	VV	756	4434	0.05%	0.015%
147	9.295	9.277	9.316	VV	1069	17347	0.20%	0.057%
148	9.341	9.316	9.357	VV	1105	20837	0.24%	0.069%
149	9.361	9.357	9.382	VV	684	8392	0.09%	0.028%
150	9.396	9.382	9.429	VV	800	19484	0.22%	0.064%
151	9.441	9.429	9.448	VV	778	7692	0.09%	0.025%
152	9.453	9.448	9.458	VV	714	3971	0.04%	0.013%
153	9.476	9.458	9.532	VV	1393	31031	0.35%	0.102%
154	9.546	9.532	9.555	VV	647	6875	0.08%	0.023%
155	9.559	9.555	9.575	VV	533	5668	0.06%	0.019%
156	9.588	9.575	9.594	VV	584	6184	0.07%	0.020%
157	9.612	9.594	9.644	VV	798	17395	0.20%	0.057%
158	9.663	9.644	9.677	VV	703	10656	0.12%	0.035%
159	9.681	9.677	9.698	VV	572	5238	0.06%	0.017%
160	9.723	9.698	9.744	VV	1715	25933	0.29%	0.086%
161	9.755	9.744	9.761	VV	682	5773	0.07%	0.019%
162	9.765	9.761	9.784	VV	593	6660	0.08%	0.022%
163	9.793	9.784	9.814	VV	681	10285	0.12%	0.034%
164	9.822	9.814	9.857	VV	606	10946	0.12%	0.036%
165	9.884	9.857	9.917	VV	1044	22562	0.26%	0.074%
166	9.922	9.917	9.931	VV	434	3360	0.04%	0.011%
167	9.959	9.931	9.967	VV	680	10842	0.12%	0.036%
168	9.973	9.967	9.994	VV	627	8390	0.09%	0.028%
169	9.998	9.994	10.007	VV	507	3333	0.04%	0.011%
170	10.010	10.007	10.015	VV	434	2000	0.02%	0.007%
171	10.019	10.015	10.023	VV	525	2037	0.02%	0.007%
172	10.030	10.023	10.034	VV	470	2741	0.03%	0.009%
173	10.048	10.034	10.055	VV	532	6049	0.07%	0.020%
174	10.080	10.055	10.100	VV	1382	21920	0.25%	0.072%
175	10.106	10.100	10.125	VV	681	7323	0.08%	0.024%
176	10.162	10.125	10.174	VV	623	11683	0.13%	0.039%
177	10.202	10.174	10.230	VV	704	16127	0.18%	0.053%
178	10.249	10.230	10.259	VV	505	7490	0.08%	0.025%
179	10.270	10.259	10.283	VV	599	6744	0.08%	0.022%
180	10.289	10.283	10.293	VV	528	2675	0.03%	0.009%
181	10.312	10.293	10.332	VV	718	12675	0.14%	0.042%
182	10.346	10.332	10.352	VV	723	7002	0.08%	0.023%
183	10.358	10.352	10.378	VV	600	8709	0.10%	0.029%
184	10.381	10.378	10.390	VV	664	3123	0.04%	0.010%
185	10.405	10.390	10.426	VV	845	13392	0.15%	0.044%
186	10.438	10.426	10.445	VV	617	5751	0.07%	0.019%
187	10.446	10.445	10.452	VV	581	1589	0.02%	0.005%
188	10.509	10.452	10.522	VV	788	24664	0.28%	0.081%
189	10.529	10.522	10.534	VV	649	4338	0.05%	0.014%
190	10.541	10.534	10.548	VV	575	4440	0.05%	0.015%
191	10.568	10.548	10.586	VV	872	14677	0.17%	0.048%
192	10.604	10.586	10.623	VV	942	16488	0.19%	0.054%
193	10.625	10.623	10.654	VV	673	8270	0.09%	0.027%
194	10.677	10.654	10.682	VV	830	9683	0.11%	0.032%

rteres

195	10.685	10.682	10.691	VV	804	3652	0.04%	0.012%
196	10.695	10.691	10.703	VV	671	4468	0.05%	0.015%
197	10.715	10.703	10.735	VV	1010	15301	0.17%	0.050%
198	10.753	10.735	10.782	VV	1162	19572	0.22%	0.065%
199	10.792	10.782	10.798	VV	638	4098	0.05%	0.014%
200	10.811	10.798	10.833	VV	604	10860	0.12%	0.036%
201	10.842	10.833	10.855	VV	659	7512	0.08%	0.025%
202	10.868	10.855	10.920	VV	1124	23755	0.27%	0.078%
203	10.949	10.920	10.977	VV	1287	24464	0.28%	0.081%
204	10.988	10.977	11.006	VV	600	8206	0.09%	0.027%
205	11.028	11.006	11.035	VV	567	7086	0.08%	0.023%
206	11.047	11.035	11.061	VV	701	7883	0.09%	0.026%
207	11.066	11.061	11.093	VV	497	6684	0.08%	0.022%
208	11.099	11.093	11.118	VV	230	3567	0.04%	0.012%
209	11.139	11.118	11.165	VV	524	8391	0.09%	0.028%
210	11.177	11.165	11.188	VV	304	2975	0.03%	0.010%
211	11.194	11.188	11.198	VV	270	1227	0.01%	0.004%
212	11.215	11.198	11.229	VV	375	4967	0.06%	0.016%
213	11.253	11.229	11.280	VV	1693	24704	0.28%	0.082%
214	11.300	11.280	11.308	VV	571	7449	0.08%	0.025%
215	11.329	11.308	11.353	VV	1230	19856	0.22%	0.066%
216	11.359	11.353	11.367	VV	438	2545	0.03%	0.008%
217	11.375	11.367	11.385	VV	431	3636	0.04%	0.012%
218	11.414	11.385	11.432	VV	957	15192	0.17%	0.050%
219	11.437	11.432	11.445	VV	456	2640	0.03%	0.009%
220	11.453	11.445	11.459	VV	331	2511	0.03%	0.008%
221	11.467	11.459	11.505	VV	390	7845	0.09%	0.026%
222	11.512	11.505	11.532	VV	283	3292	0.04%	0.011%
223	11.539	11.532	11.551	VV	372	2665	0.03%	0.009%
224	11.559	11.551	11.574	VV	345	3748	0.04%	0.012%
225	11.589	11.574	11.605	VV	368	5356	0.06%	0.018%
226	11.648	11.605	11.687	VV	819971	8842644	100.00%	29.175%
227	11.721	11.687	11.725	VV	725	12364	0.14%	0.041%
228	11.731	11.725	11.756	VV	822	11318	0.13%	0.037%
229	11.771	11.756	11.777	VV	594	5794	0.07%	0.019%
230	11.788	11.777	11.793	VV	673	5736	0.06%	0.019%
231	11.802	11.793	11.830	VV	810	10860	0.12%	0.036%
232	11.839	11.830	11.854	VV	432	4230	0.05%	0.014%
233	11.862	11.854	11.877	VV	390	3779	0.04%	0.012%
234	11.882	11.877	11.913	VV	324	6511	0.07%	0.021%
235	11.981	11.913	12.013	VV	902	33175	0.38%	0.109%
236	12.040	12.013	12.068	VV	6332	76794	0.87%	0.253%
237	12.081	12.068	12.102	VV	709	9239	0.10%	0.030%
238	12.120	12.102	12.140	VV	473	8956	0.10%	0.030%
239	12.232	12.140	12.350	VV	9266	184613	2.09%	0.609%
240	12.364	12.350	12.387	VV	671	11995	0.14%	0.040%
241	12.403	12.387	12.410	VV	538	7325	0.08%	0.024%
242	12.420	12.410	12.428	VV	568	5904	0.07%	0.019%
243	12.443	12.428	12.457	VV	790	10305	0.12%	0.034%
244	12.492	12.457	12.538	VV	3511	60559	0.68%	0.200%
245	12.568	12.538	12.595	VV	714	13632	0.15%	0.045%
246	12.627	12.595	12.658	VV	935	18618	0.21%	0.061%

rteres

247	12.690	12.658	12.727	VV	889	20283	0.23%	0.067%
248	12.748	12.727	12.792	VV	774	17801	0.20%	0.059%
249	12.810	12.792	12.823	VV	365	5069	0.06%	0.017%
250	12.833	12.823	12.849	VV	339	4754	0.05%	0.016%
251	12.862	12.849	12.890	VV	488	8438	0.10%	0.028%
252	12.915	12.890	12.950	VV	517	14002	0.16%	0.046%
253	12.988	12.950	13.010	VV	630	14225	0.16%	0.047%
254	13.028	13.010	13.038	VV	713	9394	0.11%	0.031%
255	13.073	13.038	13.107	VV	199918	2312088	26.15%	7.629%
256	13.116	13.107	13.172	VV	672	17225	0.19%	0.057%
257	13.231	13.172	13.252	VV	481	15399	0.17%	0.051%
258	13.291	13.252	13.318	VV	3207	47901	0.54%	0.158%
259	13.356	13.318	13.392	VV	552	18379	0.21%	0.061%
260	13.413	13.392	13.430	VV	540	8463	0.10%	0.028%
261	13.469	13.430	13.549	VV	2492	73715	0.83%	0.243%
262	13.571	13.549	13.629	VV	758	28590	0.32%	0.094%
263	13.640	13.629	13.665	VV	597	10531	0.12%	0.035%
264	13.692	13.665	13.715	VV	873	18770	0.21%	0.062%
265	13.733	13.715	13.747	VV	512	8341	0.09%	0.028%
266	13.770	13.747	13.798	VV	913	17168	0.19%	0.057%
267	13.822	13.798	13.848	VV	831	16158	0.18%	0.053%
268	13.857	13.848	13.869	VV	525	4390	0.05%	0.014%
269	13.883	13.869	13.938	VV	422	12126	0.14%	0.040%
270	13.959	13.938	13.988	VV	356	5801	0.07%	0.019%
271	14.055	13.988	14.083	PV	404	12994	0.15%	0.043%
272	14.091	14.083	14.100	VV	322	2168	0.02%	0.007%
273	14.110	14.100	14.132	VV	345	4699	0.05%	0.016%
274	14.161	14.132	14.183	VV	468	11073	0.13%	0.037%
275	14.194	14.183	14.205	VV	375	4083	0.05%	0.013%
276	14.212	14.205	14.230	VV	308	4578	0.05%	0.015%
277	14.256	14.230	14.288	VV	1643	28077	0.32%	0.093%
278	14.298	14.288	14.341	VV	391	8456	0.10%	0.028%
279	14.391	14.341	14.428	VV	554	17423	0.20%	0.057%
280	14.436	14.428	14.450	VV	473	5096	0.06%	0.017%
281	14.463	14.450	14.469	VV	387	3751	0.04%	0.012%
282	14.490	14.469	14.502	VV	521	8532	0.10%	0.028%
283	14.546	14.502	14.580	VV	824	26298	0.30%	0.087%
284	14.593	14.580	14.628	VV	634	13406	0.15%	0.044%
285	14.646	14.628	14.681	VV	448	10478	0.12%	0.035%
286	14.701	14.681	14.752	VV	517	17685	0.20%	0.058%
287	14.766	14.752	14.783	VV	326	6474	0.07%	0.021%
288	14.794	14.783	14.828	VV	348	6213	0.07%	0.021%
289	14.856	14.828	14.876	VV	2234	31292	0.35%	0.103%
290	14.897	14.876	14.963	VV	1864	42641	0.48%	0.141%
291	14.977	14.963	14.993	VV	319	4283	0.05%	0.014%
292	15.012	14.993	15.048	VV	300	7581	0.09%	0.025%
293	15.056	15.048	15.067	VV	323	2792	0.03%	0.009%
294	15.087	15.067	15.139	VV	589	15130	0.17%	0.050%
295	15.154	15.139	15.182	VV	445	7153	0.08%	0.024%
296	15.218	15.182	15.262	VV	826	20876	0.24%	0.069%
297	15.282	15.262	15.295	VV	388	4685	0.05%	0.015%
298	15.339	15.295	15.378	VV	711	18551	0.21%	0.061%
299	15.387	15.378	15.419	VV	330	6195	0.07%	0.020%

rteres

300	15.460	15.419	15.527	VV	2392	41048	0.46%	0.135%
301	15.559	15.527	15.578	VV	384	7415	0.08%	0.024%
302	15.588	15.578	15.606	VV	359	4374	0.05%	0.014%
303	15.653	15.606	15.695	VV	649	19187	0.22%	0.063%
304	15.733	15.695	15.750	VV	479	9188	0.10%	0.030%
305	15.763	15.750	15.780	VV	421	5484	0.06%	0.018%
306	15.791	15.780	15.855	VV	351	14141	0.16%	0.047%
307	15.864	15.855	15.880	VV	410	4405	0.05%	0.015%
308	15.901	15.880	15.919	VV	442	7428	0.08%	0.025%
309	15.938	15.919	15.977	VV	672	14893	0.17%	0.049%
310	16.001	15.977	16.032	VV	533	9618	0.11%	0.032%
311	16.042	16.032	16.053	VV	245	2618	0.03%	0.009%
312	16.108	16.053	16.149	VV	886	23897	0.27%	0.079%
313	16.157	16.149	16.207	VV	294	6140	0.07%	0.020%
314	16.212	16.207	16.220	VV	227	1022	0.01%	0.003%
315	16.240	16.220	16.272	PV	369	5740	0.06%	0.019%
316	16.279	16.272	16.290	VV	281	1920	0.02%	0.006%
317	16.301	16.290	16.349	VV	444	6484	0.07%	0.021%
318	16.407	16.349	16.421	PV	1723	26678	0.30%	0.088%
319	16.437	16.421	16.487	VV	2195	36454	0.41%	0.120%
320	16.504	16.487	16.537	VV	731	14120	0.16%	0.047%
321	16.562	16.537	16.586	VV	824	16186	0.18%	0.053%
322	16.596	16.586	16.618	VV	636	7823	0.09%	0.026%
323	16.629	16.618	16.651	VV	376	5319	0.06%	0.018%
324	16.657	16.651	16.683	VV	314	5122	0.06%	0.017%
325	16.690	16.683	16.711	VV	429	3531	0.04%	0.012%
326	16.723	16.711	16.763	VV	333	7655	0.09%	0.025%
327	16.786	16.763	16.852	VV	2436	42017	0.48%	0.139%
328	16.856	16.852	16.872	VV	324	3291	0.04%	0.011%
329	16.889	16.872	16.941	VV	756	13752	0.16%	0.045%
330	16.954	16.941	16.972	VV	259	3138	0.04%	0.010%
331	16.982	16.972	16.990	VV	332	2635	0.03%	0.009%
332	17.001	16.990	17.053	VV	346	7381	0.08%	0.024%
333	17.074	17.053	17.085	VV	204	2432	0.03%	0.008%
334	17.094	17.085	17.120	VV	224	2543	0.03%	0.008%
335	17.129	17.120	17.147	VV	107	1663	0.02%	0.005%
336	17.173	17.147	17.203	VV	383	5134	0.06%	0.017%
337	17.236	17.203	17.252	VV	268	3835	0.04%	0.013%
338	17.280	17.252	17.290	VV	198	3204	0.04%	0.011%
339	17.299	17.290	17.308	VV	258	1443	0.02%	0.005%
340	17.339	17.308	17.375	VV	884	14447	0.16%	0.048%
341	17.417	17.375	17.432	VV	363	6757	0.08%	0.022%
342	17.439	17.432	17.453	VV	357	3119	0.04%	0.010%
343	17.463	17.453	17.495	VV	276	4652	0.05%	0.015%
344	17.510	17.495	17.534	VV	338	5514	0.06%	0.018%
345	17.565	17.534	17.590	VV	372	8625	0.10%	0.028%
346	17.609	17.590	17.634	VV	433	8109	0.09%	0.027%
347	17.650	17.634	17.700	VV	461	12533	0.14%	0.041%
348	17.705	17.700	17.747	VV	355	7060	0.08%	0.023%
349	17.773	17.747	17.842	VV	1315	24662	0.28%	0.081%
350	17.865	17.842	17.885	VV	343	4247	0.05%	0.014%
351	17.895	17.885	17.906	VV	118	1518	0.02%	0.005%

					rteres			
352	17.933	17.906	17.970	PV	428	9102	0.10%	0.030%
353	17.994	17.970	18.030	VV	357	8615	0.10%	0.028%
354	18.054	18.030	18.085	VV	442	9754	0.11%	0.032%
355	18.093	18.085	18.102	VV	359	2302	0.03%	0.008%
356	18.147	18.102	18.166	VV	7979	105129	1.19%	0.347%
357	18.188	18.166	18.230	VV	12357	173998	1.97%	0.574%
358	18.239	18.230	18.258	VV	432	5697	0.06%	0.019%
359	18.294	18.258	18.307	VV	383	7600	0.09%	0.025%
360	18.318	18.307	18.333	VV	390	4994	0.06%	0.016%
361	18.340	18.333	18.358	VV	395	3714	0.04%	0.012%
362	18.399	18.358	18.478	VV	5265	84912	0.96%	0.280%
363	18.487	18.478	18.495	VV	333	2879	0.03%	0.009%
364	18.504	18.495	18.513	VV	389	3285	0.04%	0.011%
365	18.528	18.513	18.553	VV	447	8110	0.09%	0.027%
366	18.560	18.553	18.570	VV	384	3016	0.03%	0.010%
367	18.602	18.570	18.698	VV	1336	37057	0.42%	0.122%
368	18.708	18.698	18.718	VV	153	1337	0.02%	0.004%
369	18.768	18.718	18.802	PV	264	10698	0.12%	0.035%
370	18.810	18.802	18.818	VV	271	2129	0.02%	0.007%
371	18.827	18.818	18.839	VV	307	2576	0.03%	0.008%
372	18.864	18.839	18.877	VV	225	3955	0.04%	0.013%
373	18.906	18.877	18.925	VV	284	4446	0.05%	0.015%
374	18.932	18.925	18.945	VV	202	1469	0.02%	0.005%
			Sum of corrected areas:			30308498		

Aromatic EPH 052425.M Tue Jun 10 03:00:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 05:23:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.113	2680219	29.875 ug/ml
Spiked Amount 50.000		Recovery = 59.75%	
Target Compounds			

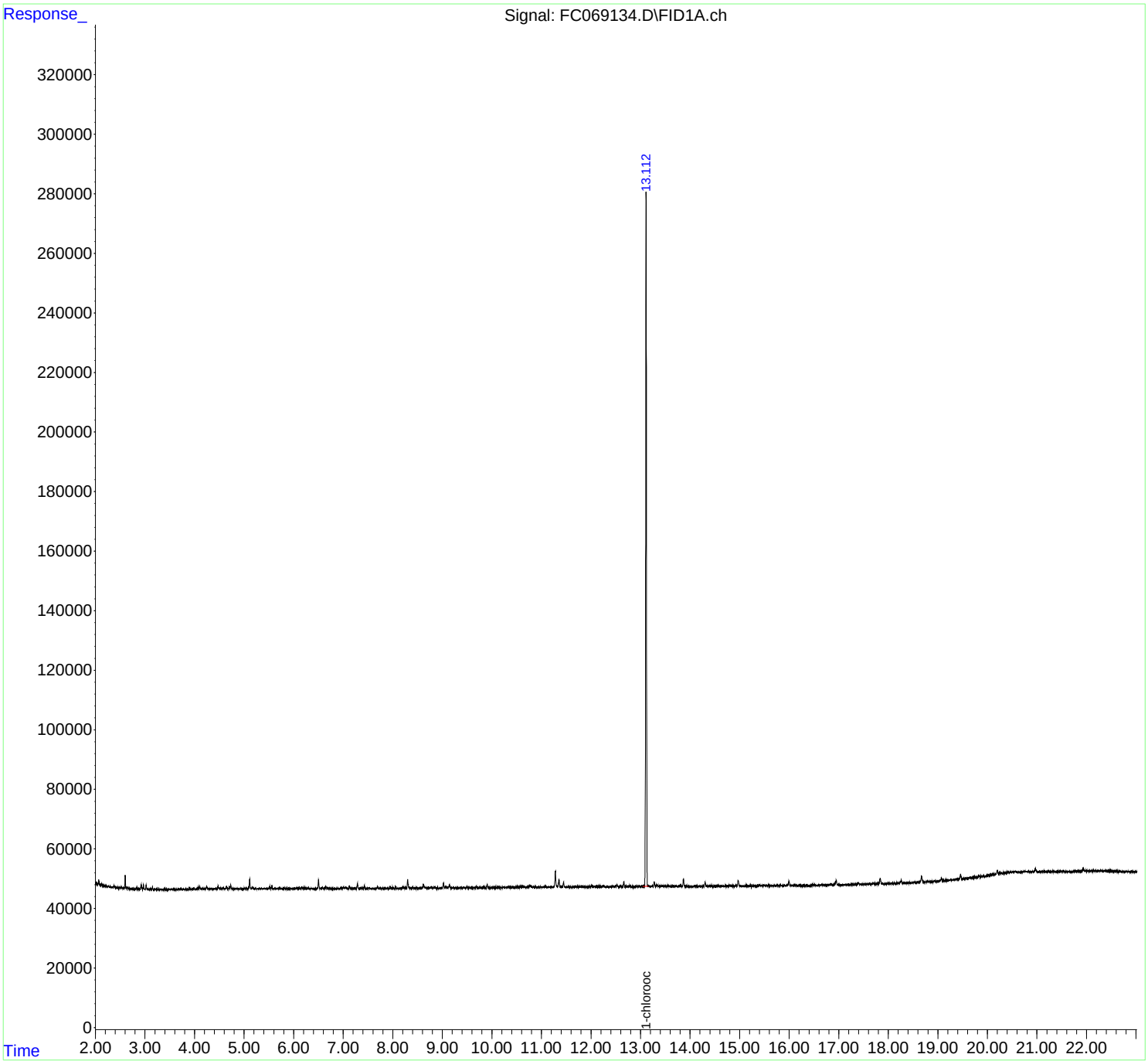
(f)=RT Delta > 1/2 Window (m)=manual int.

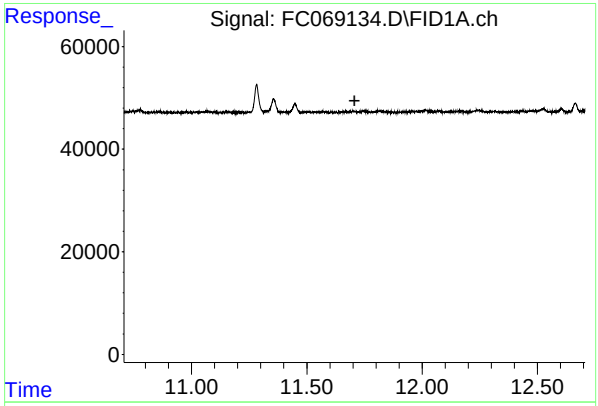
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 05:23:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

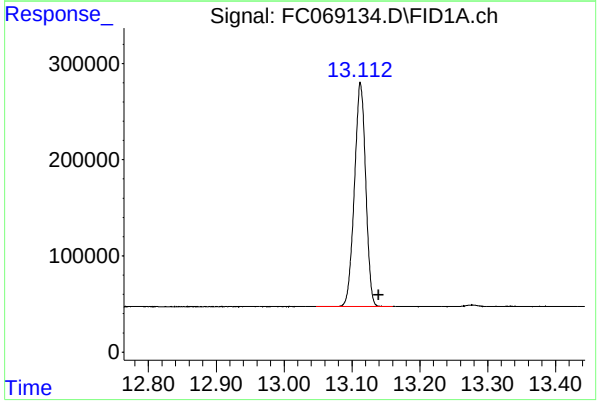




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB168324BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 2680219
Conc: 29.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	13.113	13.047	13.160	BB	233105	2680219	100.00%	100.000%

Sum of corrected areas: 2680219

Aliphatic EPH 052425.M Tue Jun 10 06:17:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 02:35:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	5192860	31.238 ug/ml
Spiked Amount 50.000		Recovery =	62.48%
6) S 2-Flurobiphenyl (SURR)	8.598	3467147	30.308 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	60.62%
11) S ortho-Terphenyl (SURR)	11.645	5861022	29.200 ug/ml
Spiked Amount 50.000		Recovery =	58.40%
Target Compounds			

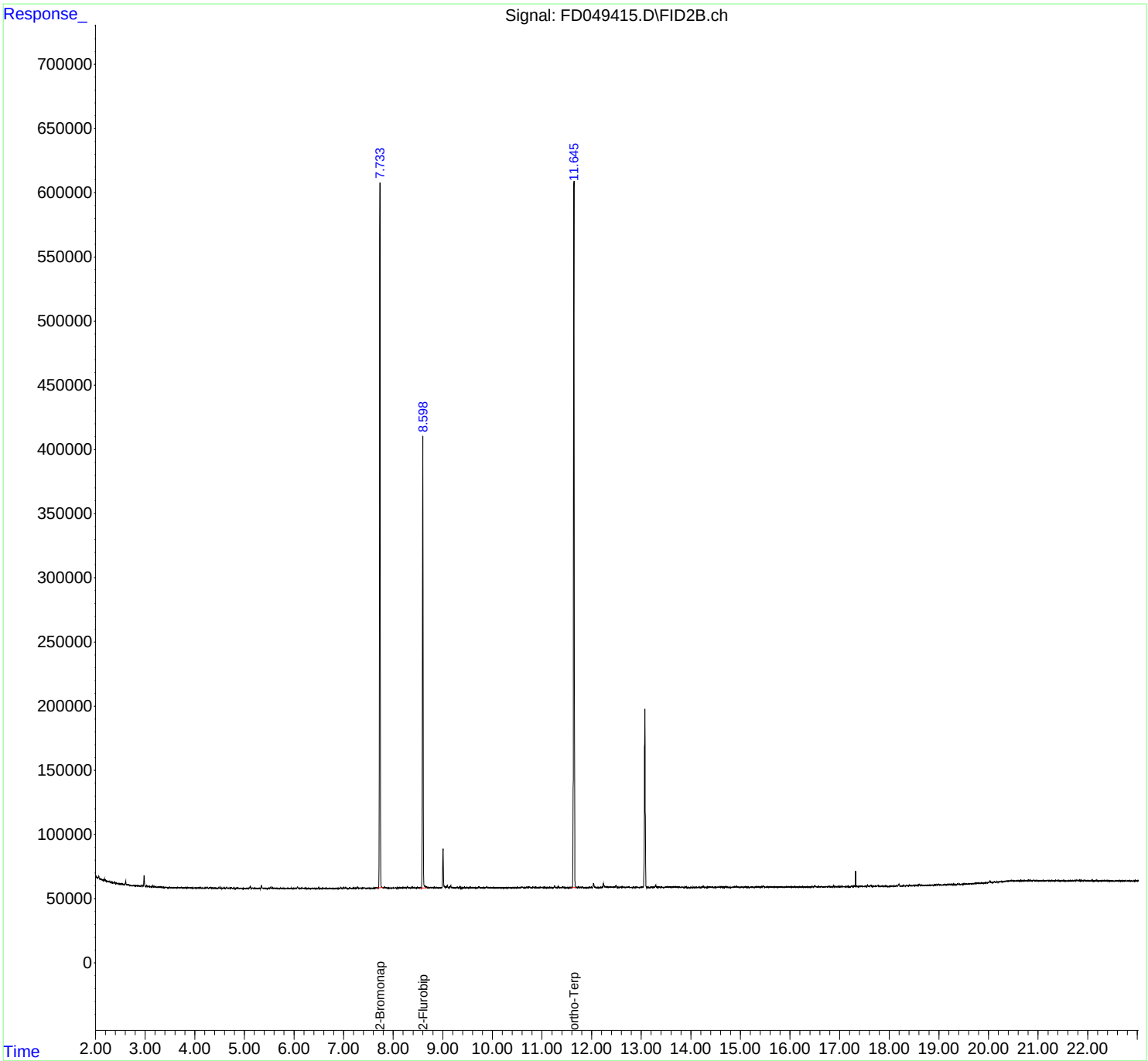
(f)=RT Delta > 1/2 Window (m)=manual int.

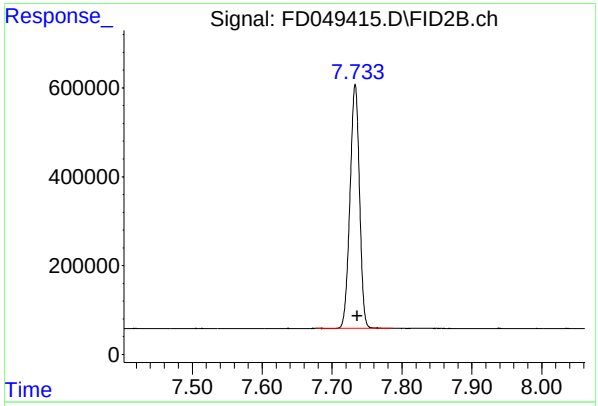
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 02:35:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

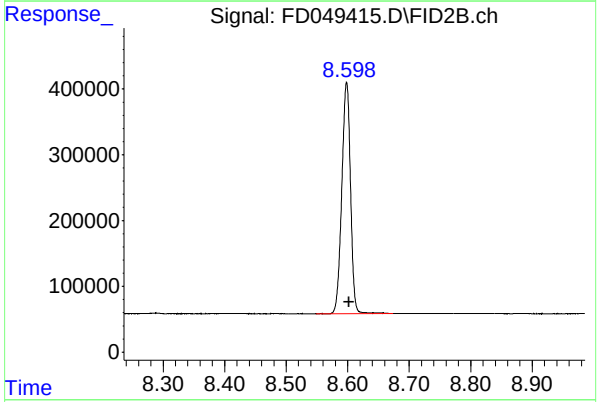




#4 2-Bromonaphthalene (SURR)

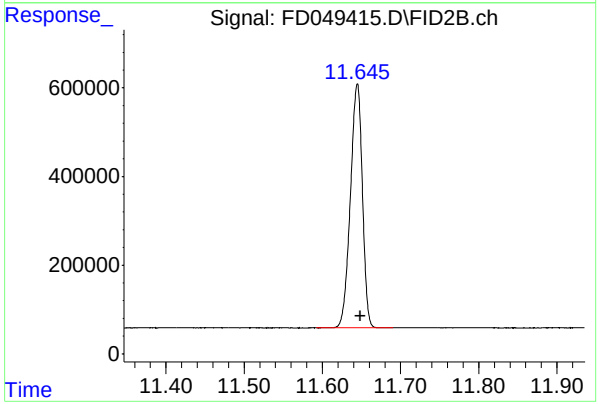
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5192860
Conc: 31.24 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168324BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.004 min
Response: 3467147
Conc: 30.31 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.004 min
Response: 5861022
Conc: 29.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	7.733	7.677	7.787	BB	549290	5192860	88.60%	35.761%
2	8.598	8.549	8.674	BB	351672	3467147	59.16%	23.877%
3	11.645	11.592	11.690	BB	551945	5861022	100.00%	40.362%
			Sum of corrected areas:			14521029		

Aromatic EPH 052425.M Tue Jun 10 02:57:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 06:04:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.115	2699214	30.087 ug/ml
Spiked Amount 50.000		Recovery = 60.17%	
Target Compounds			

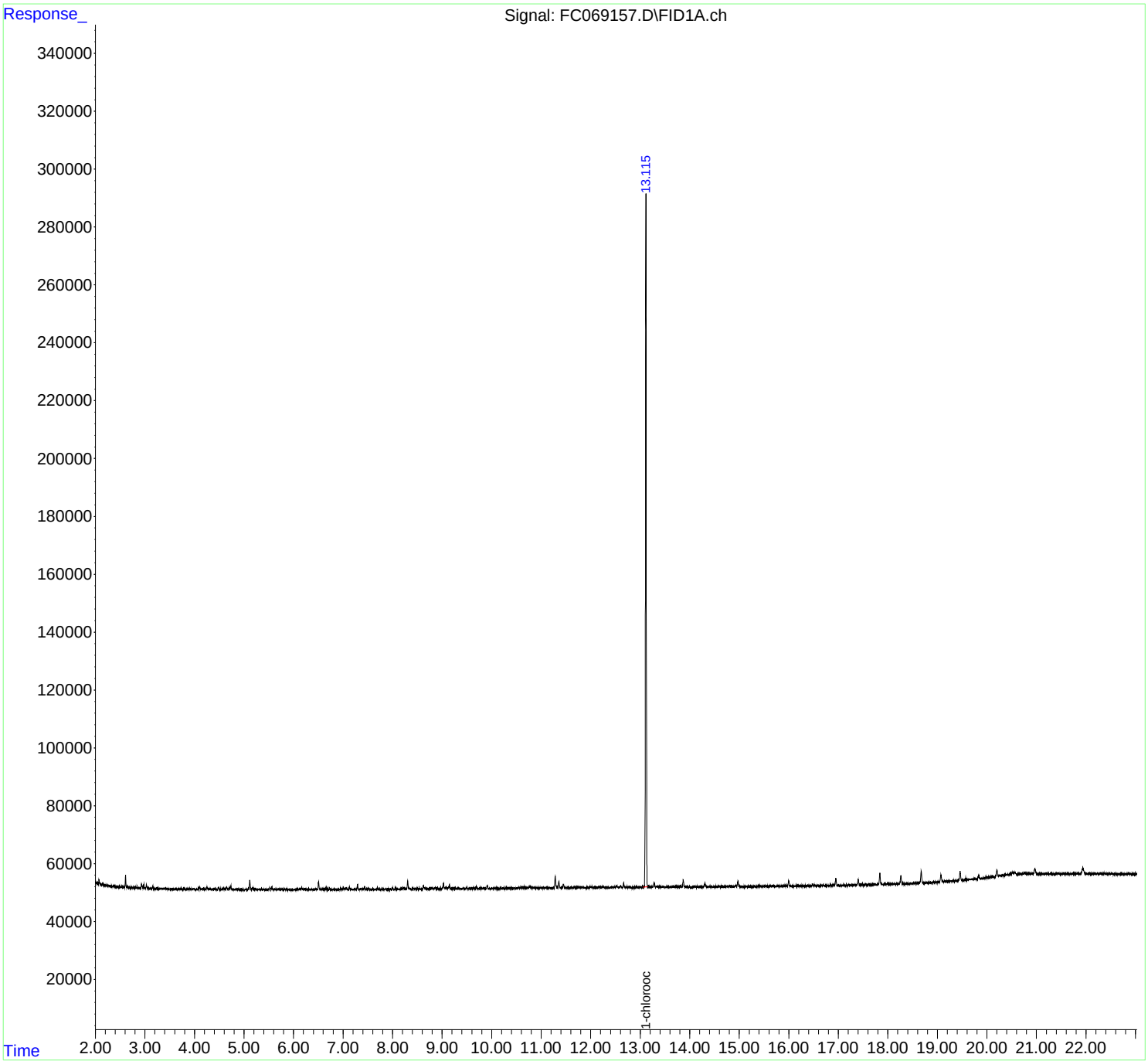
(f)=RT Delta > 1/2 Window (m)=manual int.

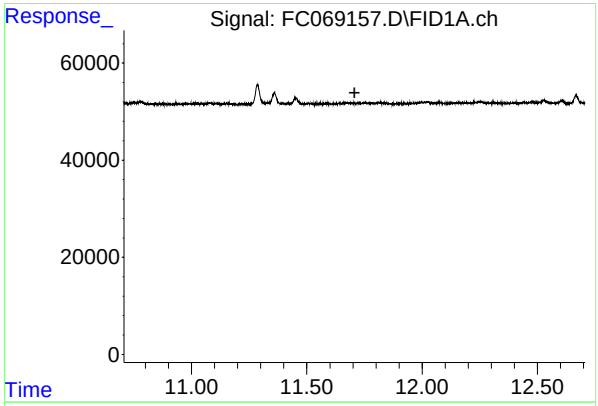
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 06:04:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

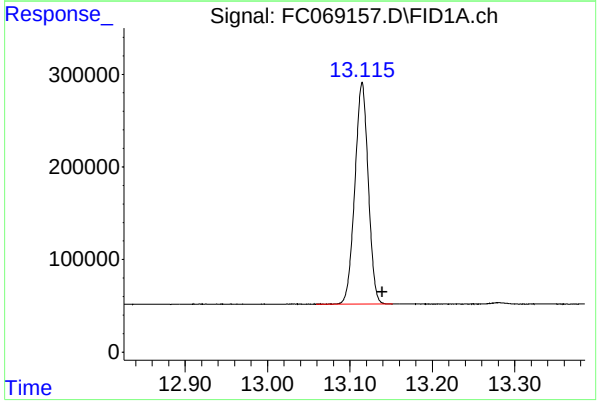




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB168408BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.025 min
Response: 2699214
Conc: 30.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	13.115	13.059	13.152	BB	240199	2699214	100.00%	100.000%

Sum of corrected areas: 2699214

Aliphatic EPH 052425.M Thu Jun 12 06:57:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 04:59:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	5580932	33.573 ug/ml
Spiked Amount 50.000		Recovery =	67.15%
6) S 2-Flurobiphenyl (SURR)	8.598	3722980	32.544 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	65.09%
11) S ortho-Terphenyl (SURR)	11.645	6306403	31.419 ug/ml
Spiked Amount 50.000		Recovery =	62.84%
Target Compounds			

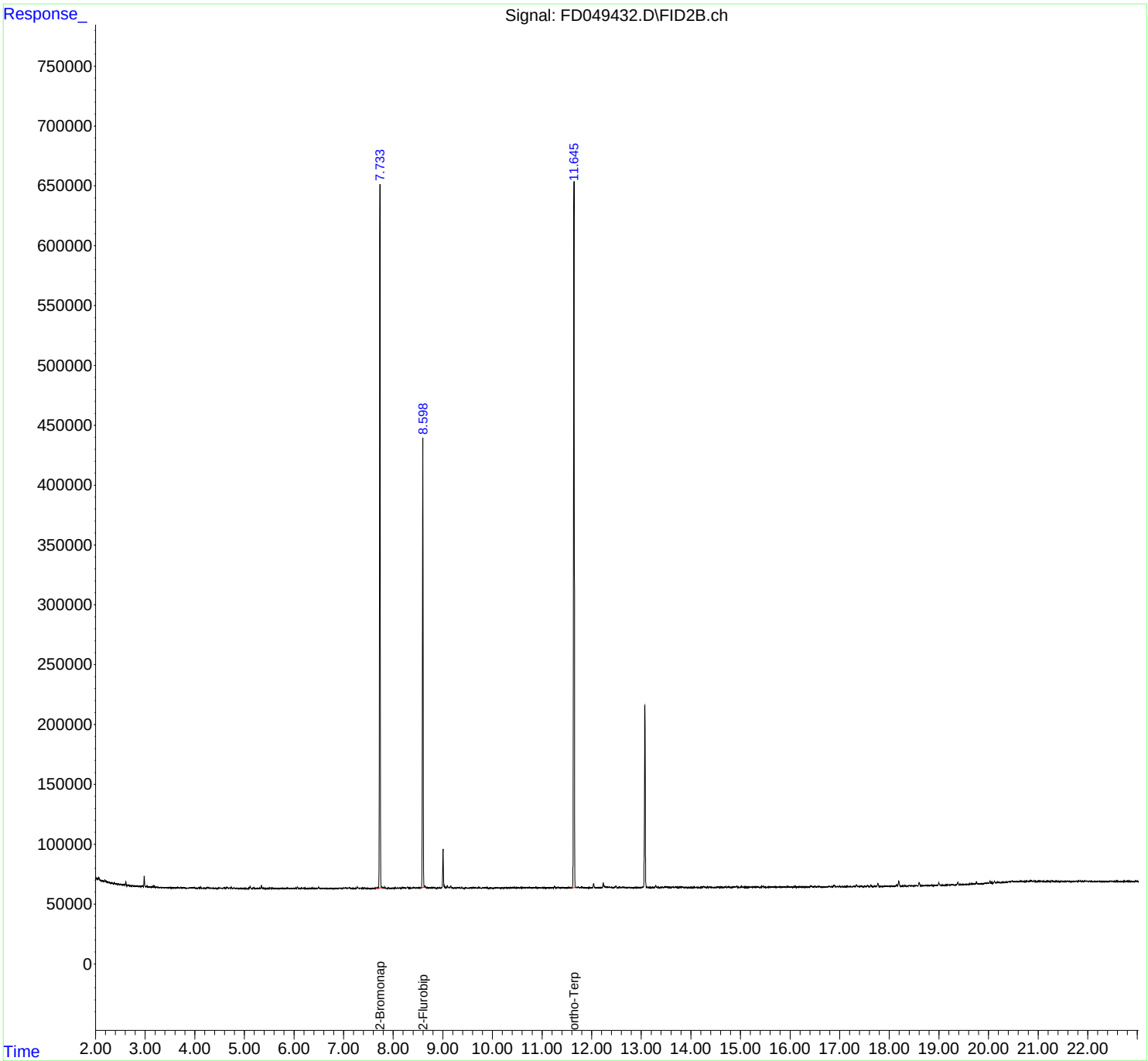
(f)=RT Delta > 1/2 Window (m)=manual int.

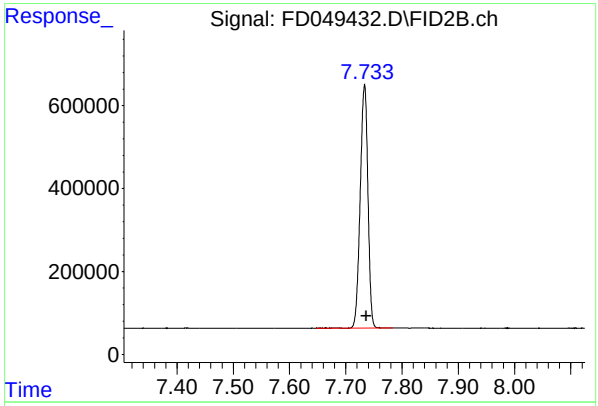
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 04:59:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

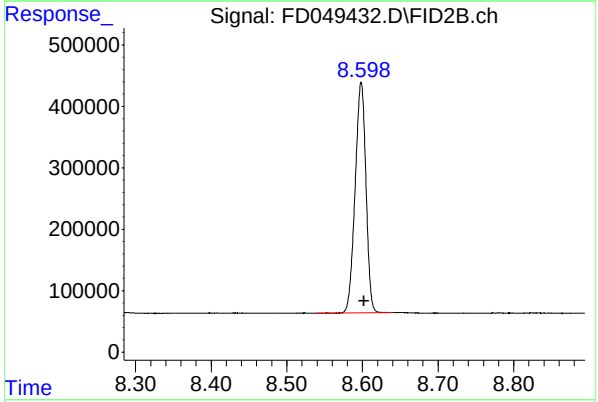




#4 2-Bromonaphthalene (SURR)

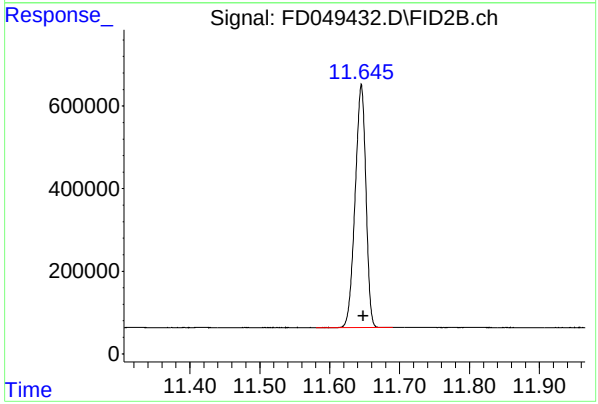
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5580932
Conc: 33.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168408BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.004 min
Response: 3722980
Conc: 32.54 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.003 min
Response: 6306403
Conc: 31.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	7.733	7.647	7.784	BB	588138	5580932	88.50%	35.752%
2	8.598	8.539	8.640	BB	375716	3722980	59.03%	23.849%
3	11.645	11.580	11.690	BB	589219	6306403	100.00%	40.399%
			Sum of corrected areas:			15610315		

Aromatic EPH 052425.M Thu Jun 12 05:38:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069135.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.113	3366566	37.526 ug/ml
Spiked Amount	50.000		Recovery =	75.05%
	Target Compounds			
1) T	n-Nonane (C9)	3.400	2217452	20.895 ug/ml
2) T	n-Decane (C10)	4.476	2679793	25.303 ug/ml
4) T	n-Dodecane (C12)	6.503	2953611	28.097 ug/ml
6) T	n-Tetradecane (C14)	8.303	3054731	29.801 ug/ml
7) T	n-Hexadecane (C16)	9.908	3236632	31.898 ug/ml
8) T	n-Octadecane (C18)	11.353	3312495	33.143 ug/mlm
10) T	n-Eicosane (C20)	12.666	3555373	36.504 ug/ml
11) T	n-Heneicosane (C21)	13.281	3487347	36.231 ug/ml
13) T	n-Docosane (C22)	13.868	3503194	36.772 ug/ml
14) T	n-Tetracosane (C24)	14.974	3529259	37.484 ug/ml
15) T	n-Hexacosane (C26)	15.997	3496699	37.663 ug/ml
16) T	n-Octacosane (C28)	16.949	3480519	37.444 ug/ml
17) T	n-Tricontane (C30)	17.839	3536231	36.547 ug/ml
18) T	n-Dotriacontane (C32)	18.674	3563259	35.957 ug/ml
19) T	n-Tetratriacontane (C34)	19.460	3578132	37.126 ug/ml
20) T	n-Hexatriacontane (C36)	20.202	3444828	36.288 ug/ml
21) T	n-Octatriacontane (C38)	20.972	3202447	35.101 ug/ml
22) T	n-Tetracontane (C40)	21.938	2598811	29.453 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

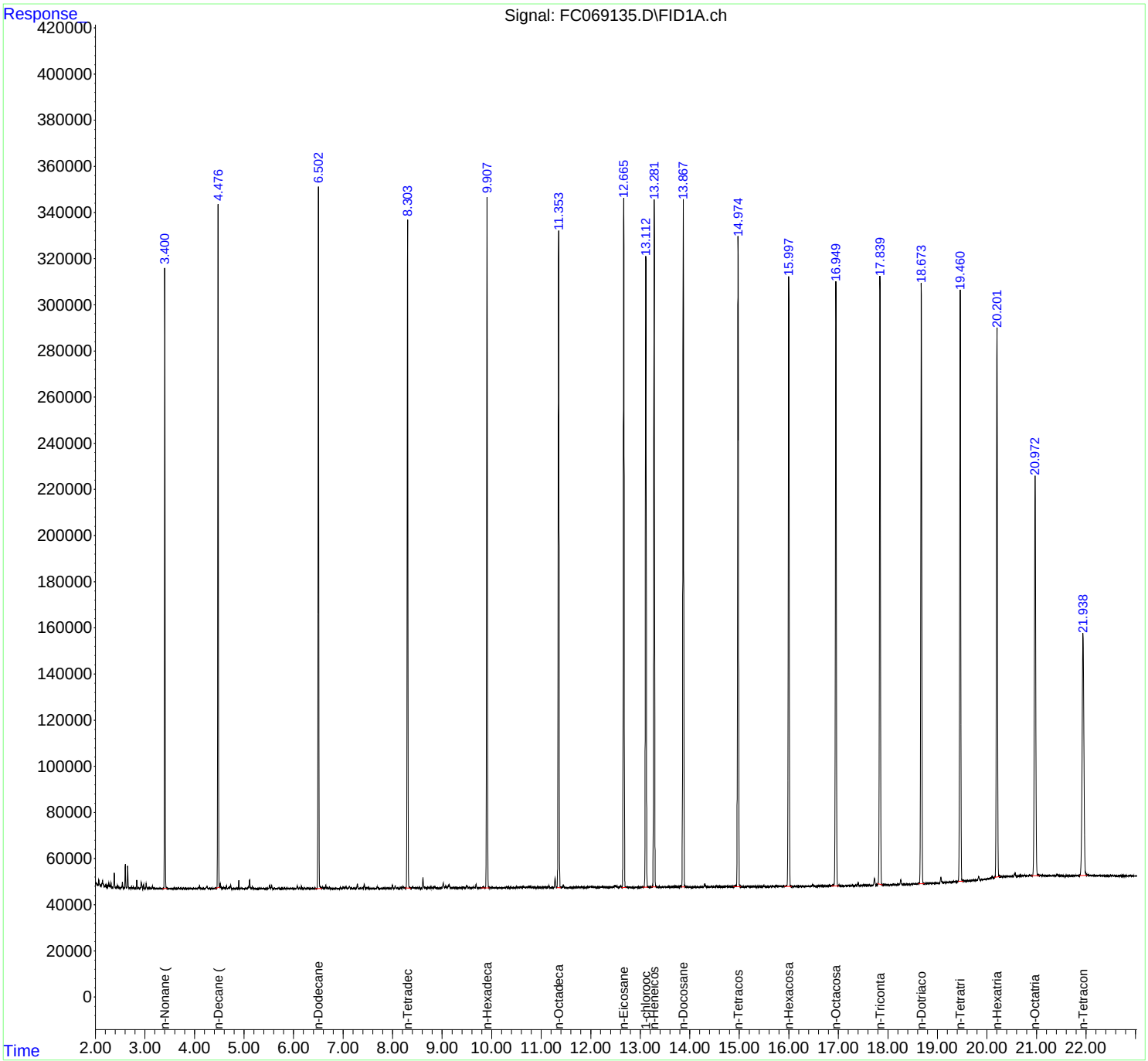
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069135.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



12

Instrument :
FID_C
ClientSampleId :
PB168324BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
Data File : FC069135.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:57
Sample : PB168324BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.400	3.350	3.447	BB	268489	2217452	61.97%	3.599%
2	4.476	4.420	4.505	BV	295574	2679793	74.89%	4.349%
3	6.503	6.442	6.573	BV	303942	2953611	82.55%	4.794%
4	8.303	8.243	8.365	BB	290305	3054731	85.37%	4.958%
5	9.908	9.783	9.958	BB	299159	3236632	90.46%	5.253%
6	11.353	11.330	11.393	BB	282366	3203643	89.53%	5.199%
7	12.666	12.628	12.718	BB	296226	3555373	99.36%	5.770%
8	13.113	13.043	13.158	BB	273202	3366566	94.09%	5.464%
9	13.281	13.220	13.322	BB	298888	3487347	97.46%	5.660%
10	13.868	13.831	13.912	PB	295831	3503194	97.91%	5.686%
11	14.974	14.883	15.032	BB	279346	3529259	98.63%	5.728%
12	15.997	15.907	16.062	BB	264550	3496699	97.72%	5.675%
13	16.949	16.865	17.005	BB	260642	3480519	97.27%	5.649%
14	17.839	17.800	17.895	BB	262743	3536231	98.83%	5.739%
15	18.674	18.617	18.732	BB	259724	3563259	99.58%	5.783%
16	19.460	19.420	19.518	BB	255549	3578132	100.00%	5.807%
17	20.202	20.160	20.257	BB	238494	3444828	96.27%	5.591%
18	20.972	20.892	21.055	BB	172990	3202447	89.50%	5.197%
19	21.939	21.890	22.025	BB	103816	2525611	70.58%	4.099%
			Sum of corrected areas:			61615327		

Aliphatic EPH 052425.M Tue Jun 10 06:18:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049416.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BS

Integration File: autoint1.e
Quant Time: Jun 10 02:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	5669143	34.103 ug/ml
	Spiked Amount 50.000		Recovery =	68.21%
6)	S 2-Flurobiphenyl (SURR)	8.599	3820043	33.393 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	66.79%
11)	S ortho-Terphenyl (SURR)	11.645	5766961	28.731 ug/ml
	Spiked Amount 50.000		Recovery =	57.46%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.526	3499901	21.997 ug/ml
2)	T Naphthalene (C11.7)	6.069	4112843	23.424 ug/ml
3)	T 2-Methylnaphthalene (...	7.122	3979003	22.273 ug/ml
5)	T Acenaphthylene (C15.06)	8.402	4730412	24.420 ug/ml
7)	T Acenaphthene (C15.5)	8.698	4743954	24.940 ug/ml
8)	T Flouorene (C16.55)	9.479	4948337	25.308 ug/ml
9)	T Phenanthrene (C19.36)	10.878	5042655	26.521 ug/ml
10)	T Anthracene (C19.43)	10.953	4835094	27.658 ug/ml
12)	T Fluoranthene (C21.85)	12.694	5127373	28.426 ug/ml
13)	T Pyrene (C20.8)	12.992	5142168	28.811 ug/ml
14)	T Benzo[a]anthracene (C...	14.864	4698120	30.911 ug/ml
15)	T Chrysene (C27.41)	14.908	5198728	34.235 ug/ml
16)	T benzo[b]fluoranthene ...	16.416	4812910	33.250 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.450	4763515	33.195 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.796	4620605	33.997 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.161	4649880	36.404 ug/ml
20)	T Dibenz[a,h]anthracene...	18.200	4146286	30.799 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.419	4491854	33.326 ug/ml

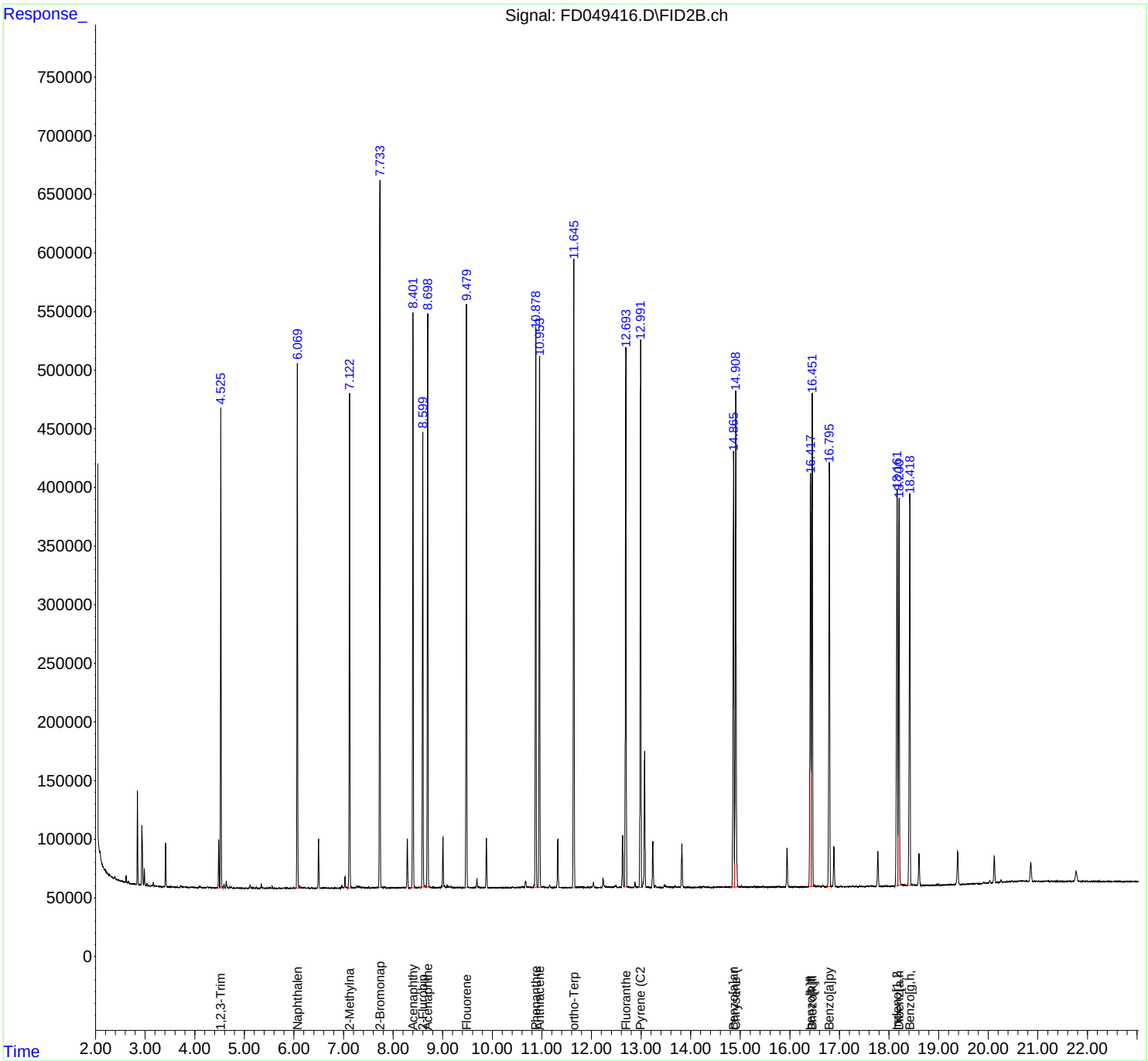
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049416.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BS

Integration File: autoint1.e
Quant Time: Jun 10 02:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD060925AR\
Data File : FD049416.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:57
Sample : PB168324BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.526	4.503	4.572	VV	409153	3499901	60.69%	3.542%
2	6.069	6.015	6.138	BB	446714	4112843	71.32%	4.163%
3	7.122	7.068	7.172	BB	420886	3979003	69.00%	4.027%
4	7.733	7.695	7.777	BB	602848	5669143	98.30%	5.738%
5	8.402	8.337	8.458	BB	490566	4730412	82.03%	4.788%
6	8.599	8.543	8.643	BB	386472	3820043	66.24%	3.866%
7	8.698	8.643	8.740	BB	488945	4743954	82.26%	4.802%
8	9.479	9.420	9.523	BB	498450	4948337	85.80%	5.008%
9	10.878	10.848	10.917	VV	476340	5042655	87.44%	5.104%
10	10.953	10.917	11.003	PB	453667	4835094	83.84%	4.894%
11	11.645	11.585	11.680	BB	535767	5766961	100.00%	5.837%
12	12.694	12.650	12.737	BB	459494	5127373	88.91%	5.190%
13	12.992	12.935	13.022	BV	467525	5142168	89.17%	5.205%
14	14.864	14.795	14.883	BV	373574	4698120	81.47%	4.755%
15	14.908	14.883	14.970	VB	423620	5198728	90.15%	5.262%
16	16.416	16.348	16.431	BV	353034	4812910	83.46%	4.871%
17	16.450	16.431	16.487	VB	418982	4763515	82.60%	4.821%
18	16.796	16.728	16.845	BB	362457	4620605	80.12%	4.677%
19	18.161	18.110	18.177	BV	338736	4649880	80.63%	4.706%
20	18.200	18.177	18.262	VB	330357	4146286	71.90%	4.197%
21	18.419	18.345	18.480	BB	333615	4491854	77.89%	4.546%
			Sum of corrected areas:			98799785		

Aromatic EPH 052425.M Tue Jun 10 02:58:33 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069158.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
Quant Time: Jun 12 06:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.116	3406395	37.970 ug/ml
Spiked Amount	50.000		Recovery =	75.94%
	Target Compounds			
1) T	n-Nonane (C9)	3.406	2230358	21.017 ug/ml
2) T	n-Decane (C10)	4.481	2689801	25.398 ug/ml
4) T	n-Dodecane (C12)	6.507	2958624	28.145 ug/ml
6) T	n-Tetradecane (C14)	8.306	3052905	29.783 ug/ml
7) T	n-Hexadecane (C16)	9.911	3231344	31.846 ug/ml
8) T	n-Octadecane (C18)	11.356	3268350	32.702 ug/ml
10) T	n-Eicosane (C20)	12.669	3555843	36.508 ug/ml
11) T	n-Heneicosane (C21)	13.283	3495201	36.313 ug/ml
13) T	n-Docosane (C22)	13.870	3515122	36.897 ug/ml
14) T	n-Tetracosane (C24)	14.975	3553253	37.739 ug/ml
15) T	n-Hexacosane (C26)	15.999	3528040	38.001 ug/ml
16) T	n-Octacosane (C28)	16.950	3538487	38.068 ug/ml
17) T	n-Tricontane (C30)	17.841	3631105	37.528 ug/ml
18) T	n-Dotriacontane (C32)	18.675	3683844	37.174 ug/ml
19) T	n-Tetratriacontane (C34)	19.460	3707841	38.471 ug/ml
20) T	n-Hexatriacontane (C36)	20.202	3584204	37.756 ug/ml
21) T	n-Octatriacontane (C38)	20.972	3356685	36.792 ug/ml
22) T	n-Tetracontane (C40)	21.937	2790032	31.621 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069158.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

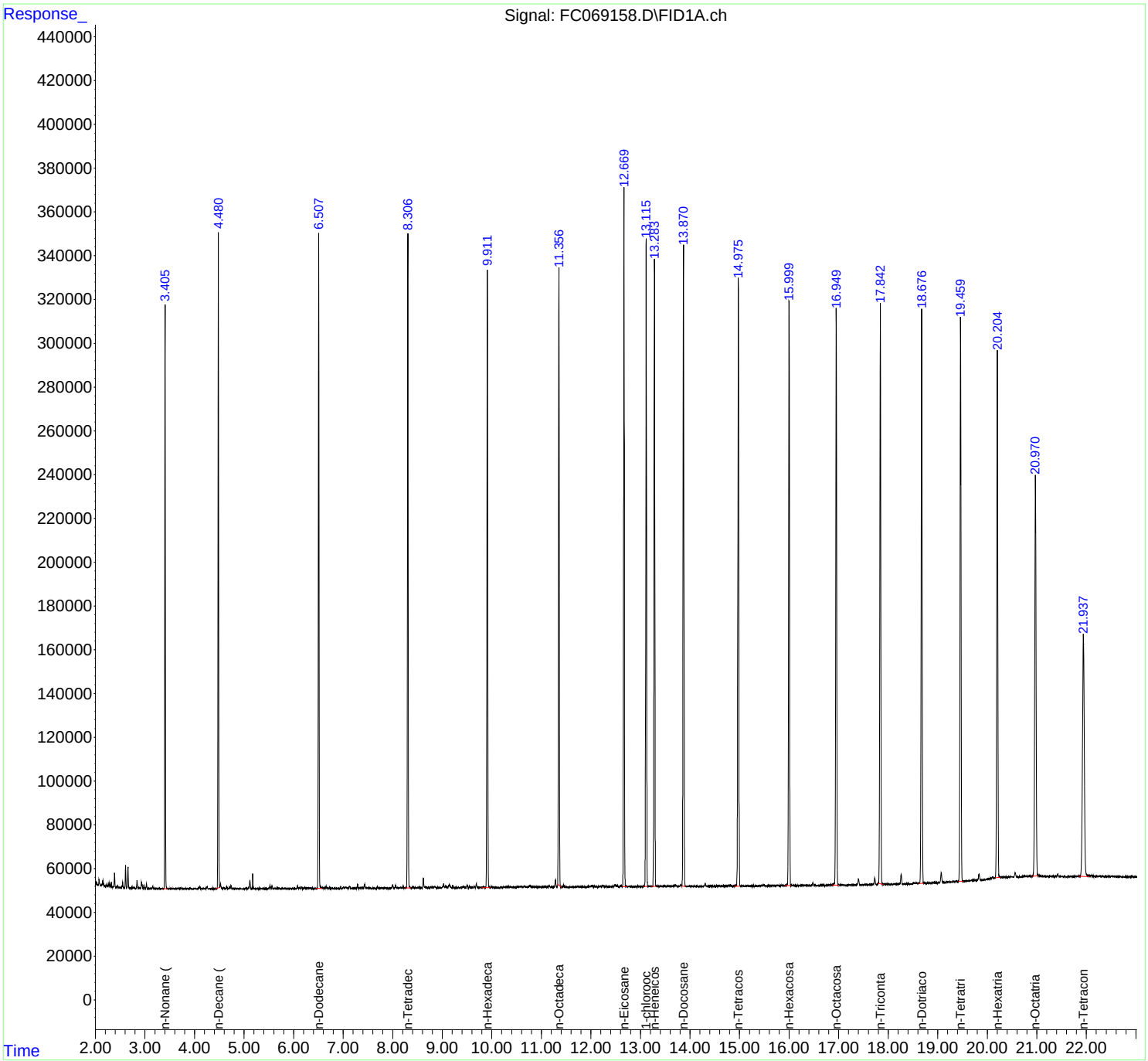
Integration File: autoint1.e
Quant Time: Jun 12 06:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
PB168408BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

12



12

Instrument :
FID_C
ClientSampleId :
PB168408BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069158.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:15
Sample : PB168408BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.406	3.357	3.455	BB	266450	2230358	60.15%	3.558%
2	4.481	4.425	4.510	BV	299559	2689801	72.54%	4.291%
3	6.507	6.454	6.575	BV	299429	2958624	79.79%	4.720%
4	8.306	8.250	8.370	BB	299312	3052905	82.34%	4.870%
5	9.911	9.789	9.964	BB	282715	3231344	87.15%	5.155%
6	11.356	11.330	11.402	BB	281502	3268350	88.15%	5.214%
7	12.669	12.635	12.722	BB	319268	3555843	95.90%	5.673%
8	13.116	13.055	13.149	BB	295023	3406395	91.87%	5.434%
9	13.283	13.222	13.322	BB	287284	3495201	94.27%	5.576%
10	13.870	13.834	13.922	VB	293199	3515122	94.80%	5.608%
11	14.975	14.885	15.015	BB	276778	3553253	95.83%	5.669%
12	15.999	15.907	16.039	BB	266689	3528040	95.15%	5.628%
13	16.950	16.869	17.010	BB	262331	3538487	95.43%	5.645%
14	17.841	17.800	17.897	BB	260306	3631105	97.93%	5.793%
15	18.675	18.620	18.722	BB	261621	3683844	99.35%	5.877%
16	19.460	19.420	19.520	BB	255205	3707841	100.00%	5.915%
17	20.202	20.160	20.264	BB	238937	3584204	96.67%	5.718%
18	20.972	20.897	21.035	BB	180794	3356685	90.53%	5.355%
19	21.939	21.890	22.037	BB	108723	2695479	72.70%	4.300%
			Sum of corrected areas:			62682879		

Aliphatic EPH 052425.M Thu Jun 12 06:57:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049433.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BS

Integration File: autoint1.e
Quant Time: Jun 12 04:59:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	6082670	36.591 ug/ml
	Spiked Amount 50.000		Recovery =	73.18%
6)	S 2-Flurobiphenyl (SURR)	8.599	4126519	36.072 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	72.14%
11)	S ortho-Terphenyl (SURR)	11.645	6218341	30.980 ug/ml
	Spiked Amount 50.000		Recovery =	61.96%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.525	3692267	23.207 ug/ml
2)	T Naphthalene (C11.7)	6.069	4344617	24.744 ug/ml
3)	T 2-Methylnaphthalene (...	7.123	4264479	23.871 ug/ml
5)	T Acenaphthylene (C15.06)	8.402	5052028	26.080 ug/ml
7)	T Acenaphthene (C15.5)	8.698	5074718	26.679 ug/ml
8)	T Flouorene (C16.55)	9.480	5343699	27.331 ug/ml
9)	T Phenanthrene (C19.36)	10.879	5496426	28.907 ug/ml
10)	T Anthracene (C19.43)	10.954	5281115	30.209 ug/ml
12)	T Fluoranthene (C21.85)	12.694	5534313	30.682 ug/ml
13)	T Pyrene (C20.8)	12.992	5531498	30.992 ug/ml
14)	T Benzo[a]anthracene (C...	14.863	5125382	33.722 ug/ml
15)	T Chrysene (C27.41)	14.907	5659378	37.268 ug/ml
16)	T benzo[b]fluoranthene ...	16.415	5140483	35.514 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.450	5082863	35.421 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.795	4906573	36.101 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.160	4985230	39.029 ug/ml
20)	T Dibenz[a,h]anthracene...	18.199	4577074	33.999 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.417	4762929	35.337 ug/ml

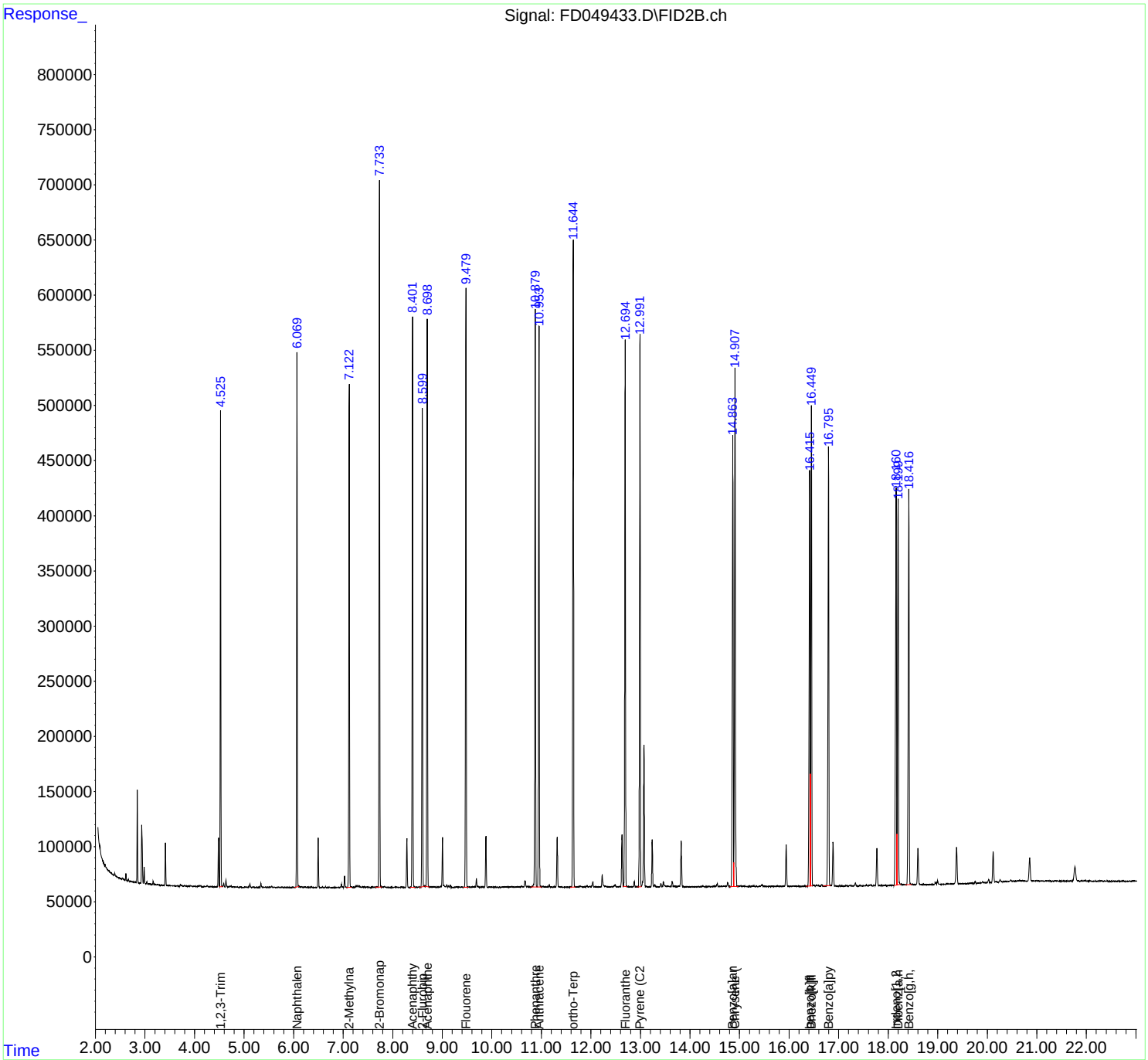
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049433.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BS

Integration File: autoint1.e
Quant Time: Jun 12 04:59:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD061225AR\
Data File : FD049433.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:15
Sample : PB168408BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.504	4.572	VV	431366	3692267	59.38%	3.474%
2	6.069	6.015	6.109	BB	483944	4344617	69.87%	4.088%
3	7.123	7.069	7.169	BB	455183	4264479	68.58%	4.012%
4	7.733	7.647	7.784	BB	640353	6082670	97.82%	5.723%
5	8.402	8.349	8.455	BB	517364	5052028	81.24%	4.753%
6	8.599	8.540	8.634	BB	432709	4126519	66.36%	3.883%
7	8.698	8.644	8.737	BB	515225	5074718	81.61%	4.775%
8	9.480	9.424	9.530	BB	543147	5343699	85.93%	5.028%
9	10.879	10.780	10.917	BV	524200	5496426	88.39%	5.172%
10	10.954	10.917	11.004	PB	508824	5281115	84.93%	4.969%
11	11.645	11.582	11.692	BB	587385	6218341	100.00%	5.851%
12	12.694	12.650	12.725	BB	495827	5534313	89.00%	5.207%
13	12.992	12.930	13.017	BV	501509	5531498	88.95%	5.205%
14	14.863	14.802	14.882	BV	409665	5125382	82.42%	4.822%
15	14.907	14.882	14.967	VB	470270	5659378	91.01%	5.325%
16	16.415	16.345	16.430	BV	376758	5140483	82.67%	4.837%
17	16.450	16.430	16.481	VB	433953	5082863	81.74%	4.782%
18	16.795	16.687	16.839	BB	398663	4906573	78.90%	4.617%
19	18.160	18.110	18.176	BV	359869	4985230	80.17%	4.691%
20	18.199	18.176	18.250	VB	348557	4577074	73.61%	4.307%
21	18.417	18.344	18.474	BB	358730	4762929	76.59%	4.481%

Sum of corrected areas: 106282602

Aromatic EPH 052425.M Thu Jun 12 05:40:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069136.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.114	3493029	38.935 ug/ml
Spiked Amount	50.000		Recovery =	77.87%
	Target Compounds			
1) T	n-Nonane (C9)	3.401	2327293	21.930 ug/ml
2) T	n-Decane (C10)	4.476	2813430	26.565 ug/ml
4) T	n-Dodecane (C12)	6.502	3093089	29.424 ug/ml
6) T	n-Tetradecane (C14)	8.302	3187020	31.092 ug/ml
7) T	n-Hexadecane (C16)	9.908	3360821	33.122 ug/ml
8) T	n-Octadecane (C18)	11.352	3424204	34.261 ug/mlm
10) T	n-Eicosane (C20)	12.668	3665722	37.637 ug/ml
11) T	n-Heneicosane (C21)	13.281	3589570	37.293 ug/ml
13) T	n-Docosane (C22)	13.869	3602528	37.814 ug/ml
14) T	n-Tetracosane (C24)	14.974	3622735	38.477 ug/ml
15) T	n-Hexacosane (C26)	15.997	3574251	38.498 ug/ml
16) T	n-Octacosane (C28)	16.949	3545854	38.147 ug/ml
17) T	n-Tricontane (C30)	17.839	3586320	37.065 ug/ml
18) T	n-Dotriacontane (C32)	18.673	3613612	36.465 ug/ml
19) T	n-Tetratriacontane (C34)	19.460	3648561	37.856 ug/ml
20) T	n-Hexatriacontane (C36)	20.202	3586181	37.777 ug/ml
21) T	n-Octatriacontane (C38)	20.973	3483420	38.181 ug/ml
22) T	n-Tetracontane (C40)	21.942	3122908	35.393 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

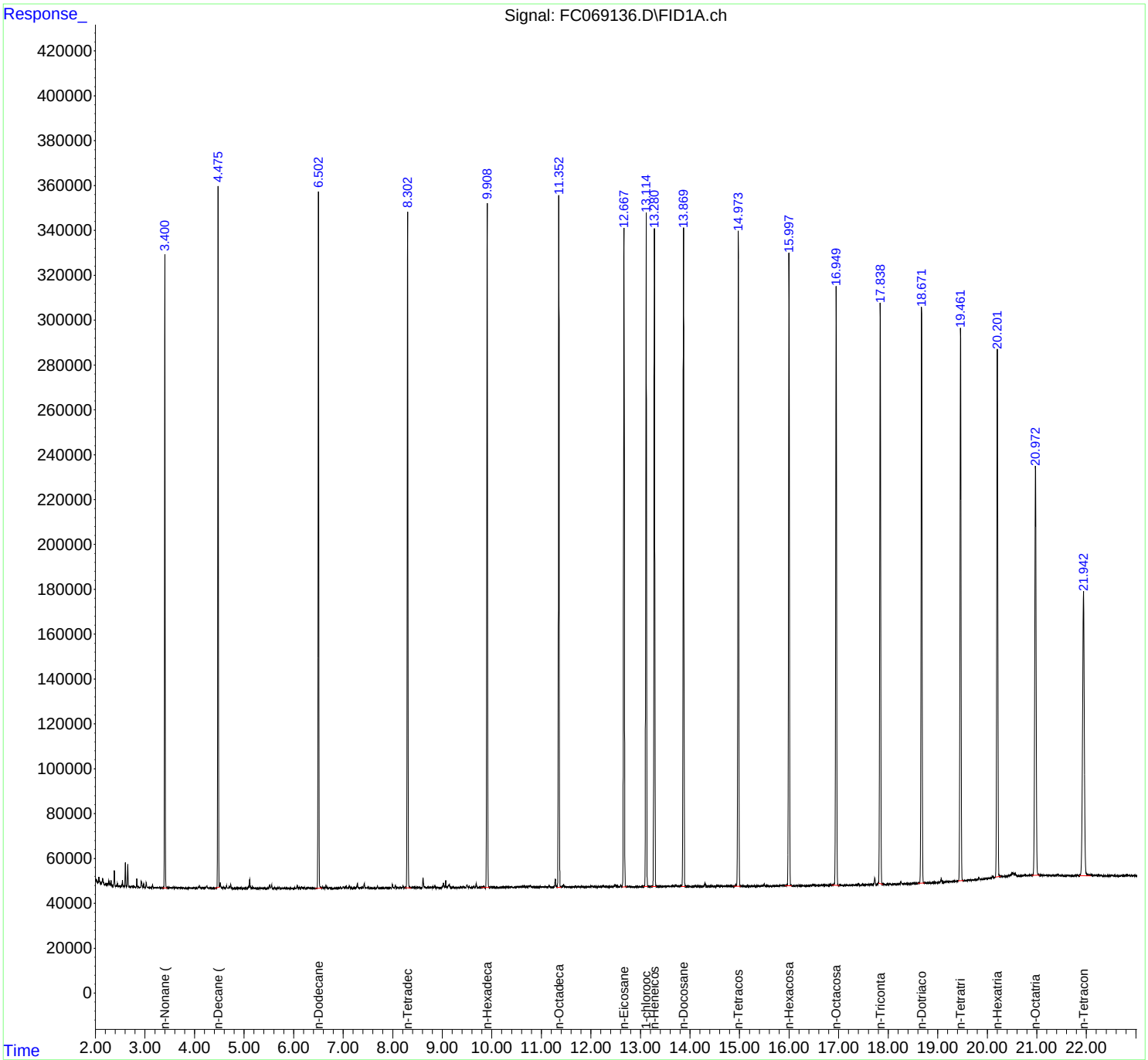
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069136.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



12

Instrument :
FID_C
ClientSampleId :
PB168324BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
Data File : FC069136.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 17:37
Sample : PB168324BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.401	3.350	3.442	BB	281841	2327293	63.49%	3.628%
2	4.476	4.420	4.505	BV	312351	2813430	76.75%	4.386%
3	6.502	6.438	6.570	BB	310472	3093089	84.38%	4.822%
4	8.302	8.247	8.367	BB	301374	3187020	86.94%	4.968%
5	9.908	9.787	9.955	BB	305496	3360821	91.68%	5.239%
6	11.353	11.330	11.392	BB	302141	3341075	91.14%	5.208%
7	12.668	12.630	12.722	PB	294857	3665722	100.00%	5.714%
8	13.114	13.055	13.153	BB	301455	3493029	95.29%	5.445%
9	13.281	13.218	13.318	BB	293906	3589570	97.92%	5.596%
10	13.869	13.831	13.913	VB	292257	3602528	98.28%	5.616%
11	14.974	14.880	15.018	BB	292026	3622735	98.83%	5.647%
12	15.997	15.915	16.057	BB	281923	3574251	97.50%	5.572%
13	16.949	16.865	17.013	BB	266529	3545854	96.73%	5.527%
14	17.839	17.800	17.897	BB	258501	3586320	97.83%	5.590%
15	18.673	18.598	18.728	BB	252605	3613612	98.58%	5.633%
16	19.460	19.420	19.520	BB	246067	3648561	99.53%	5.688%
17	20.202	20.160	20.268	BB	234644	3586181	97.83%	5.590%
18	20.973	20.893	21.055	BB	181895	3483420	95.03%	5.430%
19	21.942	21.890	22.040	BB	125617	3015844	82.27%	4.701%
			Sum of corrected areas:			64150354		

Aliphatic EPH 052425.M Tue Jun 10 06:18:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049417.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BSD

Integration File: autoint1.e
Quant Time: Jun 10 02:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	5235013	31.492 ug/ml
	Spiked Amount 50.000		Recovery =	62.98%
6)	S 2-Flurobiphenyl (SURR)	8.598	3547472	31.010 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	62.02%
11)	S ortho-Terphenyl (SURR)	11.644	5354384	26.676 ug/ml
	Spiked Amount 50.000		Recovery =	53.35%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.525	3225620	20.274 ug/ml
2)	T Naphthalene (C11.7)	6.067	3770705	21.475 ug/ml
3)	T 2-Methylnaphthalene (...	7.121	3683509	20.619 ug/ml
5)	T Acenaphthylene (C15.06)	8.401	4361706	22.516 ug/ml
7)	T Acenaphthene (C15.5)	8.697	4385346	23.054 ug/ml
8)	T Flouorene (C16.55)	9.479	4596241	23.508 ug/ml
9)	T Phenanthrene (C19.36)	10.878	4729941	24.876 ug/ml
10)	T Anthracene (C19.43)	10.953	4554391	26.052 ug/ml
12)	T Fluoranthene (C21.85)	12.693	4803640	26.631 ug/ml
13)	T Pyrene (C20.8)	12.991	4810183	26.951 ug/ml
14)	T Benzo[a]anthracene (C...	14.863	4485779	29.514 ug/ml
15)	T Chrysene (C27.41)	14.907	4951080	32.604 ug/ml
16)	T benzo[b]fluoranthene ...	16.416	4552141	31.449 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.450	4524513	31.530 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.796	4380687	32.231 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.162	4507749	35.291 ug/ml
20)	T Dibenz[a,h]anthracene...	18.200	4143409	30.777 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.418	4294233	31.860 ug/ml

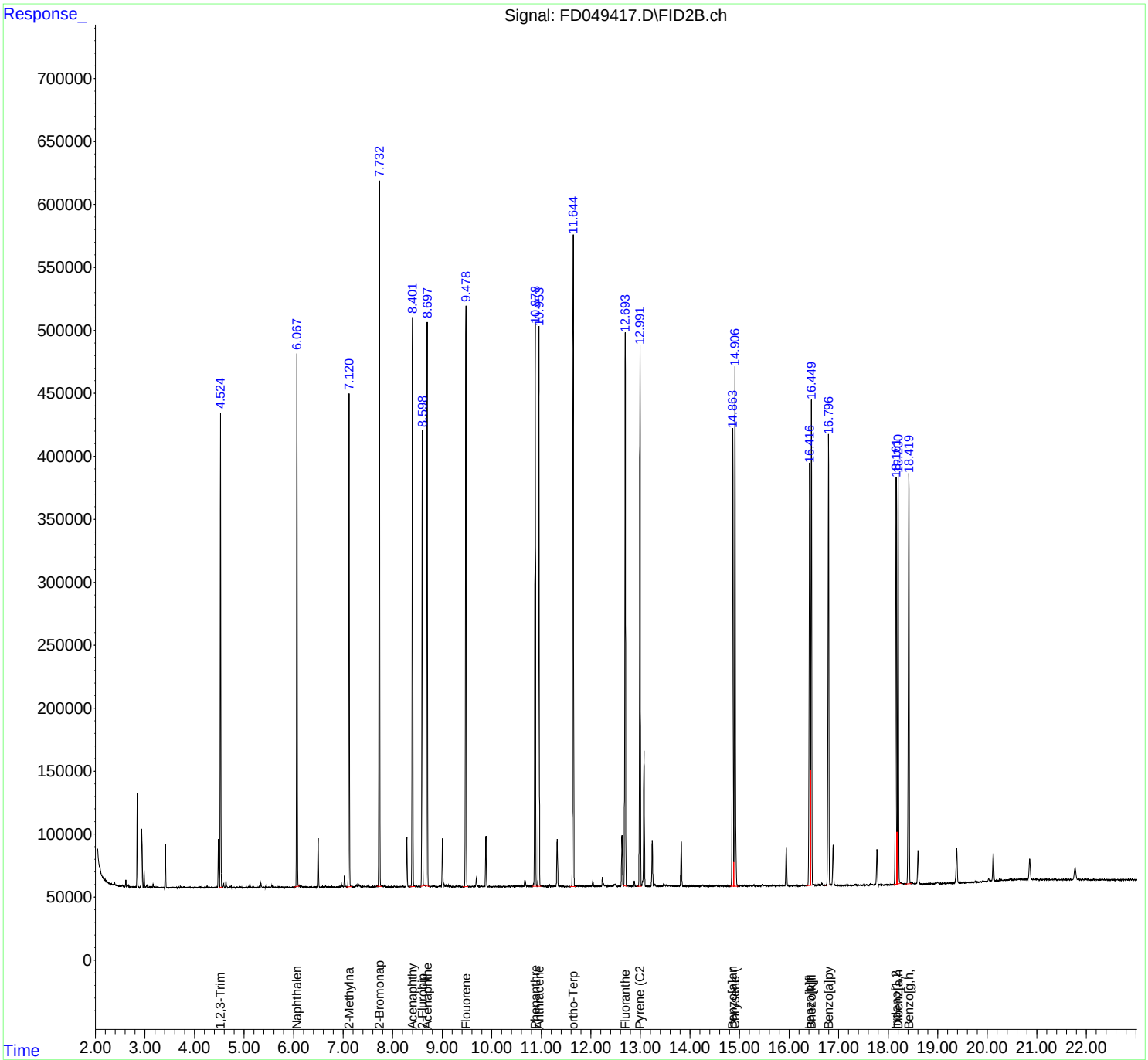
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049417.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BSD

Integration File: autoint1.e
Quant Time: Jun 10 02:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD060925AR\
Data File : FD049417.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 17:37
Sample : PB168324BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.503	4.570	VV	377100	3225620	60.24%	3.472%
2	6.067	6.015	6.117	BB	422456	3770705	70.42%	4.059%
3	7.121	7.068	7.173	BB	390047	3683509	68.79%	3.965%
4	7.733	7.680	7.787	BB	558343	5235013	97.77%	5.635%
5	8.401	8.348	8.450	BB	451894	4361706	81.46%	4.695%
6	8.598	8.563	8.642	BB	361515	3547472	66.25%	3.819%
7	8.697	8.647	8.742	BB	448124	4385346	81.90%	4.721%
8	9.479	9.418	9.523	BB	459863	4596241	85.84%	4.948%
9	10.878	10.802	10.917	BV	448399	4729941	88.34%	5.092%
10	10.953	10.917	10.995	PB	444611	4554391	85.06%	4.903%
11	11.644	11.575	11.692	BB	516473	5354384	100.00%	5.764%
12	12.693	12.650	12.725	BB	438187	4803640	89.71%	5.171%
13	12.991	12.930	13.019	BV	431776	4810183	89.84%	5.178%
14	14.863	14.803	14.883	BV	363464	4485779	83.78%	4.829%
15	14.907	14.883	14.972	VB	412841	4951080	92.47%	5.330%
16	16.416	16.348	16.431	BV	335577	4552141	85.02%	4.900%
17	16.450	16.431	16.487	VV	385449	4524513	84.50%	4.870%
18	16.796	16.732	16.838	BB	358592	4380687	81.81%	4.716%
19	18.162	18.110	18.178	BV	322941	4507749	84.19%	4.852%
20	18.200	18.178	18.262	VB	325556	4143409	77.38%	4.460%
21	18.418	18.345	18.472	BB	325147	4294233	80.20%	4.623%
			Sum of corrected areas:			92897744		

Aromatic EPH 052425.M Tue Jun 10 02:59:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069159.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:57
Operator : YP/AJ
Sample : PB168408BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
Quant Time: Jun 12 06:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.115	3465185	38.625 ug/ml
Spiked Amount	50.000		Recovery =	77.25%
	Target Compounds			
1) T	n-Nonane (C9)	3.406	2259686	21.293 ug/ml
2) T	n-Decane (C10)	4.480	2725623	25.736 ug/ml
4) T	n-Dodecane (C12)	6.506	3002002	28.557 ug/ml
6) T	n-Tetradecane (C14)	8.305	3089908	30.144 ug/ml
7) T	n-Hexadecane (C16)	9.910	3261116	32.140 ug/ml
8) T	n-Octadecane (C18)	11.355	3332929	33.348 ug/mlm
10) T	n-Eicosane (C20)	12.668	3588430	36.843 ug/ml
11) T	n-Heneicosane (C21)	13.282	3526278	36.636 ug/ml
13) T	n-Docosane (C22)	13.869	3548367	37.246 ug/ml
14) T	n-Tetracosane (C24)	14.974	3595477	38.188 ug/ml
15) T	n-Hexacosane (C26)	15.999	3569762	38.450 ug/ml
16) T	n-Octacosane (C28)	16.950	3570341	38.410 ug/ml
17) T	n-Tricontane (C30)	17.840	3651998	37.744 ug/ml
18) T	n-Dotriacontane (C32)	18.674	3697035	37.307 ug/ml
19) T	n-Tetratriacontane (C34)	19.461	3735390	38.757 ug/ml
20) T	n-Hexatriacontane (C36)	20.202	3662913	38.586 ug/ml
21) T	n-Octatriacontane (C38)	20.972	3539927	38.800 ug/ml
22) T	n-Tetracontane (C40)	21.941	3141718	35.606 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

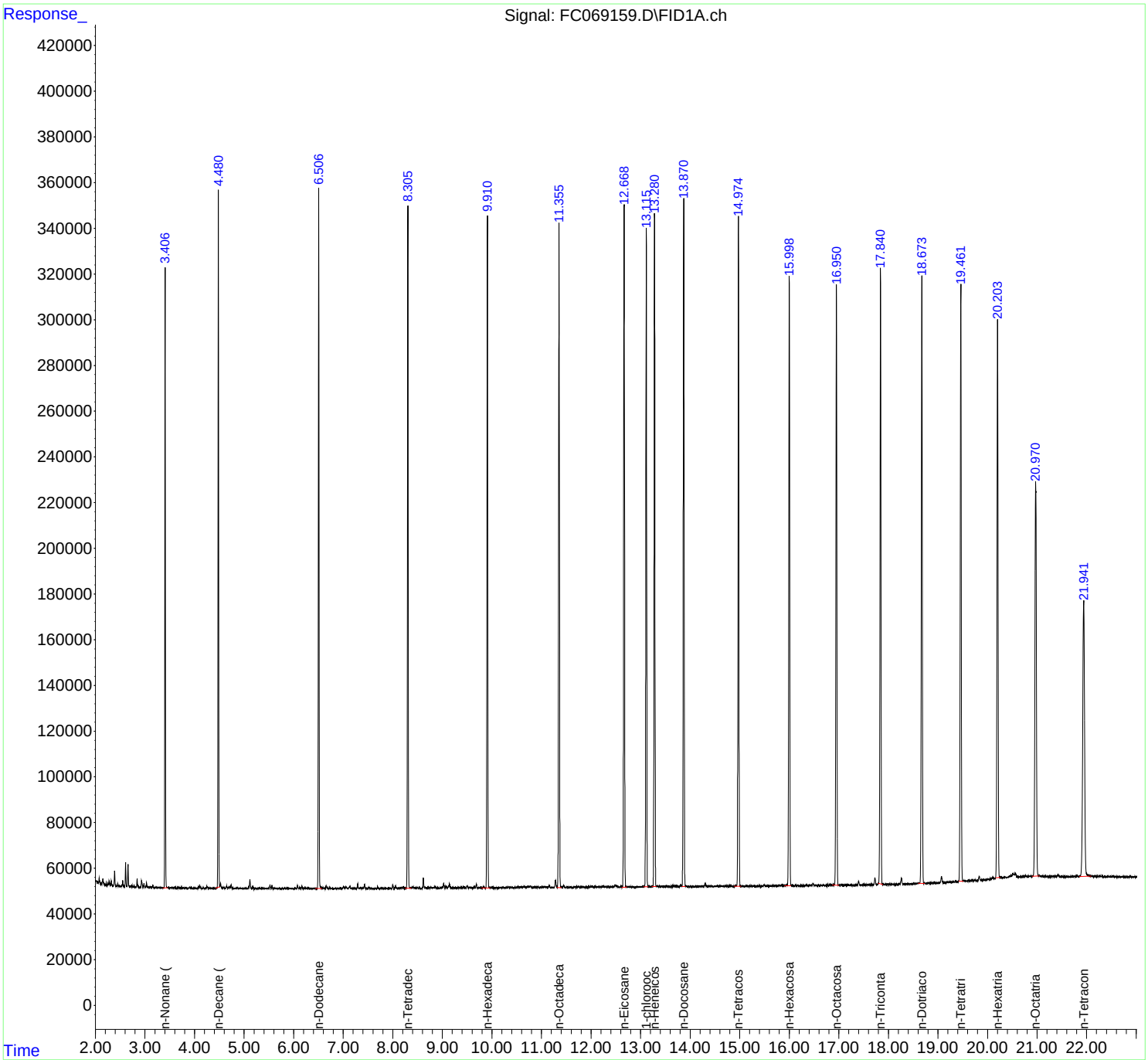
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069159.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:57
Operator : YP/AJ
Sample : PB168408BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 12 06:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
PB168408BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



12

Instrument :
FID_C
ClientSampleId :
PB168408BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069159.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:57
Sample : PB168408BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.406	3.355	3.457	BB	270640	2259686	60.49%	3.543%
2	4.480	4.425	4.510	BV	304688	2725623	72.97%	4.274%
3	6.506	6.442	6.573	BB	306860	3002002	80.37%	4.707%
4	8.305	8.252	8.368	BB	298267	3089908	82.72%	4.845%
5	9.910	9.788	9.963	BB	294226	3261116	87.30%	5.113%
6	11.355	11.330	11.402	BB	289391	3274806	87.67%	5.135%
7	12.668	12.627	12.720	PB	300038	3588430	96.07%	5.627%
8	13.115	13.055	13.150	BB	287842	3465185	92.77%	5.433%
9	13.282	13.223	13.320	BB	292085	3526278	94.40%	5.529%
10	13.869	13.831	13.908	PB	303197	3548367	94.99%	5.564%
11	14.974	14.885	15.030	BB	293241	3595477	96.25%	5.638%
12	15.999	15.905	16.037	BB	267266	3569762	95.57%	5.597%
13	16.950	16.865	17.005	BB	262631	3570341	95.58%	5.598%
14	17.840	17.800	17.895	BB	269117	3651998	97.77%	5.726%
15	18.674	18.598	18.737	BB	265201	3697035	98.97%	5.797%
16	19.461	19.420	19.508	BB	260286	3735390	100.00%	5.857%
17	20.202	20.160	20.258	BB	242842	3662913	98.06%	5.743%
18	20.972	20.895	21.048	BB	170513	3539927	94.77%	5.550%
19	21.941	21.890	22.048	BB	118535	3012966	80.66%	4.724%
			Sum of corrected areas:			63777209		

Aliphatic EPH 052425.M Thu Jun 12 06:58:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049434.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:57
Operator : YP/AJ
Sample : PB168408BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BSD

Integration File: autoint1.e
Quant Time: Jun 12 04:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.732	5575880	33.542	ug/ml
Spiked Amount	50.000		Recovery =	67.08%	
6)	S 2-Flurobiphenyl (SURR)	8.598	3792496	33.152	ug/ml
Spiked Amount	50.000 Range 0 - 131		Recovery =	66.30%	
11)	S ortho-Terphenyl (SURR)	11.643	5678306	28.290	ug/ml
Spiked Amount	50.000		Recovery =	56.58%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.525	3411733	21.443	ug/ml
2)	T Naphthalene (C11.7)	6.068	4008193	22.828	ug/ml
3)	T 2-Methylnaphthalene (...	7.122	3923959	21.965	ug/ml
5)	T Acenaphthylene (C15.06)	8.401	4615942	23.829	ug/ml
7)	T Acenaphthene (C15.5)	8.697	4650906	24.451	ug/ml
8)	T Flouorene (C16.55)	9.478	4894839	25.035	ug/ml
9)	T Phenanthrene (C19.36)	10.877	5044883	26.532	ug/ml
10)	T Anthracene (C19.43)	10.952	4860253	27.801	ug/ml
12)	T Fluoranthene (C21.85)	12.692	5099467	28.271	ug/ml
13)	T Pyrene (C20.8)	12.990	5104528	28.600	ug/ml
14)	T Benzo[a]anthracene (C...	14.863	4803591	31.605	ug/ml
15)	T Chrysene (C27.41)	14.906	5280312	34.772	ug/ml
16)	T benzo[b]fluoranthene ...	16.414	4810805	33.236	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.449	4785489	33.348	ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.794	4627157	34.045	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.161	4768815	37.335	ug/ml
20)	T Dibenz[a,h]anthracene...	18.199	4476908	33.255	ug/ml
21)	T Benzo[g,h,i]perylene ...	18.416	4514892	33.497	ug/ml

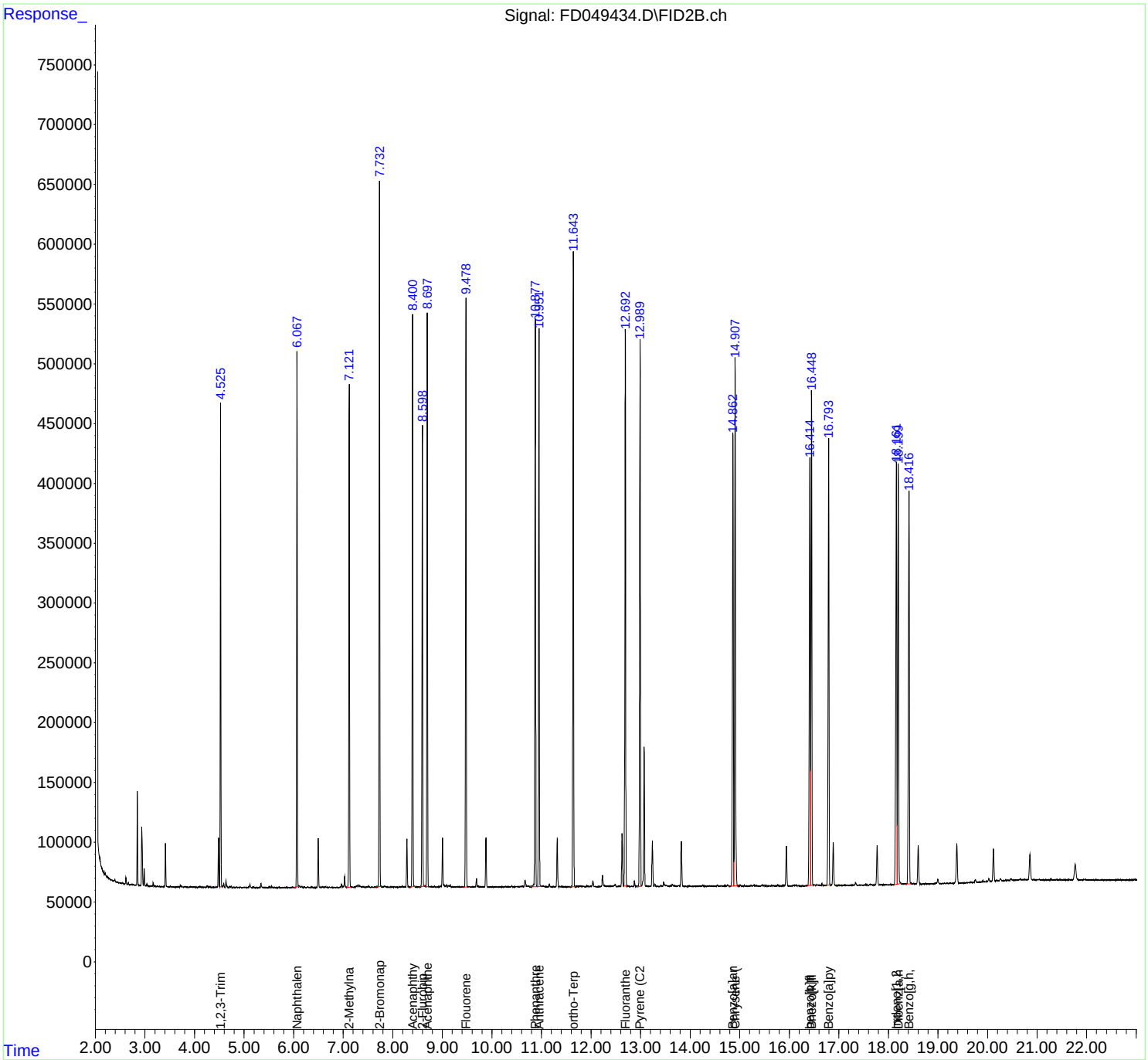
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049434.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:57
Operator : YP/AJ
Sample : PB168408BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BSD

Integration File: autoint1.e
Quant Time: Jun 12 04:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD061225AR\
Data File : FD049434.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:57
Sample : PB168408BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.503	4.551	VV	404430	3411733	60.08%	3.456%
2	6.068	6.012	6.107	BB	447788	4008193	70.59%	4.060%
3	7.122	7.070	7.160	BB	420101	3923959	69.10%	3.974%
4	7.732	7.645	7.778	BB	588507	5575880	98.20%	5.648%
5	8.401	8.350	8.443	BB	479001	4615942	81.29%	4.675%
6	8.598	8.538	8.640	BB	385737	3792496	66.79%	3.841%
7	8.697	8.647	8.727	BB	479926	4650906	81.91%	4.711%
8	9.478	9.417	9.513	BB	491510	4894839	86.20%	4.958%
9	10.877	10.778	10.915	BV	474293	5044883	88.84%	5.110%
10	10.952	10.915	10.998	PB	466393	4860253	85.59%	4.923%
11	11.643	11.582	11.688	BB	531375	5678306	100.00%	5.751%
12	12.692	12.650	12.732	BB	464799	5099467	89.81%	5.165%
13	12.990	12.932	13.015	BV	457377	5104528	89.90%	5.170%
14	14.863	14.797	14.882	BV	378192	4803591	84.60%	4.865%
15	14.906	14.882	14.963	VB	441990	5280312	92.99%	5.348%
16	16.414	16.350	16.429	BV	357432	4810805	84.72%	4.873%
17	16.449	16.429	16.483	VB	413478	4785489	84.28%	4.847%
18	16.794	16.732	16.837	BB	373242	4627157	81.49%	4.687%
19	18.161	18.110	18.176	BV	352299	4768815	83.98%	4.830%
20	18.199	18.176	18.255	VB	352003	4476908	78.84%	4.535%
21	18.416	18.352	18.465	BB	328881	4514892	79.51%	4.573%
			Sum of corrected areas:			98729354		

Aromatic EPH 052425.M Thu Jun 12 05:41:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069165.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:09
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
Quant Time: Jun 12 06:06:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.118	6218026	69.309 ug/ml
Spiked Amount	50.000		Recovery =	138.62%
	Target Compounds			
1) T	n-Nonane (C9)	3.404	2188921	20.626 ug/ml
2) T	n-Decane (C10)	4.479	2684592	25.349 ug/mlm
4) T	n-Dodecane (C12)	6.507	3278980	31.192 ug/ml
6) T	n-Tetradecane (C14)	8.308	3646211	35.572 ug/ml
7) T	n-Hexadecane (C16)	9.912	3471433	34.212 ug/ml
8) T	n-Octadecane (C18)	11.357	3441548	34.435 ug/ml
10) T	n-Eicosane (C20)	12.669	3494770	35.881 ug/ml
11) T	n-Heneicosane (C21)	13.283	3333560	34.633 ug/ml
13) T	n-Docosane (C22)	13.869	3315435	34.801 ug/ml
14) T	n-Tetracosane (C24)	14.975	3310877	35.165 ug/ml
15) T	n-Hexacosane (C26)	15.998	3253315	35.042 ug/ml
16) T	n-Octacosane (C28)	16.950	3224546	34.690 ug/ml
17) T	n-Tricontane (C30)	17.839	3233820	33.422 ug/ml
18) T	n-Dotriacontane (C32)	18.673	3264137	32.938 ug/ml
19) T	n-Tetratriacontane (C34)	19.459	3307215	34.315 ug/ml
20) T	n-Hexatriacontane (C36)	20.201	3214033	33.857 ug/ml
21) T	n-Octatriacontane (C38)	20.969	3075733	33.712 ug/ml
22) T	n-Tetracontane (C40)	21.936	2660293	30.150 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

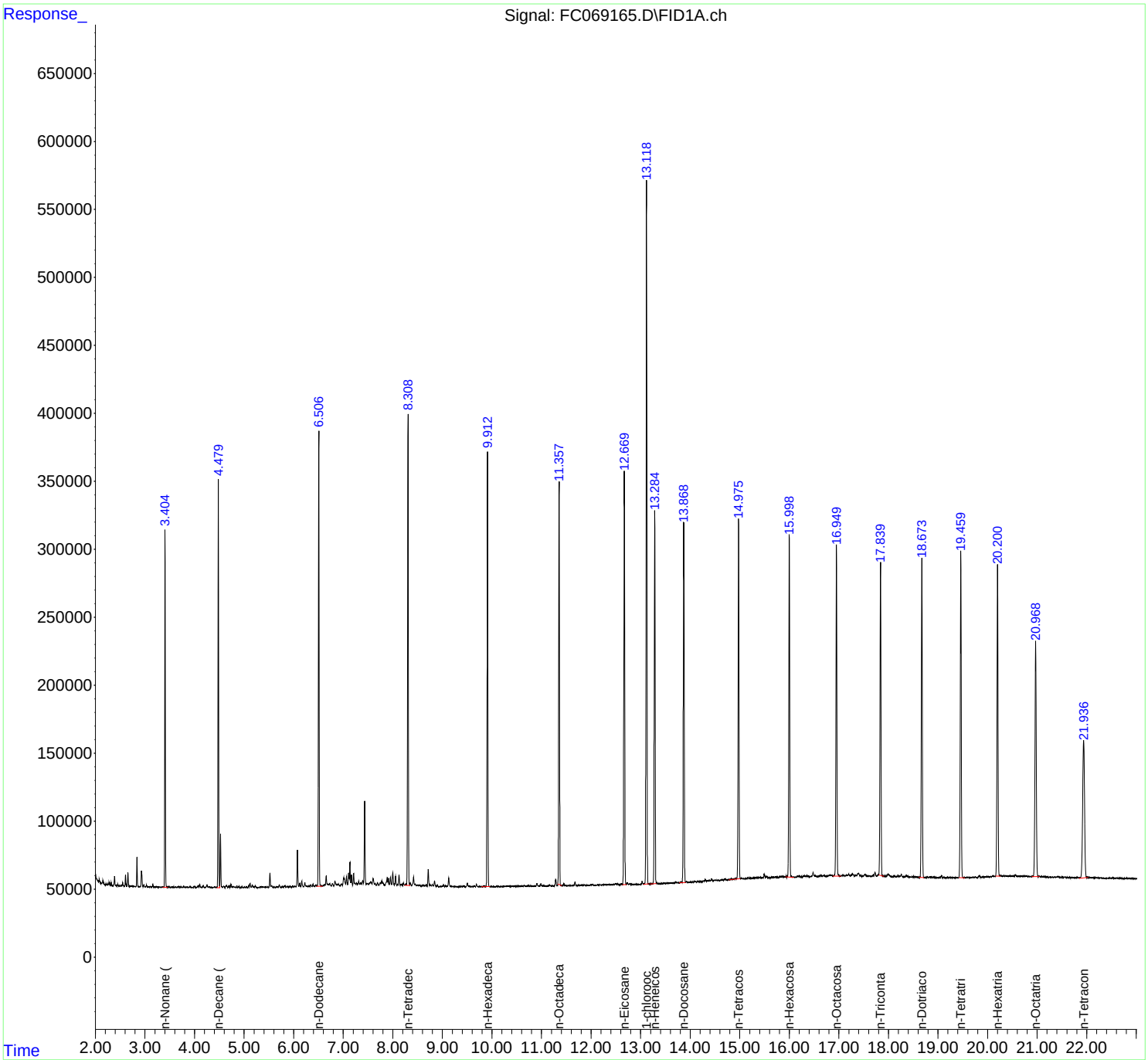
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069165.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:09
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 12 06:06:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069165.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:09
Sample : Q2177-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.229	3.204	3.274	BV	192	3866	0.06%	0.004%
2	3.297	3.274	3.322	VV	207	2307	0.04%	0.003%
3	3.331	3.322	3.371	PV	80	1417	0.02%	0.002%
4	3.404	3.371	3.511	VV	262390	2198132	35.07%	2.533%
5	3.534	3.511	3.571	VV	277	5207	0.08%	0.006%
6	3.608	3.571	3.632	VV	406	6389	0.10%	0.007%
7	3.683	3.632	3.704	PV	646	12875	0.21%	0.015%
8	3.733	3.704	3.757	VV	588	9256	0.15%	0.011%
9	3.782	3.757	3.832	VV	876	15252	0.24%	0.018%
10	3.851	3.832	3.871	VV	328	5095	0.08%	0.006%
11	3.878	3.871	3.888	VV	122	1047	0.02%	0.001%
12	3.904	3.888	3.942	VV	747	10848	0.17%	0.012%
13	3.954	3.942	3.968	VV	234	2047	0.03%	0.002%
14	3.991	3.968	4.041	VV	662	14329	0.23%	0.017%
15	4.078	4.041	4.092	VV	1751	22085	0.35%	0.025%
16	4.107	4.092	4.126	VV	2388	22447	0.36%	0.026%
17	4.141	4.126	4.155	VV	475	5291	0.08%	0.006%
18	4.175	4.155	4.198	VV	1723	17515	0.28%	0.020%
19	4.247	4.198	4.275	VV	1361	27156	0.43%	0.031%
20	4.288	4.275	4.366	VV	605	14526	0.23%	0.017%
21	4.398	4.366	4.414	PV	399	6587	0.11%	0.008%
22	4.434	4.414	4.450	VV	413	5121	0.08%	0.006%
23	4.480	4.450	4.505	VV	300087	2683790	42.82%	3.092%
24	4.524	4.505	4.568	VV	39526	359419	5.73%	0.414%
25	4.586	4.568	4.613	VV	1205	16785	0.27%	0.019%
26	4.634	4.613	4.670	VV	1532	30047	0.48%	0.035%
27	4.684	4.670	4.693	VV	723	7816	0.12%	0.009%
28	4.706	4.693	4.721	VV	1150	12210	0.19%	0.014%
29	4.735	4.721	4.753	VV	2673	24726	0.39%	0.028%
30	4.767	4.753	4.779	VV	1002	10081	0.16%	0.012%
31	4.789	4.779	4.805	VV	734	8980	0.14%	0.010%
32	4.814	4.805	4.828	VV	570	5480	0.09%	0.006%
33	4.856	4.828	4.874	VV	830	11835	0.19%	0.014%
34	4.897	4.874	4.917	VV	755	10730	0.17%	0.012%
35	4.931	4.917	4.948	VV	314	4680	0.07%	0.005%
36	4.960	4.948	4.982	VV	711	7467	0.12%	0.009%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

					rteres			
37	5.005	4.982	5.020	VV	372	5098	0.08%	0.006%
38	5.038	5.020	5.068	VV	530	8334	0	
39	5.092	5.068	5.103	VV	1696	16751	0	
40	5.120	5.103	5.143	VV	3184	38049	0	
41	5.162	5.143	5.191	VV	1887	26955	0	
42	5.225	5.191	5.267	VV	1731	26709	0	
43	5.280	5.267	5.300	PV	200	3284	0.05%	0.004%
44	5.325	5.300	5.378	VV	779	19076	0.30%	0.022%
45	5.387	5.378	5.404	VV	504	6960	0.11%	0.008%
46	5.417	5.404	5.430	VV	548	6216	0.10%	0.007%
47	5.446	5.430	5.497	VV	454	13866	0.22%	0.016%
48	5.521	5.497	5.542	VV	10920	110153	1.76%	0.127%
49	5.553	5.542	5.580	VV	1377	22341	0.36%	0.026%
50	5.593	5.580	5.608	VV	518	6485	0.10%	0.007%
51	5.619	5.608	5.638	VV	398	5920	0.09%	0.007%
52	5.711	5.638	5.751	VV	2044	43535	0.69%	0.050%
53	5.770	5.751	5.785	VV	721	11227	0.18%	0.013%
54	5.823	5.785	5.854	VV	1456	34514	0.55%	0.040%
55	5.871	5.854	5.903	VV	1016	17164	0.27%	0.020%
56	5.922	5.903	5.958	VV	1069	20820	0.33%	0.024%
57	5.977	5.958	6.008	VV	1099	18092	0.29%	0.021%
58	6.026	6.008	6.047	VV	1129	18480	0.29%	0.021%
59	6.076	6.047	6.104	VV	27613	289700	4.62%	0.334%
60	6.122	6.104	6.143	VV	3280	42962	0.69%	0.050%
61	6.164	6.143	6.196	VV	4698	64662	1.03%	0.075%
62	6.226	6.196	6.247	VV	3720	53135	0.85%	0.061%
63	6.264	6.247	6.288	VV	1237	25118	0.40%	0.029%
64	6.318	6.288	6.327	VV	1138	24673	0.39%	0.028%
65	6.345	6.327	6.369	VV	1950	33066	0.53%	0.038%
66	6.389	6.369	6.418	VV	2064	37048	0.59%	0.043%
67	6.442	6.418	6.457	VV	1718	30013	0.48%	0.035%
68	6.469	6.457	6.475	VV	1332	12557	0.20%	0.014%
69	6.507	6.475	6.561	VV	335762	3320385	52.97%	3.826%
70	6.569	6.561	6.588	VV	1315	18418	0.29%	0.021%
71	6.623	6.588	6.635	VV	2023	46280	0.74%	0.053%
72	6.656	6.635	6.679	VV	8441	113683	1.81%	0.131%
73	6.689	6.679	6.713	VV	2505	45984	0.73%	0.053%
74	6.728	6.713	6.759	VV	2984	52727	0.84%	0.061%
75	6.782	6.759	6.808	VV	2866	54884	0.88%	0.063%
76	6.834	6.808	6.859	VV	4663	84739	1.35%	0.098%
77	6.868	6.859	6.880	VV	2134	24797	0.40%	0.029%
78	6.900	6.880	6.934	VV	2345	57892	0.92%	0.067%
79	6.967	6.934	6.985	VV	2654	62097	0.99%	0.072%
80	7.009	6.985	7.048	VV	7091	175250	2.80%	0.202%
81	7.067	7.048	7.090	VV	7965	111199	1.77%	0.128%
82	7.110	7.090	7.120	VV	10500	118477	1.89%	0.137%
83	7.135	7.120	7.154	VV	18560	211714	3.38%	0.244%
84	7.168	7.154	7.189	VV	9308	113562	1.81%	0.131%
85	7.210	7.189	7.252	VV	10135	164269	2.62%	0.189%
86	7.268	7.252	7.282	VV	3541	50093	0.80%	0.058%
87	7.313	7.282	7.334	VV	4476	94690	1.51%	0.109%
88	7.357	7.334	7.374	VV	3056	63602	1.01%	0.073%
89	7.394	7.374	7.411	VV	4949	80849	1.29%	0.093%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

rteres

90	7.433	7.411	7.465	VV	63536	704472	11.24%	0.812%
91	7.485	7.465	7.509	VV	2790	63684		
92	7.554	7.509	7.581	VV	4146	139562		
93	7.605	7.581	7.632	VV	6485	128769		
94	7.645	7.632	7.669	VV	2849	49220		
95	7.692	7.669	7.717	VV	3410	65197		
96	7.747	7.717	7.758	VV	3262	61643	0.98%	0.071%
97	7.776	7.758	7.792	VV	4734	74083	1.18%	0.085%
98	7.800	7.792	7.836	VV	3165	60881	0.97%	0.070%
99	7.887	7.836	7.901	VV	7126	149898	2.39%	0.173%
100	7.913	7.901	7.933	VV	6377	80447	1.28%	0.093%
101	7.955	7.933	7.977	VV	7393	104272	1.66%	0.120%
102	8.001	7.977	8.034	VV	10772	162805	2.60%	0.188%
103	8.057	8.034	8.080	VV	8028	111278	1.78%	0.128%
104	8.096	8.080	8.108	VV	1923	28374	0.45%	0.033%
105	8.127	8.108	8.150	VV	8780	114845	1.83%	0.132%
106	8.165	8.150	8.197	VV	2060	52567	0.84%	0.061%
107	8.217	8.197	8.237	VV	2774	49332	0.79%	0.057%
108	8.262	8.237	8.274	VV	2014	40859	0.65%	0.047%
109	8.308	8.274	8.340	VV	346983	3684506	58.78%	4.245%
110	8.355	8.340	8.378	VV	2742	44618	0.71%	0.051%
111	8.420	8.378	8.441	VV	7459	125100	2.00%	0.144%
112	8.451	8.441	8.484	VV	2198	41781	0.67%	0.048%
113	8.497	8.484	8.524	VV	1580	31246	0.50%	0.036%
114	8.543	8.524	8.569	VV	1296	27701	0.44%	0.032%
115	8.618	8.569	8.647	VV	1379	48328	0.77%	0.056%
116	8.668	8.647	8.694	VV	1598	31911	0.51%	0.037%
117	8.717	8.694	8.742	VV	13137	154712	2.47%	0.178%
118	8.754	8.742	8.780	VV	1774	29627	0.47%	0.034%
119	8.798	8.780	8.820	VV	1926	29977	0.48%	0.035%
120	8.844	8.820	8.876	VV	4407	66257	1.06%	0.076%
121	8.896	8.876	8.951	VV	1588	29674	0.47%	0.034%
122	8.962	8.951	8.981	VV	499	7348	0.12%	0.008%
123	9.027	8.981	9.051	VV	1262	30357	0.48%	0.035%
124	9.068	9.051	9.104	VV	688	17546	0.28%	0.020%
125	9.130	9.104	9.178	VV	6598	92057	1.47%	0.106%
126	9.216	9.197	9.238	VV	472	8509	0.14%	0.010%
127	9.269	9.238	9.301	VV	337	8118	0.13%	0.009%
128	9.312	9.301	9.328	VV	233	3112	0.05%	0.004%
129	9.371	9.328	9.401	VV	378	9663	0.15%	0.011%
130	9.430	9.401	9.478	VV	484	9944	0.16%	0.011%
131	9.504	9.478	9.535	PV	2749	38248	0.61%	0.044%
132	9.548	9.535	9.573	VV	590	8213	0.13%	0.009%
133	9.593	9.573	9.614	VV	315	4961	0.08%	0.006%
134	9.639	9.614	9.667	VV	515	10251	0.16%	0.012%
135	9.690	9.667	9.730	VV	1819	23059	0.37%	0.027%
136	9.750	9.730	9.762	VV	167	2627	0.04%	0.003%
137	9.773	9.762	9.805	VV	170	2518	0.04%	0.003%
138	9.829	9.805	9.873	VV	453	9091	0.15%	0.010%
139	9.912	9.873	9.968	VV	316144	3472582	55.40%	4.001%
140	9.985	9.968	10.038	VV	183	5706	0.09%	0.007%
141	10.085	10.038	10.114	VV	208	4262	0.07%	0.005%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

142	10.132	10.114	10.176	VV	148	3455	0.06%	0.004%
143	10.189	10.176	10.211	VV	127	1841	0	
144	10.301	10.211	10.328	VV	420	14122	0	
145	10.346	10.328	10.364	VV	260	4306	0	
146	10.398	10.364	10.439	VV	316	8393	0	
147	10.449	10.439	10.483	VV	200	3009	0	
148	10.550	10.483	10.568	PV	267	8689	0.14%	0.010%
149	10.578	10.568	10.614	VV	305	7067	0.11%	0.008%
150	10.652	10.614	10.684	VV	777	15456	0.25%	0.018%
151	10.718	10.684	10.734	VV	439	10218	0.16%	0.012%
152	10.747	10.734	10.767	VV	541	8587	0.14%	0.010%
153	10.783	10.767	10.808	VV	500	7328	0.12%	0.008%
154	10.827	10.808	10.861	VV	259	5802	0.09%	0.007%
155	10.870	10.861	10.880	VV	262	2111	0.03%	0.002%
156	10.909	10.880	10.947	VV	2102	28204	0.45%	0.032%
157	10.985	10.947	11.009	VV	1926	26912	0.43%	0.031%
158	11.025	11.009	11.061	VV	407	7197	0.11%	0.008%
159	11.077	11.061	11.094	VV	231	3475	0.06%	0.004%
160	11.103	11.094	11.128	VV	192	2302	0.04%	0.003%
161	11.159	11.128	11.194	VV	859	11620	0.19%	0.013%
162	11.216	11.194	11.227	VV	193	2363	0.04%	0.003%
163	11.286	11.227	11.321	VV	5115	70824	1.13%	0.082%
164	11.357	11.321	11.413	VV	298500	3483455	55.58%	4.014%
165	11.451	11.413	11.478	VV	1597	23946	0.38%	0.028%
166	11.488	11.478	11.495	VV	164	1568	0.03%	0.002%
167	11.506	11.495	11.521	VV	218	2517	0.04%	0.003%
168	11.555	11.521	11.564	VV	183	2957	0.05%	0.003%
169	11.583	11.564	11.609	VV	227	3805	0.06%	0.004%
170	11.676	11.609	11.726	PV	3009	42738	0.68%	0.049%
171	11.753	11.726	11.798	VV	405	11529	0.18%	0.013%
172	11.812	11.798	11.851	VV	597	11739	0.19%	0.014%
173	11.867	11.851	11.918	VV	419	10038	0.16%	0.012%
174	12.025	11.918	12.064	VV	866	33527	0.53%	0.039%
175	12.069	12.064	12.104	VV	357	5840	0.09%	0.007%
176	12.129	12.104	12.158	VV	347	9819	0.16%	0.011%
177	12.182	12.158	12.210	VV	345	8983	0.14%	0.010%
178	12.247	12.210	12.278	VV	473	13945	0.22%	0.016%
179	12.298	12.278	12.332	VV	594	13855	0.22%	0.016%
180	12.360	12.332	12.381	VV	615	13325	0.21%	0.015%
181	12.403	12.381	12.419	VV	565	9441	0.15%	0.011%
182	12.489	12.419	12.511	VV	1150	36807	0.59%	0.042%
183	12.531	12.511	12.565	VV	866	17799	0.28%	0.021%
184	12.576	12.565	12.584	VV	289	2881	0.05%	0.003%
185	12.607	12.584	12.631	VV	1188	19419	0.31%	0.022%
186	12.669	12.631	12.708	VV	301612	3512218	56.03%	4.047%
187	12.731	12.708	12.765	VV	1810	33515	0.53%	0.039%
188	12.788	12.765	12.814	VV	1006	19399	0.31%	0.022%
189	12.828	12.814	12.854	VV	424	9062	0.14%	0.010%
190	12.868	12.854	12.879	VV	387	5140	0.08%	0.006%
191	12.924	12.879	12.988	VV	545	27827	0.44%	0.032%
192	13.030	12.988	13.054	VV	2575	42158	0.67%	0.049%
193	13.118	13.054	13.204	VV	520671	6267969	100.00%	7.222%
194	13.223	13.204	13.244	VV	928	17233	0.27%	0.020%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

195	13.283	13.244	13.317	VV	279805	3365531	53.69%	3.878%
196	13.332	13.317	13.355	VV	1208	22237		
197	13.378	13.355	13.389	VV	800	14914		
198	13.405	13.389	13.430	VV	766	17025		
199	13.456	13.430	13.488	VV	984	26962		
200	13.506	13.488	13.526	VV	949	19209		
201	13.560	13.526	13.581	VV	1096	31084	0.50%	0.036%
202	13.587	13.581	13.618	VV	972	20481	0.33%	0.024%
203	13.626	13.618	13.640	VV	1057	13150	0.21%	0.015%
204	13.662	13.640	13.679	VV	1300	25747	0.41%	0.030%
205	13.712	13.679	13.762	VV	1670	60708	0.97%	0.070%
206	13.785	13.762	13.793	VV	1174	20786	0.33%	0.024%
207	13.818	13.793	13.833	VV	1872	36663	0.58%	0.042%
208	13.869	13.833	13.911	VV	269031	3367354	53.72%	3.880%
209	13.929	13.911	13.951	VV	1866	37332	0.60%	0.043%
210	13.964	13.951	13.979	VV	1492	22753	0.36%	0.026%
211	14.093	13.979	14.126	VV	2197	142542	2.27%	0.164%
212	14.181	14.126	14.194	VV	1876	71800	1.15%	0.083%
213	14.203	14.194	14.217	VV	1828	24141	0.39%	0.028%
214	14.232	14.217	14.248	VV	1902	32839	0.52%	0.038%
215	14.304	14.248	14.364	VV	3374	164134	2.62%	0.189%
216	14.386	14.364	14.409	VV	3013	68034	1.09%	0.078%
217	14.432	14.409	14.467	VV	3401	92747	1.48%	0.107%
218	14.504	14.467	14.542	VV	2699	114152	1.82%	0.132%
219	14.555	14.542	14.573	VV	2749	48139	0.77%	0.055%
220	14.585	14.573	14.603	VV	2595	45499	0.73%	0.052%
221	14.635	14.603	14.674	VV	2966	116123	1.85%	0.134%
222	14.694	14.674	14.771	VV	3633	175218	2.80%	0.202%
223	14.828	14.771	14.848	VV	3444	140178	2.24%	0.162%
224	14.913	14.848	14.924	VV	4032	160215	2.56%	0.185%
225	14.975	14.924	15.014	VV	267341	3474322	55.43%	4.003%
226	15.037	15.014	15.061	VV	3801	103479	1.65%	0.119%
227	15.075	15.061	15.091	VV	3588	61629	0.98%	0.071%
228	15.113	15.091	15.127	VV	3595	74535	1.19%	0.086%
229	15.170	15.127	15.195	VV	3951	149965	2.39%	0.173%
230	15.213	15.195	15.235	VV	3900	89356	1.43%	0.103%
231	15.253	15.235	15.265	VV	3799	67197	1.07%	0.077%
232	15.309	15.265	15.339	VV	4175	175631	2.80%	0.202%
233	15.354	15.339	15.386	VV	4243	114108	1.82%	0.131%
234	15.402	15.386	15.414	VV	4261	71097	1.13%	0.082%
235	15.425	15.414	15.455	VV	4288	99243	1.58%	0.114%
236	15.494	15.455	15.524	VV	6634	201510	3.21%	0.232%
237	15.541	15.524	15.621	VV	4762	237500	3.79%	0.274%
238	15.635	15.621	15.647	VV	4225	61155	0.98%	0.070%
239	15.676	15.647	15.684	VV	4367	94163	1.50%	0.109%
240	15.692	15.684	15.700	VV	4222	38651	0.62%	0.045%
241	15.720	15.700	15.739	VV	4425	101428	1.62%	0.117%
242	15.755	15.739	15.784	VV	4413	115326	1.84%	0.133%
243	15.814	15.784	15.838	VV	4755	142352	2.27%	0.164%
244	15.870	15.838	15.885	VV	4733	127769	2.04%	0.147%
245	15.898	15.885	15.909	VV	4565	63470	1.01%	0.073%
246	15.925	15.909	15.950	VV	4429	109077	1.74%	0.126%

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

rteres

247	15.998	15.950	16.113	VV	255272	3655814	58.33%	4.212%
248	16.124	16.113	16.139	VV	4216	63409		
249	16.167	16.139	16.198	VV	4753	159922		
250	16.211	16.198	16.238	VV	4837	108508		
251	16.249	16.238	16.261	VV	4435	60898		
252	16.305	16.261	16.323	VV	4997	171958		
253	16.336	16.323	16.345	VV	4836	62096	0.99%	0.072%
254	16.357	16.345	16.420	VV	5114	208283	3.32%	0.240%
255	16.478	16.420	16.558	VV	7372	414237	6.61%	0.477%
256	16.585	16.558	16.594	VV	4567	96364	1.54%	0.111%
257	16.642	16.594	16.670	VV	5275	219225	3.50%	0.253%
258	16.687	16.670	16.741	VV	4978	203874	3.25%	0.235%
259	16.756	16.741	16.772	VV	4869	86318	1.38%	0.099%
260	16.824	16.772	16.885	VV	5317	333129	5.31%	0.384%
261	16.950	16.885	17.025	VV	245544	3598250	57.41%	4.146%
262	17.033	17.025	17.047	VV	4710	58331	0.93%	0.067%
263	17.066	17.047	17.101	VV	4922	154228	2.46%	0.178%
264	17.108	17.101	17.134	VV	4758	92697	1.48%	0.107%
265	17.162	17.134	17.170	VV	4926	102643	1.64%	0.118%
266	17.200	17.170	17.247	VV	5549	227553	3.63%	0.262%
267	17.272	17.247	17.311	VV	5864	201276	3.21%	0.232%
268	17.328	17.311	17.348	VV	4721	102774	1.64%	0.118%
269	17.400	17.348	17.424	VV	6341	243081	3.88%	0.280%
270	17.438	17.424	17.474	VV	4611	130947	2.09%	0.151%
271	17.482	17.474	17.487	VV	4263	32979	0.53%	0.038%
272	17.523	17.487	17.595	VV	5306	298494	4.76%	0.344%
273	17.610	17.595	17.646	VV	4387	130027	2.07%	0.150%
274	17.728	17.646	17.774	VV	6852	357677	5.71%	0.412%
275	17.839	17.774	17.920	VV	234136	3612101	57.63%	4.162%
276	17.931	17.920	17.947	VV	3954	61607	0.98%	0.071%
277	17.991	17.947	18.055	VV	5242	280435	4.47%	0.323%
278	18.063	18.055	18.077	VV	3611	47272	0.75%	0.054%
279	18.096	18.077	18.105	VV	3792	59097	0.94%	0.068%
280	18.120	18.105	18.138	VV	3810	72283	1.15%	0.083%
281	18.154	18.138	18.175	VV	3623	78922	1.26%	0.091%
282	18.197	18.175	18.211	VV	3908	79154	1.26%	0.091%
283	18.225	18.211	18.237	VV	3895	58647	0.94%	0.068%
284	18.261	18.237	18.301	VV	5163	148341	2.37%	0.171%
285	18.311	18.301	18.341	VV	3435	80532	1.28%	0.093%
286	18.361	18.341	18.461	VV	4070	241528	3.85%	0.278%
287	18.484	18.461	18.501	VV	3217	73173	1.17%	0.084%
288	18.512	18.501	18.562	VV	3191	109941	1.75%	0.127%
289	18.573	18.562	18.628	VV	2955	108270	1.73%	0.125%
290	18.673	18.628	18.732	VV	234651	3423787	54.62%	3.945%
291	18.740	18.732	18.764	VV	2641	48177	0.77%	0.056%
292	18.792	18.764	18.811	VV	2832	72943	1.16%	0.084%
293	18.834	18.811	18.853	VV	2892	68377	1.09%	0.079%
294	18.867	18.853	18.895	VV	2935	66280	1.06%	0.076%
295	18.915	18.895	18.948	VV	2547	76999	1.23%	0.089%
296	18.961	18.948	19.015	VV	2487	89812	1.43%	0.103%
297	19.070	19.015	19.100	VV	3640	131805	2.10%	0.152%
298	19.117	19.100	19.152	VV	2358	68393	1.09%	0.079%
299	19.178	19.152	19.228	VV	2302	96881	1.55%	0.112%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

300	19.245	19.228	19.286	VV	2249	74206	1.18%	0.086%
301	19.302	19.286	19.323	VV	2236	45920		
302	19.334	19.323	19.361	VV	2128	45343		
303	19.374	19.361	19.412	VV	2120	59766		
304	19.459	19.412	19.557	VV	240667	3474999	55	
305	19.585	19.557	19.607	VV	2209	61631		
306	19.619	19.607	19.635	VV	2149	34717	0.55%	0.040%
307	19.646	19.635	19.655	VV	2111	23656	0.38%	0.027%
308	19.662	19.655	19.668	VV	2088	15933	0.25%	0.018%
309	19.698	19.668	19.721	VV	2247	68616	1.09%	0.079%
310	19.739	19.721	19.798	VV	2262	97422	1.55%	0.112%
311	19.834	19.798	19.858	VV	3131	91800	1.46%	0.106%
312	19.874	19.858	19.896	VV	2258	48827	0.78%	0.056%
313	19.905	19.896	19.921	VV	2221	33645	0.54%	0.039%
314	19.938	19.921	19.949	VV	2327	37203	0.59%	0.043%
315	19.962	19.949	19.973	VV	2365	33473	0.53%	0.039%
316	19.989	19.973	20.002	VV	2483	40184	0.64%	0.046%
317	20.015	20.002	20.032	VV	2433	41467	0.66%	0.048%
318	20.063	20.032	20.073	VV	2468	59406	0.95%	0.068%
319	20.106	20.073	20.134	VV	2864	95734	1.53%	0.110%
320	20.201	20.134	20.260	VV	231359	3418291	54.54%	3.939%
321	20.273	20.260	20.315	VV	3047	94966	1.52%	0.109%
322	20.334	20.315	20.368	VV	2888	89139	1.42%	0.103%
323	20.375	20.368	20.401	VV	2892	56197	0.90%	0.065%
324	20.406	20.401	20.431	VV	2817	49516	0.79%	0.057%
325	20.458	20.431	20.484	VV	2803	87491	1.40%	0.101%
326	20.493	20.484	20.523	VV	2737	61131	0.98%	0.070%
327	20.562	20.523	20.612	VV	3453	146497	2.34%	0.169%
328	20.629	20.612	20.654	VV	2547	61451	0.98%	0.071%
329	20.684	20.654	20.696	VV	2510	60915	0.97%	0.070%
330	20.714	20.696	20.728	VV	2522	47432	0.76%	0.055%
331	20.738	20.728	20.774	VV	2470	66841	1.07%	0.077%
332	20.784	20.774	20.814	VV	2405	55631	0.89%	0.064%
333	20.824	20.814	20.833	VV	2271	24139	0.39%	0.028%
334	20.840	20.833	20.861	VV	2272	37629	0.60%	0.043%
335	20.867	20.861	20.891	VV	2200	37027	0.59%	0.043%
336	20.969	20.891	21.058	VV	175198	3277044	52.28%	3.776%
337	21.065	21.058	21.096	VV	2110	45765	0.73%	0.053%
338	21.105	21.096	21.184	VV	1864	96043	1.53%	0.111%
339	21.194	21.184	21.248	VV	1749	60410	0.96%	0.070%
340	21.261	21.248	21.344	VV	1521	81641	1.30%	0.094%
341	21.417	21.344	21.494	VV	1938	127927	2.04%	0.147%
342	21.503	21.494	21.549	VV	1287	40445	0.65%	0.047%
343	21.560	21.549	21.590	VV	1319	29122	0.46%	0.034%
344	21.604	21.590	21.651	VV	1124	38304	0.61%	0.044%
345	21.657	21.651	21.761	VV	1004	57619	0.92%	0.066%
346	21.803	21.761	21.854	VV	916	45346	0.72%	0.052%
347	21.938	21.854	22.064	VV	101314	2740903	43.73%	3.158%
348	22.071	22.064	22.116	VV	854	20232	0.32%	0.023%
349	22.128	22.116	22.161	VV	616	14369	0.23%	0.017%
350	22.189	22.161	22.217	VV	592	16078	0.26%	0.019%
351	22.233	22.217	22.281	VV	493	15762	0.25%	0.018%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

```
                                        rteres
352 22.289  22.281  22.361  VV      404     11986   0.19%  0.014%
353 22.371  22.361  22.417  VV      171      3173   0
354 22.426  22.417  22.439  PV       70       447   0
                    Sum of corrected areas:    867

Aliphatic EPH 052425.M Thu Jun 12 07:04:23 2025
```

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049484.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 09:48
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MS

Integration File: autoint1.e
Quant Time: Jun 13 21:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	6278432	37.769 ug/ml
Spiked Amount	50.000		Recovery =	75.54%
6) S	2-Flurobiphenyl (SURR)	8.598	4233429	37.006 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	74.01%
11) S	ortho-Terphenyl (SURR)	11.644	6518438	32.475 ug/ml
Spiked Amount	50.000		Recovery =	64.95%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.522	2028339	12.748 ug/ml
2) T	Naphthalene (C11.7)	6.066	2506308	14.274 ug/ml
3) T	2-Methylnaphthalene (...	7.120	2576852	14.424 ug/ml
5) T	Acenaphthylene (C15.06)	8.399	3018456	15.582 ug/ml
7) T	Acenaphthene (C15.5)	8.696	3122059	16.413 ug/ml
8) T	Flouorene (C16.55)	9.476	3285254	16.803 ug/ml
9) T	Phenanthrene (C19.36)	10.875	3591192	18.887 ug/ml
10) T	Anthracene (C19.43)	10.949	3220864	18.424 ug/ml
12) T	Fluoranthene (C21.85)	12.689	3643400	20.199 ug/ml
13) T	Pyrene (C20.8)	12.988	3552754	19.905 ug/ml
14) T	Benzo[a]anthracene (C...	14.859	3088305	20.319 ug/ml
15) T	Chrysene (C27.41)	14.901	3380823	22.263 ug/ml
16) T	benzo[b]fluoranthene ...	16.410	3013552	20.819 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.443	2894814	20.173 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.789	2856949	21.020 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.155	2925066	22.900 ug/ml
20) T	Dibenz[a,h]anthracene...	18.194	2748005	20.412 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.409	2710958	20.113 ug/ml

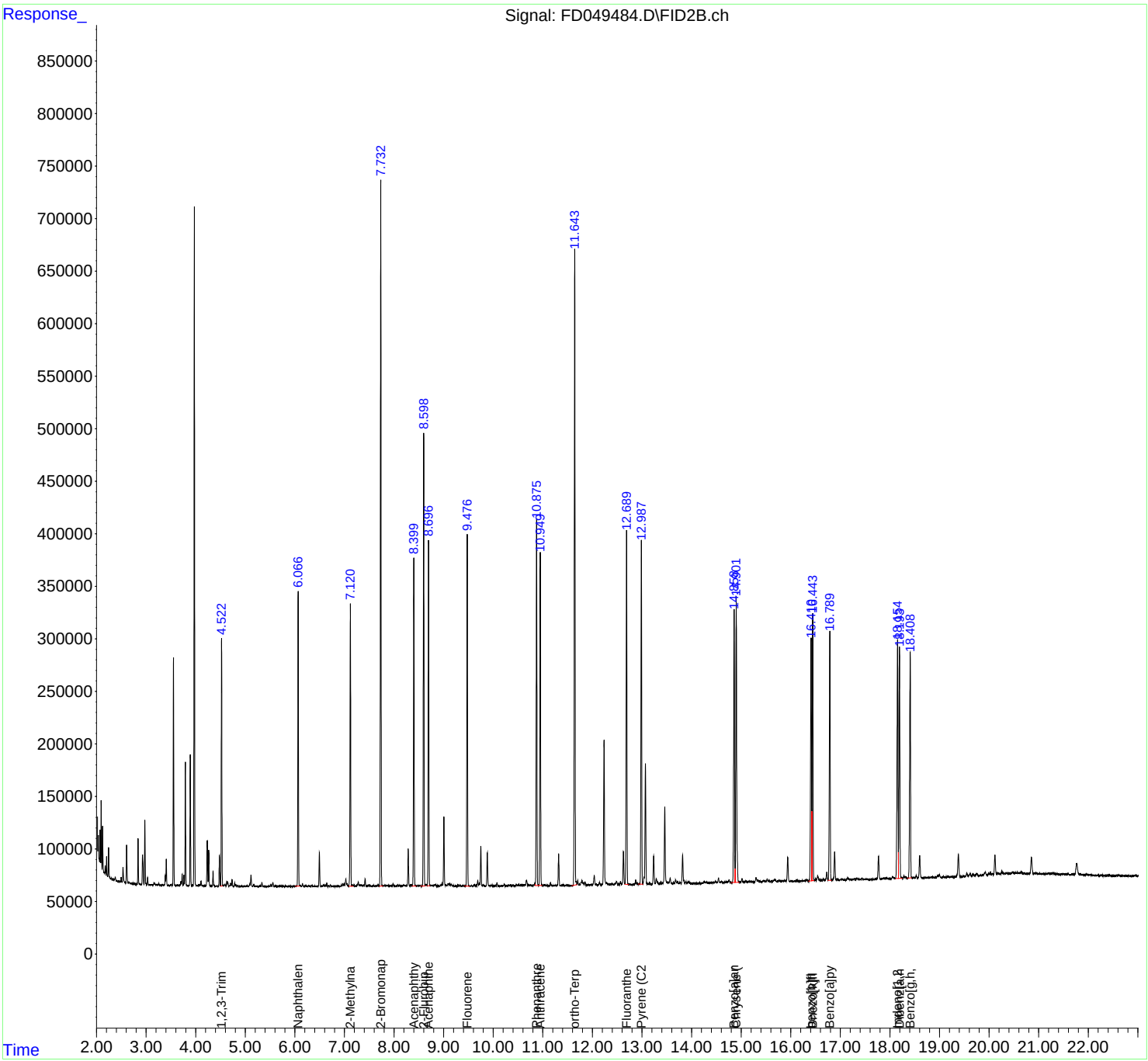
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049484.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 09:48
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MS

Integration File: autoint1.e
Quant Time: Jun 13 21:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD061325AR\
Data File : FD049484.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 09:48
Sample : Q2177-02MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.264	4.252	4.299	PH	34331	290789	4.46%	0.332%
2	4.305	4.299	4.316	PV	152	1228	0.02%	0.001%
3	4.327	4.316	4.333	VV	308	1989	0.03%	0.002%
4	4.351	4.333	4.370	VV	14102	113337	1.74%	0.129%
5	4.373	4.370	4.400	VV	916	6722	0.10%	0.008%
6	4.413	4.400	4.418	PV	296	1644	0.03%	0.002%
7	4.435	4.418	4.452	VV	386	4444	0.07%	0.005%
8	4.480	4.452	4.500	PV	29279	261127	4.00%	0.298%
9	4.522	4.500	4.547	VV	236107	2040777	31.28%	2.329%
10	4.559	4.547	4.571	VV	1043	11477	0.18%	0.013%
11	4.588	4.571	4.609	VV	2032	27337	0.42%	0.031%
12	4.629	4.609	4.640	VV	4889	52976	0.81%	0.060%
13	4.648	4.640	4.667	VV	4080	39004	0.60%	0.045%
14	4.704	4.667	4.718	VV	3319	37045	0.57%	0.042%
15	4.734	4.718	4.755	VV	6562	63912	0.98%	0.073%
16	4.761	4.755	4.769	VV	449	3080	0.05%	0.004%
17	4.787	4.769	4.802	VV	3537	32959	0.51%	0.038%
18	4.814	4.802	4.837	VV	1626	18067	0.28%	0.021%
19	4.850	4.837	4.874	VV	724	9080	0.14%	0.010%
20	4.902	4.882	4.908	PV	260	2298	0.04%	0.003%
21	4.928	4.908	4.949	VV	541	6496	0.10%	0.007%
22	4.953	4.949	4.966	VV	329	2115	0.03%	0.002%
23	4.978	4.966	5.006	VV	292	5119	0.08%	0.006%
24	5.043	5.006	5.072	VV	767	15911	0.24%	0.018%
25	5.089	5.072	5.099	VV	2483	24024	0.37%	0.027%
26	5.115	5.099	5.145	VV	11000	117620	1.80%	0.134%
27	5.173	5.145	5.209	VV	2340	31768	0.49%	0.036%
28	5.219	5.209	5.239	VV	605	6583	0.10%	0.008%
29	5.278	5.263	5.290	VV	461	4690	0.07%	0.005%
30	5.305	5.290	5.316	VV	766	7918	0.12%	0.009%
31	5.335	5.316	5.387	VV	3956	47398	0.73%	0.054%
32	5.396	5.387	5.404	VV	369	3487	0.05%	0.004%
33	5.407	5.404	5.426	VV	326	2908	0.04%	0.003%
34	5.432	5.426	5.457	PV	231	3034	0.05%	0.003%
35	5.481	5.457	5.500	VV	641	11060	0.17%	0.013%
36	5.517	5.500	5.534	VV	2453	24541	0.38%	0.028%

rteres

37	5.558	5.534	5.576	VV	3821	46602	0.71%	0.053%
38	5.583	5.576	5.602	VV	512	6427	0.10%	0.007%
39	5.614	5.602	5.631	VV	882	10700	0.16%	0.012%
40	5.639	5.631	5.645	VV	343	1813	0.03%	0.002%
41	5.650	5.645	5.655	VV	213	1169	0.02%	0.001%
42	5.682	5.655	5.689	VV	592	7739	0.12%	0.009%
43	5.702	5.689	5.725	VV	703	9599	0.15%	0.011%
44	5.729	5.725	5.741	VV	316	2302	0.04%	0.003%
45	5.760	5.741	5.782	VV	591	7858	0.12%	0.009%
46	5.814	5.782	5.835	VV	775	12147	0.19%	0.014%
47	5.842	5.835	5.849	VV	225	1657	0.03%	0.002%
48	5.858	5.849	5.865	VV	435	3363	0.05%	0.004%
49	5.868	5.865	5.876	VV	403	1970	0.03%	0.002%
50	5.886	5.876	5.894	VV	357	2824	0.04%	0.003%
51	5.906	5.894	5.912	VV	335	3562	0.05%	0.004%
52	5.915	5.912	5.920	VV	437	1405	0.02%	0.002%
53	5.939	5.920	5.959	VV	506	6961	0.11%	0.008%
54	5.969	5.959	5.992	VV	529	6361	0.10%	0.007%
55	6.009	5.992	6.020	VV	629	7382	0.11%	0.008%
56	6.024	6.020	6.032	VV	469	2984	0.05%	0.003%
57	6.066	6.032	6.097	VV	280913	2528990	38.76%	2.886%
58	6.113	6.097	6.138	VV	1570	21534	0.33%	0.025%
59	6.155	6.138	6.177	VV	2893	31456	0.48%	0.036%
60	6.182	6.177	6.198	VV	432	4056	0.06%	0.005%
61	6.218	6.198	6.254	VV	968	18324	0.28%	0.021%
62	6.287	6.254	6.323	VV	852	19860	0.30%	0.023%
63	6.346	6.323	6.369	VV	1211	16269	0.25%	0.019%
64	6.407	6.369	6.420	VV	484	9054	0.14%	0.010%
65	6.427	6.420	6.448	VV	245	3143	0.05%	0.004%
66	6.459	6.448	6.466	VV	415	2778	0.04%	0.003%
67	6.495	6.466	6.523	VV	32547	321233	4.92%	0.367%
68	6.580	6.523	6.600	VV	1354	31055	0.48%	0.035%
69	6.615	6.600	6.629	VV	1272	14251	0.22%	0.016%
70	6.645	6.629	6.665	VV	3542	36609	0.56%	0.042%
71	6.677	6.665	6.702	VV	894	10526	0.16%	0.012%
72	6.717	6.702	6.742	VV	1794	20037	0.31%	0.023%
73	6.755	6.742	6.760	VV	384	3005	0.05%	0.003%
74	6.765	6.760	6.797	VV	406	5913	0.09%	0.007%
75	6.822	6.797	6.845	VV	798	11665	0.18%	0.013%
76	6.862	6.845	6.875	VV	567	6903	0.11%	0.008%
77	6.886	6.875	6.912	VV	607	7962	0.12%	0.009%
78	6.937	6.912	6.950	PV	1387	16532	0.25%	0.019%
79	6.964	6.950	6.979	VV	2828	31015	0.48%	0.035%
80	6.992	6.979	7.010	VV	2524	36380	0.56%	0.042%
81	7.028	7.010	7.083	VV	7434	118097	1.81%	0.135%
82	7.120	7.083	7.146	VV	269264	2579422	39.54%	2.943%
83	7.153	7.146	7.181	VV	1327	20792	0.32%	0.024%
84	7.195	7.181	7.209	VV	1241	13452	0.21%	0.015%
85	7.224	7.209	7.235	VV	789	8369	0.13%	0.010%
86	7.257	7.235	7.265	VV	1702	17999	0.28%	0.021%
87	7.279	7.265	7.298	VV	4337	51354	0.79%	0.059%
88	7.310	7.298	7.322	VV	1295	16706	0.26%	0.019%
89	7.335	7.322	7.367	VV	1845	29237	0.45%	0.033%

rteres

90	7.386	7.367	7.399	VV	1618	20327	0.31%	0.023%
91	7.417	7.399	7.441	VV	7478	81679	1.25%	0.093%
92	7.453	7.441	7.462	VV	675	6874	0.11%	0.008%
93	7.481	7.462	7.492	VV	1034	14635	0.22%	0.017%
94	7.509	7.492	7.526	VV	1591	19843	0.30%	0.023%
95	7.532	7.526	7.547	VV	439	4283	0.07%	0.005%
96	7.591	7.547	7.615	VV	1056	22750	0.35%	0.026%
97	7.632	7.615	7.637	VV	575	6609	0.10%	0.008%
98	7.646	7.637	7.662	VV	668	7616	0.12%	0.009%
99	7.679	7.662	7.701	VV	1908	24229	0.37%	0.028%
100	7.733	7.701	7.802	VV	670152	6306916	96.67%	7.197%
101	7.823	7.802	7.832	VV	1133	15498	0.24%	0.018%
102	7.842	7.832	7.856	VV	1006	12131	0.19%	0.014%
103	7.870	7.856	7.886	VV	1168	14360	0.22%	0.016%
104	7.896	7.886	7.917	VV	772	10428	0.16%	0.012%
105	7.938	7.917	7.956	VV	1140	14614	0.22%	0.017%
106	7.982	7.956	8.009	VV	2266	29797	0.46%	0.034%
107	8.012	8.009	8.026	VV	594	4990	0.08%	0.006%
108	8.036	8.026	8.055	VV	880	9919	0.15%	0.011%
109	8.069	8.055	8.094	VV	699	12876	0.20%	0.015%
110	8.110	8.094	8.128	VV	1258	15996	0.25%	0.018%
111	8.152	8.128	8.159	VV	595	8571	0.13%	0.010%
112	8.189	8.159	8.193	VV	990	16567	0.25%	0.019%
113	8.198	8.193	8.205	VV	1079	7239	0.11%	0.008%
114	8.214	8.205	8.229	VV	1221	13404	0.21%	0.015%
115	8.232	8.229	8.237	VV	795	3733	0.06%	0.004%
116	8.241	8.237	8.258	VV	994	9850	0.15%	0.011%
117	8.286	8.258	8.319	VV	35985	374342	5.74%	0.427%
118	8.346	8.319	8.361	VV	1572	24811	0.38%	0.028%
119	8.399	8.361	8.458	VV	312460	3044983	46.67%	3.475%
120	8.481	8.458	8.507	VV	1196	18548	0.28%	0.021%
121	8.521	8.507	8.545	VV	946	11776	0.18%	0.013%
122	8.598	8.545	8.630	VV	431184	4253110	65.19%	4.853%
123	8.648	8.630	8.667	VV	2115	31284	0.48%	0.036%
124	8.696	8.667	8.725	VV	328908	3145934	48.22%	3.590%
125	8.743	8.725	8.763	VV	1266	23788	0.36%	0.027%
126	8.773	8.763	8.788	VV	1098	13878	0.21%	0.016%
127	8.794	8.788	8.804	VV	904	7139	0.11%	0.008%
128	8.822	8.804	8.867	VV	1529	34429	0.53%	0.039%
129	8.876	8.867	8.884	VV	610	4589	0.07%	0.005%
130	8.888	8.884	8.900	VV	692	4887	0.07%	0.006%
131	8.909	8.900	8.920	VV	476	4433	0.07%	0.005%
132	8.936	8.920	8.947	VV	1091	11875	0.18%	0.014%
133	8.966	8.947	8.980	VV	2368	27596	0.42%	0.031%
134	9.005	8.980	9.030	VV	66277	660630	10.13%	0.754%
135	9.041	9.030	9.073	VV	1647	32316	0.50%	0.037%
136	9.090	9.073	9.113	VV	2399	43732	0.67%	0.050%
137	9.124	9.113	9.145	VV	2456	34264	0.53%	0.039%
138	9.158	9.145	9.180	VV	1975	23729	0.36%	0.027%
139	9.196	9.180	9.212	VV	870	9077	0.14%	0.010%
140	9.216	9.212	9.229	VV	210	1224	0.02%	0.001%
141	9.248	9.229	9.271	VV	467	8699	0.13%	0.010%

rteres

142	9.291	9.271	9.309	VV	1103	14014	0.21%	0.016%
143	9.330	9.309	9.374	VV	1056	21112	0.32%	0.024%
144	9.389	9.374	9.425	VV	812	15298	0.23%	0.017%
145	9.442	9.425	9.446	VV	391	3857	0.06%	0.004%
146	9.476	9.446	9.511	VV	334452	3290534	50.44%	3.755%
147	9.517	9.511	9.525	VV	402	1971	0.03%	0.002%
148	9.561	9.525	9.582	VV	782	13673	0.21%	0.016%
149	9.622	9.582	9.640	VV	1304	26578	0.41%	0.030%
150	9.654	9.640	9.668	VV	939	12340	0.19%	0.014%
151	9.689	9.668	9.706	VV	5485	60657	0.93%	0.069%
152	9.721	9.706	9.731	VV	3202	31854	0.49%	0.036%
153	9.751	9.731	9.776	VV	38322	389180	5.97%	0.444%
154	9.798	9.776	9.843	VV	1379	25491	0.39%	0.029%
155	9.881	9.843	9.936	VV	31910	359980	5.52%	0.411%
156	9.956	9.936	9.972	PV	726	10167	0.16%	0.012%
157	9.975	9.972	10.020	VV	522	9600	0.15%	0.011%
158	10.032	10.020	10.037	VV	289	1788	0.03%	0.002%
159	10.076	10.037	10.122	VV	3401	44138	0.68%	0.050%
160	10.159	10.122	10.180	VV	544	9632	0.15%	0.011%
161	10.192	10.180	10.196	VV	387	2920	0.04%	0.003%
162	10.223	10.196	10.239	VV	1666	22785	0.35%	0.026%
163	10.245	10.239	10.255	VV	524	3763	0.06%	0.004%
164	10.276	10.255	10.289	VV	785	10136	0.16%	0.012%
165	10.315	10.289	10.333	VV	971	17936	0.27%	0.020%
166	10.353	10.333	10.377	VV	1443	23562	0.36%	0.027%
167	10.400	10.377	10.419	VV	1073	17994	0.28%	0.021%
168	10.424	10.419	10.434	VV	383	2756	0.04%	0.003%
169	10.470	10.434	10.496	VV	1120	25216	0.39%	0.029%
170	10.520	10.496	10.541	VV	1172	22597	0.35%	0.026%
171	10.549	10.541	10.560	VV	744	7554	0.12%	0.009%
172	10.566	10.560	10.584	VV	903	9192	0.14%	0.010%
173	10.608	10.584	10.628	VV	1327	25196	0.39%	0.029%
174	10.640	10.628	10.648	VV	1258	12860	0.20%	0.015%
175	10.673	10.648	10.696	VV	5259	91249	1.40%	0.104%
176	10.704	10.696	10.730	VV	1116	17854	0.27%	0.020%
177	10.750	10.730	10.789	VV	1225	26114	0.40%	0.030%
178	10.815	10.789	10.825	VV	1144	14874	0.23%	0.017%
179	10.841	10.825	10.848	VV	2767	27566	0.42%	0.031%
180	10.875	10.848	10.917	VV	349884	3613622	55.39%	4.123%
181	10.949	10.917	11.003	VV	318275	3253926	49.88%	3.713%
182	11.027	11.003	11.037	VV	933	16120	0.25%	0.018%
183	11.044	11.037	11.063	VV	970	12048	0.18%	0.014%
184	11.070	11.063	11.098	VV	709	10366	0.16%	0.012%
185	11.103	11.098	11.134	VV	333	5791	0.09%	0.007%
186	11.156	11.134	11.194	VV	3386	42493	0.65%	0.048%
187	11.201	11.194	11.210	VV	322	1883	0.03%	0.002%
188	11.218	11.210	11.226	VV	326	2045	0.03%	0.002%
189	11.251	11.226	11.269	VV	795	11685	0.18%	0.013%
190	11.319	11.269	11.348	VV	30738	349835	5.36%	0.399%
191	11.370	11.348	11.375	PV	555	5569	0.09%	0.006%
192	11.408	11.375	11.433	VV	1275	25001	0.38%	0.029%
193	11.440	11.433	11.445	VV	303	1468	0.02%	0.002%
194	11.474	11.445	11.502	VV	799	15465	0.24%	0.018%

rteres

195	11.523	11.502	11.547	VV	679	10634	0.16%	0.012%
196	11.560	11.547	11.584	VV	421	7098	0.11%	0.008%
197	11.644	11.584	11.668	PV	606519	6524090	100.00%	7.445%
198	11.673	11.668	11.688	VV	4150	36599	0.56%	0.042%
199	11.704	11.688	11.724	VV	5101	60429	0.93%	0.069%
200	11.736	11.724	11.751	VV	1542	18857	0.29%	0.022%
201	11.789	11.751	11.810	VV	5258	105863	1.62%	0.121%
202	11.821	11.810	11.836	VV	2558	31058	0.48%	0.035%
203	11.852	11.836	11.882	VV	3698	47689	0.73%	0.054%
204	11.914	11.882	11.938	VV	1175	20473	0.31%	0.023%
205	11.984	11.938	12.003	VV	1079	27877	0.43%	0.032%
206	12.037	12.003	12.063	VV	9610	139001	2.13%	0.159%
207	12.077	12.063	12.109	VV	1498	22554	0.35%	0.026%
208	12.142	12.109	12.165	VV	2886	42433	0.65%	0.048%
209	12.169	12.165	12.176	VV	518	2967	0.05%	0.003%
210	12.236	12.176	12.279	VV	138273	1653142	25.34%	1.886%
211	12.291	12.279	12.336	VV	2271	48205	0.74%	0.055%
212	12.347	12.336	12.355	VV	925	9790	0.15%	0.011%
213	12.361	12.355	12.369	VV	1022	7725	0.12%	0.009%
214	12.393	12.369	12.436	VV	1246	36703	0.56%	0.042%
215	12.488	12.436	12.512	VV	3428	79001	1.21%	0.090%
216	12.517	12.512	12.533	VV	998	9472	0.15%	0.011%
217	12.541	12.533	12.549	VV	811	6462	0.10%	0.007%
218	12.569	12.549	12.590	VV	3132	40133	0.62%	0.046%
219	12.626	12.590	12.654	VV	32065	394472	6.05%	0.450%
220	12.689	12.654	12.739	VV	336193	3673156	56.30%	4.191%
221	12.749	12.739	12.766	VV	617	6562	0.10%	0.007%
222	12.775	12.766	12.793	VV	317	4134	0.06%	0.005%
223	12.802	12.793	12.806	VV	343	2001	0.03%	0.002%
224	12.845	12.806	12.852	VV	733	12354	0.19%	0.014%
225	12.873	12.852	12.917	VV	4672	70683	1.08%	0.081%
226	12.923	12.917	12.955	VV	992	14294	0.22%	0.016%
227	12.988	12.955	13.014	VV	327520	3575500	54.80%	4.080%
228	13.040	13.014	13.046	VV	6835	70873	1.09%	0.081%
229	13.070	13.046	13.100	VV	115027	1343275	20.59%	1.533%
230	13.117	13.100	13.137	VV	728	10574	0.16%	0.012%
231	13.154	13.137	13.177	VV	1594	19896	0.30%	0.023%
232	13.190	13.177	13.205	VV	480	5261	0.08%	0.006%
233	13.236	13.205	13.265	VV	27175	343829	5.27%	0.392%
234	13.289	13.265	13.341	VV	5646	105022	1.61%	0.120%
235	13.354	13.341	13.364	VV	950	10375	0.16%	0.012%
236	13.380	13.364	13.395	VV	1556	20814	0.32%	0.024%
237	13.405	13.395	13.421	VV	1018	13108	0.20%	0.015%
238	13.460	13.421	13.535	VV	73773	943510	14.46%	1.077%
239	13.569	13.535	13.605	VV	5891	105052	1.61%	0.120%
240	13.616	13.605	13.623	VV	853	8277	0.13%	0.009%
241	13.639	13.623	13.655	VV	1446	19268	0.30%	0.022%
242	13.677	13.655	13.700	VV	3960	60675	0.93%	0.069%
243	13.717	13.700	13.740	VV	2698	36668	0.56%	0.042%
244	13.766	13.740	13.790	VV	1820	34538	0.53%	0.039%
245	13.820	13.790	13.866	VV	27516	378753	5.81%	0.432%
246	13.886	13.866	13.905	VV	2281	30672	0.47%	0.035%

rteres

247	13.933	13.905	13.977	VV	2017	49406	0.76%	0.056%
248	13.991	13.977	14.014	VV	473	6494	0.10%	0.007%
249	14.047	14.014	14.074	PV	702	12704	0.19%	0.014%
250	14.093	14.074	14.123	VV	454	7078	0.11%	0.008%
251	14.154	14.137	14.183	VV	498	9345	0.14%	0.011%
252	14.189	14.183	14.194	VV	274	1515	0.02%	0.002%
253	14.214	14.194	14.228	VV	592	8798	0.13%	0.010%
254	14.257	14.228	14.287	VV	1828	38908	0.60%	0.044%
255	14.299	14.287	14.334	VV	1391	24078	0.37%	0.027%
256	14.387	14.334	14.393	VV	954	21206	0.33%	0.024%
257	14.406	14.393	14.428	VV	1075	15986	0.25%	0.018%
258	14.444	14.428	14.457	VV	855	11483	0.18%	0.013%
259	14.479	14.457	14.504	VV	1911	34434	0.53%	0.039%
260	14.510	14.504	14.523	VV	1081	10606	0.16%	0.012%
261	14.544	14.523	14.567	VV	4917	65995	1.01%	0.075%
262	14.602	14.567	14.626	VV	1563	35087	0.54%	0.040%
263	14.669	14.626	14.680	VV	945	20704	0.32%	0.024%
264	14.699	14.680	14.715	VV	1015	17783	0.27%	0.020%
265	14.726	14.715	14.738	VV	1212	14612	0.22%	0.017%
266	14.758	14.738	14.786	VV	2751	40449	0.62%	0.046%
267	14.798	14.786	14.821	VV	367	7104	0.11%	0.008%
268	14.859	14.821	14.878	VV	260320	3101231	47.54%	3.539%
269	14.901	14.878	14.952	VV	271972	3399395	52.11%	3.879%
270	14.957	14.952	14.976	VV	627	7322	0.11%	0.008%
271	15.018	14.976	15.036	VV	3946	56738	0.87%	0.065%
272	15.055	15.036	15.070	VV	1064	14921	0.23%	0.017%
273	15.094	15.070	15.129	VV	1626	29731	0.46%	0.034%
274	15.151	15.129	15.177	VV	1263	22858	0.35%	0.026%
275	15.192	15.177	15.262	VV	882	28817	0.44%	0.033%
276	15.301	15.262	15.327	VV	4243	81800	1.25%	0.093%
277	15.333	15.327	15.358	VV	1834	24003	0.37%	0.027%
278	15.362	15.358	15.365	VV	761	3116	0.05%	0.004%
279	15.369	15.365	15.374	VV	724	3150	0.05%	0.004%
280	15.376	15.374	15.391	VV	756	5185	0.08%	0.006%
281	15.395	15.391	15.415	VV	472	3196	0.05%	0.004%
282	15.458	15.415	15.500	VV	1688	44956	0.69%	0.051%
283	15.524	15.500	15.544	VV	3026	40897	0.63%	0.047%
284	15.563	15.544	15.587	VV	1462	23032	0.35%	0.026%
285	15.604	15.587	15.624	VV	1079	17308	0.27%	0.020%
286	15.669	15.624	15.674	VV	1910	33039	0.51%	0.038%
287	15.685	15.674	15.724	VV	2147	39177	0.60%	0.045%
288	15.736	15.724	15.740	VV	663	5344	0.08%	0.006%
289	15.765	15.740	15.790	VV	1620	28358	0.43%	0.032%
290	15.801	15.790	15.819	VV	726	10947	0.17%	0.012%
291	15.820	15.819	15.826	VV	662	2318	0.04%	0.003%
292	15.847	15.826	15.859	VV	986	14918	0.23%	0.017%
293	15.873	15.859	15.907	VV	1024	21293	0.33%	0.024%
294	15.939	15.907	15.977	VV	23285	316301	4.85%	0.361%
295	15.983	15.977	15.990	VV	469	3356	0.05%	0.004%
296	15.995	15.990	16.004	VV	451	3272	0.05%	0.004%
297	16.009	16.004	16.028	VV	415	4086	0.06%	0.005%
298	16.032	16.028	16.052	VV	310	2383	0.04%	0.003%
299	16.088	16.066	16.096	PV	472	5315	0.08%	0.006%

rteres

300	16.128	16.096	16.176	VV	933	27832	0.43%	0.032%
301	16.189	16.176	16.210	VV	441	6588	0.10%	0.008%
302	16.225	16.210	16.256	VV	772	13530	0.21%	0.015%
303	16.270	16.256	16.282	VV	492	6528	0.10%	0.007%
304	16.324	16.282	16.356	VV	1104	31253	0.48%	0.036%
305	16.410	16.356	16.425	VV	231205	3021520	46.31%	3.448%
306	16.443	16.425	16.477	VV	254412	2908651	44.58%	3.319%
307	16.501	16.477	16.517	VV	1446	23486	0.36%	0.027%
308	16.542	16.517	16.572	VV	4351	83709	1.28%	0.096%
309	16.576	16.572	16.615	VV	1183	21641	0.33%	0.025%
310	16.656	16.615	16.675	VV	1822	33130	0.51%	0.038%
311	16.689	16.675	16.694	VV	993	9076	0.14%	0.010%
312	16.727	16.694	16.752	VV	8288	119826	1.84%	0.137%
313	16.789	16.752	16.830	VV	237286	2875120	44.07%	3.281%
314	16.885	16.830	16.916	VV	27302	377869	5.79%	0.431%
315	16.937	16.916	16.979	VV	1369	27854	0.43%	0.032%
316	17.022	16.979	17.029	VV	1013	18354	0.28%	0.021%
317	17.036	17.029	17.062	VV	1013	14084	0.22%	0.016%
318	17.067	17.062	17.079	VV	402	3237	0.05%	0.004%
319	17.091	17.079	17.107	VV	451	5571	0.09%	0.006%
320	17.146	17.107	17.231	VV	1843	65265	1.00%	0.074%
321	17.246	17.231	17.258	VV	874	10944	0.17%	0.012%
322	17.282	17.258	17.294	VV	1182	20079	0.31%	0.023%
323	17.310	17.294	17.319	VV	1240	14215	0.22%	0.016%
324	17.336	17.319	17.354	VV	1863	27310	0.42%	0.031%
325	17.363	17.354	17.384	VV	829	12272	0.19%	0.014%
326	17.391	17.384	17.400	VV	664	5119	0.08%	0.006%
327	17.438	17.400	17.460	VV	1525	28936	0.44%	0.033%
328	17.464	17.460	17.470	VV	585	2250	0.03%	0.003%
329	17.485	17.470	17.497	VV	604	6546	0.10%	0.007%
330	17.512	17.497	17.536	VV	595	10324	0.16%	0.012%
331	17.553	17.536	17.590	VV	571	9091	0.14%	0.010%
332	17.601	17.590	17.607	PV	328	1606	0.02%	0.002%
333	17.626	17.607	17.645	VV	579	5841	0.09%	0.007%
334	17.664	17.645	17.687	VV	389	5795	0.09%	0.007%
335	17.703	17.687	17.710	VV	520	4524	0.07%	0.005%
336	17.771	17.710	17.802	VV	22200	324398	4.97%	0.370%
337	17.864	17.802	17.892	VV	826	27259	0.42%	0.031%
338	17.934	17.892	17.970	VV	1126	34210	0.52%	0.039%
339	17.984	17.970	18.022	VV	480	10885	0.17%	0.012%
340	18.056	18.022	18.108	VV	2369	52502	0.80%	0.060%
341	18.155	18.108	18.171	VV	227598	2941594	45.09%	3.357%
342	18.194	18.171	18.258	VV	220955	2769736	42.45%	3.161%
343	18.282	18.258	18.297	VV	2251	30798	0.47%	0.035%
344	18.314	18.297	18.341	VV	1960	32113	0.49%	0.037%
345	18.345	18.341	18.366	VV	533	7173	0.11%	0.008%
346	18.409	18.366	18.443	VV	215253	2740026	42.00%	3.127%
347	18.450	18.443	18.469	VV	945	11307	0.17%	0.013%
348	18.477	18.469	18.482	VV	889	5456	0.08%	0.006%
349	18.487	18.482	18.505	VV	870	10037	0.15%	0.011%
350	18.530	18.505	18.562	VV	2862	43225	0.66%	0.049%
351	18.600	18.562	18.657	VV	21894	318107	4.88%	0.363%

rteres

352	18.705	18.657	18.724	VV	657	16852	0.26%	0.019%
353	18.728	18.724	18.732	VV	273	1114	0.02%	0.001%
354	18.750	18.732	18.757	VV	534	4830	0.07%	0.006%
355	18.761	18.757	18.788	VV	492	5876	0.09%	0.007%
356	18.833	18.788	18.856	PV	573	14056	0.22%	0.016%
357	18.864	18.856	18.892	VV	537	5610	0.09%	0.006%
358	18.910	18.900	18.920	VV	193	1233	0.02%	0.001%
359	18.963	18.920	18.980	PV	1340	14095	0.22%	0.016%

Sum of corrected areas: 87635738

Aromatic EPH 052425.M Fri Jun 13 22:45:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069166.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:50
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
Quant Time: Jun 12 06:06:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 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...	13.118	6098846	67.981 ug/ml
Spiked Amount	50.000		Recovery =	135.96%
	Target Compounds			
1) T	n-Nonane (C9)	3.404	2206907	20.796 ug/ml
2) T	n-Decane (C10)	4.479	2703700	25.529 ug/mlm
4) T	n-Dodecane (C12)	6.507	3279378	31.196 ug/ml
6) T	n-Tetradecane (C14)	8.307	3644091	35.551 ug/ml
7) T	n-Hexadecane (C16)	9.911	3446165	33.963 ug/ml
8) T	n-Octadecane (C18)	11.356	3399983	34.019 ug/ml
10) T	n-Eicosane (C20)	12.669	3460700	35.532 ug/ml
11) T	n-Heneicosane (C21)	13.282	3301753	34.303 ug/ml
13) T	n-Docosane (C22)	13.869	3282558	34.456 ug/ml
14) T	n-Tetracosane (C24)	14.975	3280063	34.838 ug/ml
15) T	n-Hexacosane (C26)	15.998	3253279	35.041 ug/ml
16) T	n-Octacosane (C28)	16.949	3217537	34.615 ug/ml
17) T	n-Tricontane (C30)	17.839	3242305	33.510 ug/ml
18) T	n-Dotriacontane (C32)	18.674	3276603	33.064 ug/ml
19) T	n-Tetratriacontane (C34)	19.459	3328230	34.533 ug/ml
20) T	n-Hexatriacontane (C36)	20.201	3277362	34.524 ug/ml
21) T	n-Octatriacontane (C38)	20.970	3206710	35.148 ug/ml
22) T	n-Tetracontane (C40)	21.939	2906027	32.935 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

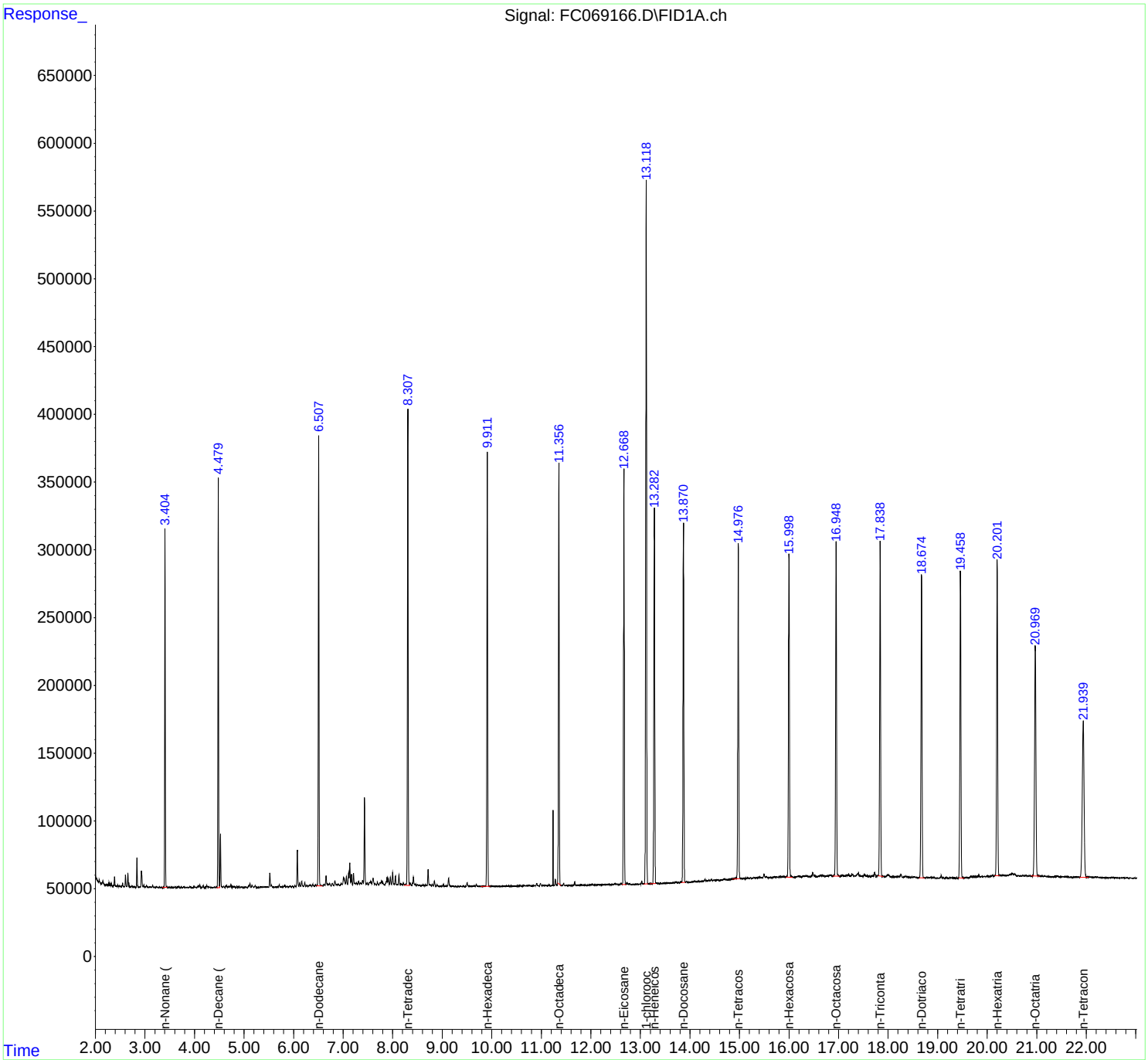
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069166.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:50
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 12 06:06:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069166.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:50
Sample : Q2177-02MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.229	3.204	3.243	BV	373	3610	0.06%	0.004%
2	3.252	3.243	3.281	VV	183	2110	0.03%	0.002%
3	3.299	3.281	3.325	VV	185	2590	0.04%	0.003%
4	3.352	3.325	3.364	PV	94	1175	0.02%	0.001%
5	3.404	3.364	3.488	VV	264351	2216208	36.10%	2.585%
6	3.507	3.488	3.521	VV	173	2257	0.04%	0.003%
7	3.529	3.521	3.571	VV	279	4536	0.07%	0.005%
8	3.609	3.571	3.637	VV	444	7355	0.12%	0.009%
9	3.682	3.637	3.708	VV	697	11955	0.19%	0.014%
10	3.732	3.708	3.761	VV	481	7710	0.13%	0.009%
11	3.782	3.761	3.809	PV	816	10927	0.18%	0.013%
12	3.848	3.809	3.870	VV	308	7827	0.13%	0.009%
13	3.904	3.870	3.942	VV	781	12835	0.21%	0.015%
14	3.953	3.942	3.968	VV	222	1957	0.03%	0.002%
15	3.992	3.968	4.039	VV	699	15288	0.25%	0.018%
16	4.078	4.039	4.092	VV	1761	22765	0.37%	0.027%
17	4.107	4.092	4.127	VV	2344	23251	0.38%	0.027%
18	4.143	4.127	4.154	VV	461	5166	0.08%	0.006%
19	4.174	4.154	4.198	VV	1811	18764	0.31%	0.022%
20	4.209	4.198	4.224	VV	212	3032	0.05%	0.004%
21	4.246	4.224	4.275	VV	1485	23918	0.39%	0.028%
22	4.288	4.275	4.365	VV	660	13833	0.23%	0.016%
23	4.398	4.365	4.416	PV	382	6346	0.10%	0.007%
24	4.437	4.416	4.454	VV	389	5687	0.09%	0.007%
25	4.480	4.454	4.505	VV	300503	2704184	44.05%	3.155%
26	4.524	4.505	4.569	VV	39776	363362	5.92%	0.424%
27	4.587	4.569	4.613	VV	1230	15239	0.25%	0.018%
28	4.634	4.613	4.670	VV	1541	29871	0.49%	0.035%
29	4.684	4.670	4.693	VV	723	7060	0.12%	0.008%
30	4.706	4.693	4.720	VV	1103	11295	0.18%	0.013%
31	4.736	4.720	4.753	VV	2512	23513	0.38%	0.027%
32	4.767	4.753	4.779	VV	931	9014	0.15%	0.011%
33	4.790	4.779	4.805	VV	748	9153	0.15%	0.011%
34	4.813	4.805	4.830	VV	549	5374	0.09%	0.006%
35	4.856	4.830	4.875	VV	779	10714	0.17%	0.012%
36	4.896	4.875	4.915	VV	682	9321	0.15%	0.011%

Page 1

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

					rteres			
37	4.933	4.915	4.945	VV	289	4266	0.07%	0.005%
38	4.960	4.945	4.982	VV	746	7446	0	
39	5.006	4.982	5.020	VV	317	3831	0	
40	5.037	5.020	5.067	VV	502	7257	0	
41	5.092	5.067	5.103	PV	1588	16117	0	
42	5.120	5.103	5.144	VV	3096	37779	0	
43	5.162	5.144	5.193	VV	1846	25020	0.41%	0.029%
44	5.225	5.193	5.271	VV	1709	22737	0.37%	0.027%
45	5.281	5.271	5.299	PV	130	1639	0.03%	0.002%
46	5.325	5.299	5.358	VV	694	11106	0.18%	0.013%
47	5.386	5.358	5.403	VV	477	9563	0.16%	0.011%
48	5.417	5.403	5.430	VV	415	5187	0.08%	0.006%
49	5.446	5.430	5.460	VV	342	5437	0.09%	0.006%
50	5.474	5.460	5.496	VV	341	5742	0.09%	0.007%
51	5.521	5.496	5.542	VV	10781	109842	1.79%	0.128%
52	5.554	5.542	5.578	VV	1468	21104	0.34%	0.025%
53	5.591	5.578	5.604	VV	377	4593	0.07%	0.005%
54	5.618	5.604	5.631	VV	365	4318	0.07%	0.005%
55	5.679	5.631	5.689	VV	454	10980	0.18%	0.013%
56	5.711	5.689	5.741	VV	2028	26667	0.43%	0.031%
57	5.770	5.741	5.784	VV	685	11409	0.19%	0.013%
58	5.823	5.784	5.853	VV	1410	32237	0.53%	0.038%
59	5.872	5.853	5.903	VV	1006	16583	0.27%	0.019%
60	5.922	5.903	5.956	VV	1020	19507	0.32%	0.023%
61	5.976	5.956	6.004	VV	1104	16387	0.27%	0.019%
62	6.025	6.004	6.045	VV	1084	17829	0.29%	0.021%
63	6.076	6.045	6.104	VV	27669	291897	4.75%	0.341%
64	6.122	6.104	6.141	VV	3343	42246	0.69%	0.049%
65	6.164	6.141	6.197	VV	4637	66273	1.08%	0.077%
66	6.226	6.197	6.248	VV	3749	53107	0.87%	0.062%
67	6.265	6.248	6.288	VV	1339	25280	0.41%	0.029%
68	6.319	6.288	6.329	VV	1190	26254	0.43%	0.031%
69	6.345	6.329	6.368	VV	1944	30566	0.50%	0.036%
70	6.389	6.368	6.414	VV	2100	36529	0.60%	0.043%
71	6.442	6.414	6.458	VV	1785	33205	0.54%	0.039%
72	6.468	6.458	6.474	VV	1342	12858	0.21%	0.015%
73	6.507	6.474	6.558	VV	333094	3327138	54.20%	3.881%
74	6.570	6.558	6.584	VV	1334	18661	0.30%	0.022%
75	6.622	6.584	6.635	VV	1988	48411	0.79%	0.056%
76	6.656	6.635	6.679	VV	8413	114633	1.87%	0.134%
77	6.689	6.679	6.713	VV	2607	46518	0.76%	0.054%
78	6.728	6.713	6.761	VV	3037	54353	0.89%	0.063%
79	6.781	6.761	6.808	VV	2843	55029	0.90%	0.064%
80	6.834	6.808	6.859	VV	4741	86045	1.40%	0.100%
81	6.867	6.859	6.881	VV	2151	25707	0.42%	0.030%
82	6.896	6.881	6.931	VV	2234	54770	0.89%	0.064%
83	6.966	6.931	6.986	VV	2582	65594	1.07%	0.077%
84	7.008	6.986	7.048	VV	7206	172914	2.82%	0.202%
85	7.067	7.048	7.090	VV	7797	112863	1.84%	0.132%
86	7.111	7.090	7.120	VV	10519	117709	1.92%	0.137%
87	7.135	7.120	7.153	VV	17893	213509	3.48%	0.249%
88	7.168	7.153	7.190	VV	9494	114454	1.86%	0.134%
89	7.210	7.190	7.252	VV	10154	162684	2.65%	0.190%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

90	7.267	7.252	7.283	VV	3425	51015	0.83%	0.060%
91	7.313	7.283	7.331	VV	4490	88134		
92	7.357	7.331	7.374	VV	3078	67350		
93	7.394	7.374	7.408	VV	4915	75121		
94	7.432	7.408	7.463	VV	64989	703342	11	
95	7.484	7.463	7.510	VV	2842	69071		
96	7.554	7.510	7.581	VV	4117	135892	2.21%	0.159%
97	7.605	7.581	7.632	VV	6439	129686	2.11%	0.151%
98	7.645	7.632	7.671	VV	2758	49449	0.81%	0.058%
99	7.693	7.671	7.716	VV	3376	62439	1.02%	0.073%
100	7.747	7.716	7.758	VV	3232	62059	1.01%	0.072%
101	7.775	7.758	7.791	VV	4724	72563	1.18%	0.085%
102	7.800	7.791	7.836	VV	3257	62220	1.01%	0.073%
103	7.888	7.836	7.902	VV	7191	147916	2.41%	0.173%
104	7.913	7.902	7.933	VV	6178	79080	1.29%	0.092%
105	7.955	7.933	7.977	VV	7284	104927	1.71%	0.122%
106	8.000	7.977	8.031	VV	10692	158098	2.58%	0.184%
107	8.057	8.031	8.080	VV	8163	114617	1.87%	0.134%
108	8.127	8.080	8.151	VV	8996	146244	2.38%	0.171%
109	8.166	8.151	8.198	VV	2125	52967	0.86%	0.062%
110	8.217	8.198	8.236	VV	2830	45927	0.75%	0.054%
111	8.307	8.236	8.339	VV	353153	3714421	60.51%	4.333%
112	8.354	8.339	8.377	VV	2722	44573	0.73%	0.052%
113	8.420	8.377	8.441	VV	7412	124628	2.03%	0.145%
114	8.452	8.441	8.481	VV	2107	39348	0.64%	0.046%
115	8.500	8.481	8.521	VV	1509	31020	0.51%	0.036%
116	8.535	8.521	8.569	VV	1169	29319	0.48%	0.034%
117	8.619	8.569	8.645	VV	1346	45422	0.74%	0.053%
118	8.667	8.645	8.694	VV	1533	33531	0.55%	0.039%
119	8.716	8.694	8.741	VV	12911	153760	2.50%	0.179%
120	8.755	8.741	8.780	VV	1810	29849	0.49%	0.035%
121	8.797	8.780	8.821	VV	1918	29157	0.47%	0.034%
122	8.843	8.821	8.874	VV	4314	62799	1.02%	0.073%
123	8.895	8.874	8.941	VV	1456	26586	0.43%	0.031%
124	8.964	8.941	8.979	VV	453	8074	0.13%	0.009%
125	9.025	8.979	9.051	VV	1331	29754	0.48%	0.035%
126	9.068	9.051	9.104	VV	667	15904	0.26%	0.019%
127	9.130	9.104	9.175	VV	6344	89993	1.47%	0.105%
128	9.187	9.175	9.197	VV	314	3550	0.06%	0.004%
129	9.214	9.197	9.244	VV	499	7466	0.12%	0.009%
130	9.267	9.244	9.299	VV	256	4412	0.07%	0.005%
131	9.320	9.299	9.338	VV	224	3016	0.05%	0.004%
132	9.371	9.338	9.382	VV	287	5570	0.09%	0.006%
133	9.387	9.382	9.403	VV	230	1761	0.03%	0.002%
134	9.430	9.403	9.470	VV	413	7392	0.12%	0.009%
135	9.504	9.470	9.534	PV	2879	39220	0.64%	0.046%
136	9.550	9.534	9.568	VV	645	7949	0.13%	0.009%
137	9.593	9.568	9.614	VV	272	5897	0.10%	0.007%
138	9.643	9.614	9.667	VV	583	10765	0.18%	0.013%
139	9.689	9.667	9.737	VV	1858	23500	0.38%	0.027%
140	9.754	9.737	9.771	VV	190	2467	0.04%	0.003%
141	9.777	9.771	9.798	VV	145	1899	0.03%	0.002%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

142	9.828	9.798	9.873	VV	437	9603	0.16%	0.011%
143	9.911	9.873	9.977	VV	319195	3449253	56	
144	9.988	9.977	10.034	VV	231	4618		
145	10.042	10.034	10.073	VV	85	1731		
146	10.084	10.073	10.111	VV	157	2047		
147	10.122	10.111	10.141	PV	79	1379		
148	10.155	10.141	10.168	VV	158	1439	0.02%	0.002%
149	10.179	10.168	10.205	VV	107	1684	0.03%	0.002%
150	10.223	10.205	10.246	PV	185	2736	0.04%	0.003%
151	10.262	10.246	10.271	VV	202	2314	0.04%	0.003%
152	10.303	10.271	10.321	VV	356	7274	0.12%	0.008%
153	10.345	10.321	10.364	VV	264	5157	0.08%	0.006%
154	10.389	10.364	10.451	VV	306	9241	0.15%	0.011%
155	10.461	10.451	10.498	VV	162	2908	0.05%	0.003%
156	10.551	10.498	10.564	VV	291	7893	0.13%	0.009%
157	10.577	10.564	10.618	VV	326	7700	0.13%	0.009%
158	10.651	10.618	10.681	VV	676	12256	0.20%	0.014%
159	10.704	10.681	10.730	VV	489	9275	0.15%	0.011%
160	10.747	10.730	10.808	VV	542	15349	0.25%	0.018%
161	10.835	10.808	10.857	VV	256	5048	0.08%	0.006%
162	10.909	10.857	10.950	VV	2059	30723	0.50%	0.036%
163	10.984	10.950	11.010	VV	1979	27219	0.44%	0.032%
164	11.026	11.010	11.053	VV	365	6695	0.11%	0.008%
165	11.077	11.053	11.091	VV	261	4511	0.07%	0.005%
166	11.104	11.091	11.128	VV	235	2961	0.05%	0.003%
167	11.158	11.128	11.181	VV	851	10599	0.17%	0.012%
168	11.214	11.181	11.231	PV	182	2331	0.04%	0.003%
169	11.238	11.231	11.248	VV	20854	39852	0.65%	0.046%
170	11.285	11.248	11.317	VV	4795	65539	1.07%	0.076%
171	11.356	11.317	11.419	VV	310449	3449273	56.19%	4.024%
172	11.450	11.419	11.481	VV	1615	20448	0.33%	0.024%
173	11.501	11.481	11.512	VV	144	2112	0.03%	0.002%
174	11.517	11.512	11.569	VV	127	1952	0.03%	0.002%
175	11.578	11.569	11.601	VV	152	1333	0.02%	0.002%
176	11.676	11.601	11.727	PV	2902	38056	0.62%	0.044%
177	11.750	11.727	11.793	VV	343	8760	0.14%	0.010%
178	11.812	11.793	11.849	VV	558	10430	0.17%	0.012%
179	11.866	11.849	11.938	VV	359	9183	0.15%	0.011%
180	11.982	11.938	11.996	VV	396	8504	0.14%	0.010%
181	12.024	11.996	12.074	VV	810	17897	0.29%	0.021%
182	12.079	12.074	12.098	VV	249	2348	0.04%	0.003%
183	12.141	12.098	12.204	VV	331	14090	0.23%	0.016%
184	12.260	12.204	12.276	VV	432	11541	0.19%	0.013%
185	12.297	12.276	12.310	VV	507	7692	0.13%	0.009%
186	12.321	12.310	12.341	VV	499	6885	0.11%	0.008%
187	12.361	12.341	12.388	VV	548	10318	0.17%	0.012%
188	12.404	12.388	12.420	VV	353	6391	0.10%	0.007%
189	12.488	12.420	12.508	VV	1114	31130	0.51%	0.036%
190	12.530	12.508	12.562	VV	752	15051	0.25%	0.018%
191	12.607	12.562	12.630	VV	1060	18614	0.30%	0.022%
192	12.669	12.630	12.706	VV	304145	3471486	56.55%	4.050%
193	12.731	12.706	12.761	VV	1782	28712	0.47%	0.033%
194	12.786	12.761	12.861	VV	848	21572	0.35%	0.025%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

195	12.875	12.861	12.894	VV	306	4532	0.07%	0.005%
196	12.922	12.894	12.959	VV	441	12295		
197	12.981	12.959	13.003	VV	337	7993		
198	13.029	13.003	13.055	VV	2514	35645		
199	13.118	13.055	13.201	VV	515763	6138838	100	
200	13.223	13.201	13.243	VV	827	14542		
201	13.282	13.243	13.316	VV	277680	3328588	54.22%	3.883%
202	13.332	13.316	13.353	VV	1200	19496	0.32%	0.023%
203	13.377	13.353	13.431	VV	746	28520	0.46%	0.033%
204	13.454	13.431	13.472	VV	916	17087	0.28%	0.020%
205	13.514	13.472	13.528	VV	775	24411	0.40%	0.028%
206	13.551	13.528	13.560	VV	998	16882	0.28%	0.020%
207	13.573	13.560	13.613	VV	946	27462	0.45%	0.032%
208	13.628	13.613	13.641	VV	1002	14634	0.24%	0.017%
209	13.659	13.641	13.678	VV	1316	22596	0.37%	0.026%
210	13.712	13.678	13.753	VV	1561	52201	0.85%	0.061%
211	13.763	13.753	13.796	VV	1076	26518	0.43%	0.031%
212	13.816	13.796	13.831	VV	1849	31554	0.51%	0.037%
213	13.869	13.831	13.908	VV	270501	3335961	54.34%	3.892%
214	13.927	13.908	13.945	VV	1724	32669	0.53%	0.038%
215	13.957	13.945	13.969	VV	1298	17934	0.29%	0.021%
216	13.998	13.969	14.010	VV	1421	32444	0.53%	0.038%
217	14.022	14.010	14.043	VV	1412	27108	0.44%	0.032%
218	14.097	14.043	14.128	VV	2011	82653	1.35%	0.096%
219	14.162	14.128	14.176	VV	1757	46819	0.76%	0.055%
220	14.193	14.176	14.218	VV	1756	41486	0.68%	0.048%
221	14.264	14.218	14.273	VV	1941	57602	0.94%	0.067%
222	14.304	14.273	14.326	VV	3307	77653	1.26%	0.091%
223	14.336	14.326	14.358	VV	2203	40072	0.65%	0.047%
224	14.385	14.358	14.409	VV	2815	70199	1.14%	0.082%
225	14.431	14.409	14.462	VV	3200	80542	1.31%	0.094%
226	14.501	14.462	14.519	VV	2577	80346	1.31%	0.094%
227	14.571	14.519	14.591	VV	2546	104063	1.70%	0.121%
228	14.597	14.591	14.607	VV	2373	22805	0.37%	0.027%
229	14.637	14.607	14.664	VV	2786	86826	1.41%	0.101%
230	14.695	14.664	14.742	VV	3401	135001	2.20%	0.157%
231	14.753	14.742	14.768	VV	2661	42042	0.68%	0.049%
232	14.831	14.768	14.847	VV	3455	136739	2.23%	0.160%
233	14.915	14.847	14.936	VV	3839	181828	2.96%	0.212%
234	14.975	14.936	15.012	VV	248925	3417253	55.67%	3.986%
235	15.027	15.012	15.045	VV	3880	71820	1.17%	0.084%
236	15.055	15.045	15.072	VV	3524	53536	0.87%	0.062%
237	15.083	15.072	15.095	VV	3312	45089	0.73%	0.053%
238	15.112	15.095	15.134	VV	3374	76365	1.24%	0.089%
239	15.165	15.134	15.211	VV	3838	161758	2.63%	0.189%
240	15.224	15.211	15.239	VV	3821	60313	0.98%	0.070%
241	15.252	15.239	15.268	VV	3670	61762	1.01%	0.072%
242	15.294	15.268	15.314	VV	4015	105409	1.72%	0.123%
243	15.324	15.314	15.341	VV	3836	59852	0.97%	0.070%
244	15.414	15.341	15.467	VV	4234	291395	4.75%	0.340%
245	15.494	15.467	15.523	VV	6418	164335	2.68%	0.192%
246	15.540	15.523	15.585	VV	4513	150975	2.46%	0.176%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

247	15.599	15.585	15.612	VV	3867	59603	0.97%	0.070%
248	15.635	15.612	15.651	VV	4047	88482		
249	15.674	15.651	15.707	VV	4096	130969		
250	15.721	15.707	15.751	VV	4236	107217		
251	15.760	15.751	15.783	VV	4218	78373		
252	15.809	15.783	15.838	VV	4448	138288		
253	15.848	15.838	15.856	VV	4421	48208	0.79%	0.056%
254	15.871	15.856	15.907	VV	4375	130623	2.13%	0.152%
255	15.922	15.907	15.938	VV	4302	74862	1.22%	0.087%
256	15.998	15.938	16.115	VV	242873	3660723	59.63%	4.270%
257	16.171	16.115	16.184	VV	4428	167672	2.73%	0.196%
258	16.192	16.184	16.265	VV	4622	206067	3.36%	0.240%
259	16.303	16.265	16.334	VV	4747	184476	3.01%	0.215%
260	16.345	16.334	16.388	VV	4709	146150	2.38%	0.170%
261	16.398	16.388	16.420	VV	4206	78966	1.29%	0.092%
262	16.478	16.420	16.547	VV	7049	366680	5.97%	0.428%
263	16.562	16.547	16.570	VV	4143	55115	0.90%	0.064%
264	16.644	16.570	16.662	VV	5023	245586	4.00%	0.286%
265	16.672	16.662	16.691	VV	4745	79001	1.29%	0.092%
266	16.700	16.691	16.720	VV	4842	78769	1.28%	0.092%
267	16.731	16.720	16.744	VV	4412	60610	0.99%	0.071%
268	16.761	16.744	16.774	VV	4554	80113	1.31%	0.093%
269	16.823	16.774	16.837	VV	5052	174333	2.84%	0.203%
270	16.847	16.837	16.889	VV	4930	139609	2.27%	0.163%
271	16.949	16.889	17.044	VV	250676	3601054	58.66%	4.201%
272	17.079	17.044	17.101	VV	4706	148734	2.42%	0.174%
273	17.108	17.101	17.126	VV	4401	64729	1.05%	0.076%
274	17.143	17.126	17.157	VV	4389	79267	1.29%	0.092%
275	17.194	17.157	17.224	VV	4963	185593	3.02%	0.217%
276	17.270	17.224	17.313	VV	5374	244815	3.99%	0.286%
277	17.328	17.313	17.344	VV	4370	77527	1.26%	0.090%
278	17.397	17.344	17.424	VV	5848	235281	3.83%	0.274%
279	17.433	17.424	17.459	VV	4221	84965	1.38%	0.099%
280	17.527	17.483	17.554	VV	4827	183966	3.00%	0.215%
281	17.572	17.554	17.591	VV	4149	86546	1.41%	0.101%
282	17.606	17.591	17.651	VV	3971	135615	2.21%	0.158%
283	17.694	17.651	17.703	VV	3944	115264	1.88%	0.134%
284	17.727	17.703	17.771	VV	6193	185026	3.01%	0.216%
285	17.838	17.771	17.881	VV	250445	3494321	56.92%	4.076%
286	17.889	17.881	17.944	VV	3616	128409	2.09%	0.150%
287	17.993	17.944	18.074	VV	4598	285774	4.66%	0.333%
288	18.099	18.074	18.158	VV	3266	155450	2.53%	0.181%
289	18.169	18.158	18.181	VV	3012	40500	0.66%	0.047%
290	18.196	18.181	18.209	VV	3332	54087	0.88%	0.063%
291	18.220	18.209	18.237	VV	3267	55017	0.90%	0.064%
292	18.260	18.237	18.293	VV	4762	118205	1.93%	0.138%
293	18.316	18.293	18.334	VV	2906	68582	1.12%	0.080%
294	18.361	18.334	18.378	VV	3455	80559	1.31%	0.094%
295	18.392	18.378	18.434	VV	3006	92665	1.51%	0.108%
296	18.443	18.434	18.457	VV	2511	32593	0.53%	0.038%
297	18.480	18.457	18.496	VV	2720	60099	0.98%	0.070%
298	18.515	18.496	18.548	VV	2718	78665	1.28%	0.092%
299	18.550	18.548	18.561	VV	2553	19335	0.31%	0.023%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

300	18.569	18.561	18.591	VV	2390	40896	0.67%	0.048%
301	18.603	18.591	18.624	VV	2229	42002		
302	18.674	18.624	18.758	VV	225620	3434188	55	
303	18.785	18.758	18.813	VV	2398	69937		
304	18.836	18.813	18.846	VV	2217	41513		
305	18.865	18.846	18.901	VV	2372	68549		
306	18.925	18.901	18.962	VV	2085	69145	1.13%	0.081%
307	18.976	18.962	18.998	VV	1815	36091	0.59%	0.042%
308	19.015	18.998	19.031	VV	1654	31700	0.52%	0.037%
309	19.070	19.031	19.156	VV	3619	147714	2.41%	0.172%
310	19.178	19.156	19.229	VV	1917	71483	1.16%	0.083%
311	19.248	19.229	19.260	VV	1770	29831	0.49%	0.035%
312	19.271	19.260	19.286	VV	1726	25431	0.41%	0.030%
313	19.317	19.286	19.344	VV	1701	54667	0.89%	0.064%
314	19.352	19.344	19.367	VV	1584	20781	0.34%	0.024%
315	19.388	19.367	19.407	VV	1575	35068	0.57%	0.041%
316	19.459	19.407	19.547	VV	227959	3449363	56.19%	4.024%
317	19.562	19.547	19.571	VV	1592	21528	0.35%	0.025%
318	19.589	19.571	19.607	VV	1708	34597	0.56%	0.040%
319	19.619	19.607	19.634	VV	1612	25051	0.41%	0.029%
320	19.673	19.634	19.688	VV	2173	64857	1.06%	0.076%
321	19.699	19.688	19.708	VV	2265	27304	0.44%	0.032%
322	19.714	19.708	19.721	VV	2201	16518	0.27%	0.019%
323	19.741	19.721	19.761	VV	2376	53606	0.87%	0.063%
324	19.778	19.761	19.794	VV	2179	41095	0.67%	0.048%
325	19.832	19.794	19.859	VV	3277	97818	1.59%	0.114%
326	19.893	19.859	19.921	VV	2307	81703	1.33%	0.095%
327	19.937	19.921	19.948	VV	2258	36028	0.59%	0.042%
328	19.992	19.948	20.002	VV	2486	77393	1.26%	0.090%
329	20.014	20.002	20.027	VV	2578	34799	0.57%	0.041%
330	20.038	20.027	20.051	VV	2353	32916	0.54%	0.038%
331	20.107	20.051	20.134	VV	2997	128630	2.10%	0.150%
332	20.201	20.134	20.251	VV	234949	3469415	56.52%	4.047%
333	20.266	20.251	20.287	VV	2933	61880	1.01%	0.072%
334	20.297	20.287	20.314	VV	2912	47511	0.77%	0.055%
335	20.325	20.314	20.349	VV	2974	59279	0.97%	0.069%
336	20.362	20.349	20.390	VV	2855	69956	1.14%	0.082%
337	20.507	20.390	20.545	VV	3995	314098	5.12%	0.366%
338	20.559	20.545	20.598	VV	3752	100481	1.64%	0.117%
339	20.603	20.598	20.628	VV	2565	44642	0.73%	0.052%
340	20.634	20.628	20.667	VV	2516	57584	0.94%	0.067%
341	20.678	20.667	20.695	VV	2462	41614	0.68%	0.049%
342	20.711	20.695	20.734	VV	2599	58226	0.95%	0.068%
343	20.765	20.734	20.776	VV	2499	61207	1.00%	0.071%
344	20.794	20.776	20.837	VV	2441	85437	1.39%	0.100%
345	20.850	20.837	20.907	VV	2375	91992	1.50%	0.107%
346	20.970	20.907	21.034	VV	171427	3366157	54.83%	3.927%
347	21.044	21.034	21.104	VV	2285	87302	1.42%	0.102%
348	21.117	21.104	21.135	VV	1955	35404	0.58%	0.041%
349	21.151	21.135	21.188	VV	1883	55774	0.91%	0.065%
350	21.193	21.188	21.248	VV	1732	57450	0.94%	0.067%
351	21.253	21.248	21.280	VV	1551	28256	0.46%	0.033%

12

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

A B C D E F G H I J

rteres

352	21.318	21.280	21.328	VV	1436	39433	0.64%	0.046%
353	21.357	21.328	21.378	VV	1427	40748		
354	21.414	21.378	21.464	VV	1939	81085		
355	21.474	21.464	21.488	VV	1248	17043		
356	21.514	21.488	21.541	VV	1288	39761		
357	21.550	21.541	21.644	VV	1280	69496		
358	21.656	21.644	21.695	VV	939	27094	0.44%	0.032%
359	21.705	21.695	21.731	VV	870	18090	0.29%	0.021%
360	21.745	21.731	21.763	VV	911	15948	0.26%	0.019%
361	21.794	21.763	21.863	VV	1039	50096	0.82%	0.058%
362	21.939	21.863	22.093	VV	115545	2997687	48.83%	3.497%
363	22.107	22.093	22.117	VV	696	9626	0.16%	0.011%
364	22.133	22.117	22.211	VV	707	32541	0.53%	0.038%
365	22.218	22.211	22.372	VV	580	31274	0.51%	0.036%

Sum of corrected areas: 85722590

Aliphatic EPH 052425.M Thu Jun 12 07:05:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049485.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 10:28
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MSD

Integration File: autoint1.e
Quant Time: Jun 13 21:20:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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...	7.733	6422490	38.635 ug/ml
Spiked Amount	50.000		Recovery =	77.27%
6) S	2-Flurobiphenyl (SURR)	8.599	4310794	37.683 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	75.37%
11) S	ortho-Terphenyl (SURR)	11.644	6612603	32.944 ug/ml
Spiked Amount	50.000		Recovery =	65.89%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.524	2066500	12.988 ug/ml
2) T	Naphthalene (C11.7)	6.067	2554939	14.551 ug/ml
3) T	2-Methylnaphthalene (...	7.121	2609761	14.608 ug/ml
5) T	Acenaphthylene (C15.06)	8.401	3078661	15.893 ug/ml
7) T	Acenaphthene (C15.5)	8.696	3179562	16.715 ug/ml
8) T	Flouorene (C16.55)	9.477	3339048	17.078 ug/ml
9) T	Phenanthrene (C19.36)	10.876	3627949	19.080 ug/ml
10) T	Anthracene (C19.43)	10.950	3257528	18.634 ug/ml
12) T	Fluoranthene (C21.85)	12.690	3658473	20.282 ug/ml
13) T	Pyrene (C20.8)	12.988	3565559	19.977 ug/ml
14) T	Benzo[a]anthracene (C...	14.859	3096764	20.375 ug/ml
15) T	Chrysene (C27.41)	14.902	3386617	22.302 ug/ml
16) T	benzo[b]fluoranthene ...	16.409	3021110	20.872 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.442	2904297	20.239 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.789	2870129	21.117 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.153	2943227	23.042 ug/ml
20) T	Dibenz[a,h]anthracene...	18.193	2786556	20.699 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.409	2739045	20.322 ug/ml

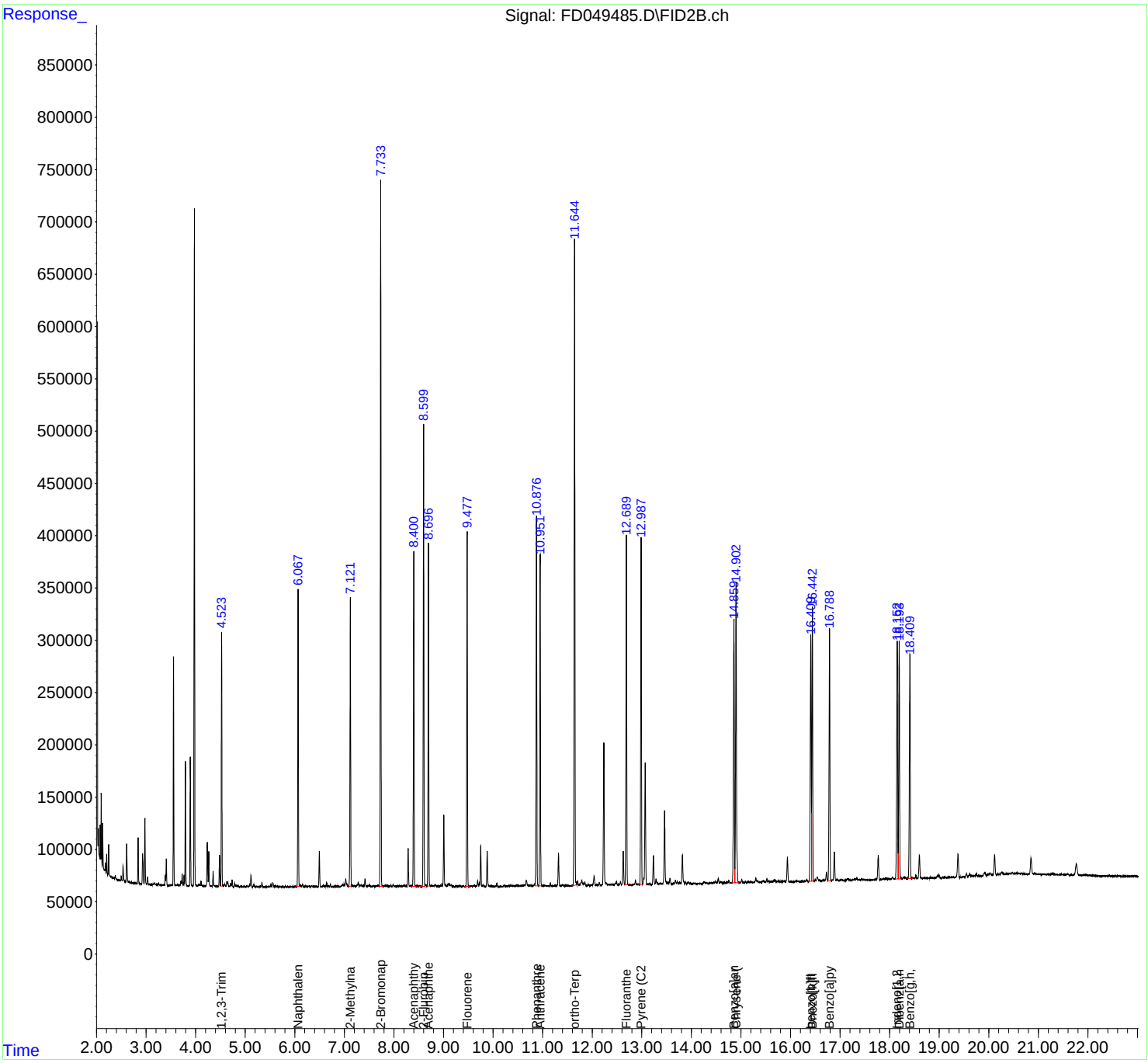
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049485.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 10:28
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MSD

Integration File: autoint1.e
Quant Time: Jun 13 21:20:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 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\FD061325AR\
Data File : FD049485.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 10:28
Sample : Q2177-02MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.265	4.252	4.308	PH	33372	289960	4.36%	0.327%
2	4.323	4.308	4.331	PV	317	2173	0.03%	0.002%
3	4.352	4.331	4.370	PV	14111	111883	1.68%	0.126%
4	4.373	4.370	4.404	VV	899	8077	0.12%	0.009%
5	4.414	4.404	4.425	VV	230	2074	0.03%	0.002%
6	4.430	4.425	4.451	VV	545	3278	0.05%	0.004%
7	4.481	4.458	4.502	PV	30062	265773	3.99%	0.299%
8	4.524	4.502	4.549	VV	242594	2080660	31.25%	2.343%
9	4.562	4.549	4.572	VV	1174	12949	0.19%	0.015%
10	4.586	4.572	4.610	VV	2354	30661	0.46%	0.035%
11	4.630	4.610	4.641	VV	5058	54585	0.82%	0.061%
12	4.650	4.641	4.677	VV	4281	42921	0.64%	0.048%
13	4.706	4.677	4.719	VV	3330	34594	0.52%	0.039%
14	4.736	4.719	4.758	VV	6495	61886	0.93%	0.070%
15	4.788	4.758	4.804	VV	3495	32077	0.48%	0.036%
16	4.815	4.804	4.842	VV	1585	18625	0.28%	0.021%
17	4.853	4.842	4.885	VV	834	9747	0.15%	0.011%
18	4.899	4.885	4.914	PV	253	2744	0.04%	0.003%
19	4.927	4.914	4.944	VV	575	5406	0.08%	0.006%
20	4.954	4.944	4.966	VV	293	2869	0.04%	0.003%
21	4.978	4.966	4.982	VV	447	2857	0.04%	0.003%
22	4.986	4.982	5.006	VV	509	4825	0.07%	0.005%
23	5.038	5.006	5.066	VV	758	15795	0.24%	0.018%
24	5.090	5.066	5.099	VV	2455	24217	0.36%	0.027%
25	5.116	5.099	5.148	VV	11171	121229	1.82%	0.137%
26	5.173	5.148	5.209	VV	2332	31720	0.48%	0.036%
27	5.224	5.209	5.242	VV	663	8477	0.13%	0.010%
28	5.247	5.242	5.259	VV	313	1374	0.02%	0.002%
29	5.294	5.259	5.298	PV	612	8256	0.12%	0.009%
30	5.307	5.298	5.322	VV	798	7032	0.11%	0.008%
31	5.337	5.322	5.382	VV	4136	44625	0.67%	0.050%
32	5.395	5.382	5.428	VV	541	8839	0.13%	0.010%
33	5.440	5.428	5.450	VV	332	2147	0.03%	0.002%
34	5.483	5.450	5.497	VV	770	10926	0.16%	0.012%
35	5.517	5.497	5.535	VV	2524	27752	0.42%	0.031%
36	5.559	5.535	5.602	VV	4058	56388	0.85%	0.064%

rteres

37	5.615	5.602	5.645	VV	1141	15427	0.23%	0.017%
38	5.655	5.645	5.663	VV	497	3170	0.05%	0.004%
39	5.669	5.663	5.689	VV	443	5094	0.08%	0.006%
40	5.700	5.689	5.742	VV	578	8434	0.13%	0.009%
41	5.762	5.742	5.781	VV	480	5522	0.08%	0.006%
42	5.786	5.781	5.795	VV	165	1033	0.02%	0.001%
43	5.809	5.795	5.842	VV	819	11225	0.17%	0.013%
44	5.863	5.842	5.873	VV	529	6648	0.10%	0.007%
45	5.881	5.873	5.910	VV	439	7452	0.11%	0.008%
46	5.921	5.910	5.952	VV	531	9942	0.15%	0.011%
47	5.970	5.952	5.982	VV	624	7182	0.11%	0.008%
48	6.002	5.982	6.015	VV	541	8378	0.13%	0.009%
49	6.020	6.015	6.028	VV	742	4325	0.06%	0.005%
50	6.067	6.028	6.101	VV	284940	2588810	38.89%	2.915%
51	6.114	6.101	6.139	VV	1830	23583	0.35%	0.027%
52	6.156	6.139	6.187	VV	3145	38690	0.58%	0.044%
53	6.219	6.187	6.247	VV	1139	24296	0.36%	0.027%
54	6.254	6.247	6.262	VV	556	4394	0.07%	0.005%
55	6.286	6.262	6.317	VV	1011	21905	0.33%	0.025%
56	6.319	6.317	6.324	VV	408	1532	0.02%	0.002%
57	6.344	6.324	6.368	VV	1294	18454	0.28%	0.021%
58	6.375	6.368	6.403	VV	547	9001	0.14%	0.010%
59	6.408	6.403	6.414	VV	428	2505	0.04%	0.003%
60	6.418	6.414	6.424	VV	429	2126	0.03%	0.002%
61	6.433	6.424	6.442	VV	435	3991	0.06%	0.004%
62	6.459	6.442	6.464	VV	533	5203	0.08%	0.006%
63	6.496	6.464	6.525	VV	34265	335883	5.05%	0.378%
64	6.538	6.525	6.550	VV	676	7191	0.11%	0.008%
65	6.582	6.550	6.602	VV	1424	25940	0.39%	0.029%
66	6.614	6.602	6.629	VV	1347	14282	0.21%	0.016%
67	6.646	6.629	6.669	VV	3674	42520	0.64%	0.048%
68	6.677	6.669	6.692	VV	955	9904	0.15%	0.011%
69	6.718	6.692	6.737	VV	1948	23098	0.35%	0.026%
70	6.770	6.737	6.796	VV	606	13896	0.21%	0.016%
71	6.822	6.796	6.849	VV	1012	14940	0.22%	0.017%
72	6.878	6.849	6.885	VV	735	10993	0.17%	0.012%
73	6.890	6.885	6.918	VV	734	7071	0.11%	0.008%
74	6.940	6.918	6.951	VV	1464	18390	0.28%	0.021%
75	6.964	6.951	6.977	VV	2872	29495	0.44%	0.033%
76	6.992	6.977	7.005	VV	2603	32741	0.49%	0.037%
77	7.029	7.005	7.079	VV	7736	127424	1.91%	0.143%
78	7.121	7.079	7.147	VV	276791	2637346	39.61%	2.970%
79	7.154	7.147	7.184	VV	1432	24288	0.36%	0.027%
80	7.198	7.184	7.212	VV	1331	15427	0.23%	0.017%
81	7.226	7.212	7.240	VV	1008	11120	0.17%	0.013%
82	7.257	7.240	7.265	VV	1941	20541	0.31%	0.023%
83	7.280	7.265	7.300	VV	4624	56890	0.85%	0.064%
84	7.311	7.300	7.323	VV	1597	19162	0.29%	0.022%
85	7.336	7.323	7.366	VV	1927	33049	0.50%	0.037%
86	7.384	7.366	7.397	VV	1861	24571	0.37%	0.028%
87	7.418	7.397	7.442	VV	7804	90523	1.36%	0.102%
88	7.459	7.442	7.464	VV	1003	9770	0.15%	0.011%
89	7.483	7.464	7.498	VV	1194	17752	0.27%	0.020%

rteres

90	7.510	7.498	7.535	VV	1650	22579	0.34%	0.025%
91	7.539	7.535	7.548	VV	549	3993	0.06%	0.004%
92	7.560	7.548	7.565	VV	624	5457	0.08%	0.006%
93	7.594	7.565	7.615	VV	1144	23239	0.35%	0.026%
94	7.650	7.615	7.661	VV	975	18901	0.28%	0.021%
95	7.680	7.661	7.700	VV	2134	27145	0.41%	0.031%
96	7.733	7.700	7.778	VV	676068	6448524	96.86%	7.262%
97	7.782	7.778	7.802	VV	845	9906	0.15%	0.011%
98	7.821	7.802	7.835	VV	1310	20100	0.30%	0.023%
99	7.845	7.835	7.861	VV	1267	14602	0.22%	0.016%
100	7.874	7.861	7.886	VV	1187	13284	0.20%	0.015%
101	7.896	7.886	7.920	VV	874	13441	0.20%	0.015%
102	7.940	7.920	7.960	VV	1138	15683	0.24%	0.018%
103	7.984	7.960	8.016	VV	2612	35642	0.54%	0.040%
104	8.040	8.016	8.057	VV	1103	16170	0.24%	0.018%
105	8.071	8.057	8.095	VV	816	14627	0.22%	0.016%
106	8.111	8.095	8.147	VV	1368	22444	0.34%	0.025%
107	8.159	8.147	8.164	VV	569	4742	0.07%	0.005%
108	8.192	8.164	8.197	VV	1180	18328	0.28%	0.021%
109	8.213	8.197	8.264	VV	1531	43272	0.65%	0.049%
110	8.287	8.264	8.314	VV	36774	379780	5.70%	0.428%
111	8.319	8.314	8.330	VV	822	6758	0.10%	0.008%
112	8.345	8.330	8.365	VV	1831	22426	0.34%	0.025%
113	8.401	8.365	8.464	VV	320467	3106049	46.66%	3.498%
114	8.483	8.464	8.503	VV	1212	18559	0.28%	0.021%
115	8.521	8.503	8.555	VV	924	16188	0.24%	0.018%
116	8.599	8.555	8.629	VV	442124	4332037	65.07%	4.878%
117	8.650	8.629	8.667	VV	2111	34077	0.51%	0.038%
118	8.696	8.667	8.737	VV	329014	3215437	48.30%	3.621%
119	8.743	8.737	8.761	VV	1250	14842	0.22%	0.017%
120	8.774	8.761	8.792	VV	1173	17516	0.26%	0.020%
121	8.798	8.792	8.807	VV	912	7543	0.11%	0.008%
122	8.822	8.807	8.837	VV	1854	23226	0.35%	0.026%
123	8.843	8.837	8.864	VV	1289	13799	0.21%	0.016%
124	8.896	8.864	8.917	VV	657	15038	0.23%	0.017%
125	8.938	8.917	8.951	VV	1238	14745	0.22%	0.017%
126	8.967	8.951	8.981	VV	2353	26139	0.39%	0.029%
127	9.007	8.981	9.031	VV	68664	676147	10.16%	0.761%
128	9.041	9.031	9.075	VV	1608	32989	0.50%	0.037%
129	9.091	9.075	9.100	VV	2402	27225	0.41%	0.031%
130	9.105	9.100	9.114	VV	2114	16389	0.25%	0.018%
131	9.126	9.114	9.147	VV	2487	36508	0.55%	0.041%
132	9.160	9.147	9.180	VV	1996	23629	0.35%	0.027%
133	9.194	9.180	9.218	VV	779	9255	0.14%	0.010%
134	9.252	9.218	9.275	VV	596	10156	0.15%	0.011%
135	9.292	9.275	9.312	VV	829	11140	0.17%	0.013%
136	9.330	9.312	9.370	VV	1096	18108	0.27%	0.020%
137	9.394	9.370	9.426	PV	848	16992	0.26%	0.019%
138	9.440	9.426	9.445	VV	463	4006	0.06%	0.005%
139	9.477	9.445	9.535	VV	338962	3357500	50.43%	3.781%
140	9.557	9.535	9.587	VV	833	17618	0.26%	0.020%
141	9.623	9.587	9.642	VV	1327	30652	0.46%	0.035%

rteres

142	9.651	9.642	9.670	VV	803	10937	0.16%	0.012%
143	9.690	9.670	9.706	VV	5895	63650	0.96%	0.072%
144	9.722	9.706	9.732	VV	3411	35470	0.53%	0.040%
145	9.751	9.732	9.780	VV	39159	395601	5.94%	0.445%
146	9.797	9.780	9.819	VV	1577	22426	0.34%	0.025%
147	9.823	9.819	9.837	VV	635	4601	0.07%	0.005%
148	9.840	9.837	9.850	VV	269	2033	0.03%	0.002%
149	9.882	9.850	9.924	VV	34068	373081	5.60%	0.420%
150	9.928	9.924	9.937	VV	533	2620	0.04%	0.003%
151	9.961	9.937	9.979	VV	732	13165	0.20%	0.015%
152	9.989	9.979	10.010	VV	521	6890	0.10%	0.008%
153	10.024	10.010	10.030	VV	308	2514	0.04%	0.003%
154	10.077	10.030	10.119	VV	3639	49570	0.74%	0.056%
155	10.127	10.119	10.140	VV	356	2777	0.04%	0.003%
156	10.145	10.140	10.149	VV	214	1021	0.02%	0.001%
157	10.163	10.149	10.176	VV	525	4469	0.07%	0.005%
158	10.223	10.176	10.246	PV	1551	24552	0.37%	0.028%
159	10.252	10.246	10.257	VV	512	2576	0.04%	0.003%
160	10.276	10.257	10.287	VV	785	9226	0.14%	0.010%
161	10.319	10.287	10.337	VV	893	17846	0.27%	0.020%
162	10.356	10.337	10.381	VV	1586	26331	0.40%	0.030%
163	10.400	10.381	10.424	VV	1163	19552	0.29%	0.022%
164	10.432	10.424	10.438	VV	550	3034	0.05%	0.003%
165	10.444	10.438	10.450	VV	522	2929	0.04%	0.003%
166	10.470	10.450	10.510	VV	1246	30958	0.47%	0.035%
167	10.522	10.510	10.542	VV	1252	16800	0.25%	0.019%
168	10.548	10.542	10.559	VV	768	7165	0.11%	0.008%
169	10.570	10.559	10.584	VV	968	10645	0.16%	0.012%
170	10.610	10.584	10.626	VV	1307	23386	0.35%	0.026%
171	10.639	10.626	10.650	VV	1334	16494	0.25%	0.019%
172	10.673	10.650	10.697	VV	5550	95214	1.43%	0.107%
173	10.710	10.697	10.725	VV	1063	14945	0.22%	0.017%
174	10.752	10.725	10.766	VV	1286	24580	0.37%	0.028%
175	10.771	10.766	10.797	VV	776	11119	0.17%	0.013%
176	10.817	10.797	10.825	VV	1031	14009	0.21%	0.016%
177	10.841	10.825	10.848	VV	2789	26735	0.40%	0.030%
178	10.876	10.848	10.920	VV	355132	3652813	54.87%	4.114%
179	10.950	10.920	10.989	VV	317005	3279607	49.26%	3.693%
180	10.992	10.989	11.013	VV	721	8940	0.13%	0.010%
181	11.029	11.013	11.042	VV	917	14226	0.21%	0.016%
182	11.047	11.042	11.101	VV	969	20800	0.31%	0.023%
183	11.106	11.101	11.110	VV	406	1700	0.03%	0.002%
184	11.115	11.110	11.125	VV	416	3300	0.05%	0.004%
185	11.131	11.125	11.136	VV	358	1952	0.03%	0.002%
186	11.156	11.136	11.206	VV	3253	40780	0.61%	0.046%
187	11.253	11.206	11.260	PV	761	12810	0.19%	0.014%
188	11.262	11.260	11.273	VV	680	3952	0.06%	0.004%
189	11.320	11.273	11.348	VV	31405	361818	5.43%	0.407%
190	11.409	11.348	11.445	VV	1168	33766	0.51%	0.038%
191	11.472	11.445	11.497	VV	923	14643	0.22%	0.016%
192	11.522	11.497	11.549	VV	653	11095	0.17%	0.012%
193	11.565	11.549	11.579	VV	399	4673	0.07%	0.005%
194	11.644	11.579	11.689	VV	616910	6657445	100.00%	7.497%

rteres

195	11.705	11.689	11.725	VV	5133	62336	0.94%	0.070%
196	11.738	11.725	11.754	VV	1452	18711	0.28%	0.021%
197	11.770	11.754	11.775	VV	2993	27709	0.42%	0.031%
198	11.790	11.775	11.814	VV	5259	84384	1.27%	0.095%
199	11.822	11.814	11.836	VV	2801	28554	0.43%	0.032%
200	11.852	11.836	11.879	VV	3683	46376	0.70%	0.052%
201	11.920	11.879	11.945	PV	1068	18566	0.28%	0.021%
202	11.983	11.945	12.004	VV	1054	23273	0.35%	0.026%
203	12.038	12.004	12.065	VV	9506	139923	2.10%	0.158%
204	12.079	12.065	12.098	VV	1458	18306	0.27%	0.021%
205	12.104	12.098	12.107	VV	574	2787	0.04%	0.003%
206	12.143	12.107	12.163	VV	3093	43545	0.65%	0.049%
207	12.178	12.163	12.184	VV	570	5560	0.08%	0.006%
208	12.235	12.184	12.279	VV	136715	1628690	24.46%	1.834%
209	12.291	12.279	12.318	VV	2014	35381	0.53%	0.040%
210	12.322	12.318	12.333	VV	1036	7825	0.12%	0.009%
211	12.346	12.333	12.355	VV	975	11566	0.17%	0.013%
212	12.367	12.355	12.377	VV	975	11151	0.17%	0.013%
213	12.394	12.377	12.402	VV	1218	15376	0.23%	0.017%
214	12.410	12.402	12.430	VV	1158	15110	0.23%	0.017%
215	12.434	12.430	12.445	VV	675	5500	0.08%	0.006%
216	12.465	12.445	12.472	VV	2071	24412	0.37%	0.027%
217	12.488	12.472	12.509	VV	3455	50167	0.75%	0.056%
218	12.518	12.509	12.532	VV	1033	11414	0.17%	0.013%
219	12.541	12.532	12.550	VV	876	7572	0.11%	0.009%
220	12.570	12.550	12.588	VV	3332	43304	0.65%	0.049%
221	12.626	12.588	12.653	VV	32704	405645	6.09%	0.457%
222	12.690	12.653	12.736	VV	335181	3688250	55.40%	4.153%
223	12.755	12.736	12.771	VV	618	8612	0.13%	0.010%
224	12.776	12.771	12.799	VV	393	4366	0.07%	0.005%
225	12.820	12.799	12.827	VV	515	6174	0.09%	0.007%
226	12.843	12.827	12.857	VV	784	10464	0.16%	0.012%
227	12.873	12.857	12.896	VV	4737	57020	0.86%	0.064%
228	12.900	12.896	12.915	VV	1022	9817	0.15%	0.011%
229	12.922	12.915	12.939	VV	829	8619	0.13%	0.010%
230	12.945	12.939	12.955	VV	375	3103	0.05%	0.003%
231	12.988	12.955	13.014	VV	331679	3582296	53.81%	4.034%
232	13.041	13.014	13.046	VV	6880	71312	1.07%	0.080%
233	13.070	13.046	13.100	VV	116896	1363539	20.48%	1.536%
234	13.116	13.100	13.139	VV	727	12677	0.19%	0.014%
235	13.156	13.139	13.180	VV	1746	23755	0.36%	0.027%
236	13.193	13.180	13.204	VV	461	4752	0.07%	0.005%
237	13.236	13.204	13.266	VV	27790	348028	5.23%	0.392%
238	13.288	13.266	13.310	VV	5594	78669	1.18%	0.089%
239	13.315	13.310	13.340	VV	1689	20903	0.31%	0.024%
240	13.378	13.340	13.395	VV	1505	30338	0.46%	0.034%
241	13.408	13.395	13.420	VV	944	11328	0.17%	0.013%
242	13.461	13.420	13.534	VV	70509	912449	13.71%	1.028%
243	13.569	13.534	13.598	VV	5951	101400	1.52%	0.114%
244	13.607	13.598	13.619	VV	543	6164	0.09%	0.007%
245	13.639	13.619	13.656	VV	1253	18633	0.28%	0.021%
246	13.677	13.656	13.700	VV	3782	56755	0.85%	0.064%

rteres

247	13.716	13.700	13.733	VV	2692	34126	0.51%	0.038%
248	13.738	13.733	13.748	VV	881	7111	0.11%	0.008%
249	13.766	13.748	13.790	VV	1916	31130	0.47%	0.035%
250	13.820	13.790	13.868	VV	27899	379403	5.70%	0.427%
251	13.886	13.868	13.910	VV	2151	29032	0.44%	0.033%
252	13.931	13.910	13.973	VV	1714	40473	0.61%	0.046%
253	13.993	13.973	14.014	VV	362	6093	0.09%	0.007%
254	14.036	14.014	14.042	VV	466	6410	0.10%	0.007%
255	14.050	14.042	14.056	VV	650	4797	0.07%	0.005%
256	14.064	14.056	14.093	VV	689	10297	0.15%	0.012%
257	14.099	14.093	14.112	VV	446	3217	0.05%	0.004%
258	14.125	14.112	14.136	PV	287	2942	0.04%	0.003%
259	14.146	14.136	14.172	VV	403	5617	0.08%	0.006%
260	14.179	14.172	14.192	VV	208	1404	0.02%	0.002%
261	14.214	14.199	14.226	VV	490	5754	0.09%	0.006%
262	14.257	14.226	14.284	VV	1826	38040	0.57%	0.043%
263	14.299	14.284	14.332	VV	1579	26584	0.40%	0.030%
264	14.340	14.332	14.347	VV	539	4814	0.07%	0.005%
265	14.386	14.347	14.394	VV	1068	21528	0.32%	0.024%
266	14.404	14.394	14.420	VV	1070	13004	0.20%	0.015%
267	14.443	14.420	14.453	VV	1021	13696	0.21%	0.015%
268	14.482	14.453	14.499	VV	2169	34319	0.52%	0.039%
269	14.505	14.499	14.514	VV	1093	8492	0.13%	0.010%
270	14.517	14.514	14.523	VV	943	4978	0.07%	0.006%
271	14.544	14.523	14.567	VV	4737	64389	0.97%	0.073%
272	14.598	14.567	14.627	VV	1609	35357	0.53%	0.040%
273	14.669	14.627	14.682	VV	921	17855	0.27%	0.020%
274	14.693	14.682	14.699	VV	802	7472	0.11%	0.008%
275	14.707	14.699	14.711	VV	912	6522	0.10%	0.007%
276	14.727	14.711	14.738	VV	1148	15310	0.23%	0.017%
277	14.757	14.738	14.780	VV	2808	39396	0.59%	0.044%
278	14.786	14.780	14.796	VV	406	3749	0.06%	0.004%
279	14.805	14.796	14.824	VV	559	7056	0.11%	0.008%
280	14.859	14.824	14.879	VV	252949	3110285	46.72%	3.503%
281	14.902	14.879	14.978	VV	288163	3410205	51.22%	3.840%
282	14.982	14.978	14.985	VV	361	1506	0.02%	0.002%
283	15.017	14.985	15.037	VV	3614	49399	0.74%	0.056%
284	15.055	15.037	15.073	VV	840	12650	0.19%	0.014%
285	15.092	15.073	15.112	VV	1520	20832	0.31%	0.023%
286	15.117	15.112	15.129	VV	464	4021	0.06%	0.005%
287	15.149	15.129	15.170	VV	1128	18521	0.28%	0.021%
288	15.193	15.170	15.206	VV	1039	17234	0.26%	0.019%
289	15.214	15.206	15.267	VV	822	16389	0.25%	0.018%
290	15.300	15.267	15.359	VV	4250	105975	1.59%	0.119%
291	15.363	15.359	15.393	VV	787	10753	0.16%	0.012%
292	15.456	15.393	15.474	VV	1769	46189	0.69%	0.052%
293	15.480	15.474	15.501	VV	1146	13658	0.21%	0.015%
294	15.524	15.501	15.545	VV	3080	43007	0.65%	0.048%
295	15.561	15.545	15.590	VV	1803	28651	0.43%	0.032%
296	15.604	15.590	15.620	VV	1164	15463	0.23%	0.017%
297	15.668	15.620	15.675	VV	1814	36107	0.54%	0.041%
298	15.683	15.675	15.719	VV	2087	36129	0.54%	0.041%
299	15.734	15.719	15.740	VV	726	7269	0.11%	0.008%

rteres

300	15.764	15.740	15.788	VV	1606	28137	0.42%	0.032%
301	15.800	15.788	15.808	VV	646	7041	0.11%	0.008%
302	15.812	15.808	15.824	VV	672	4747	0.07%	0.005%
303	15.847	15.824	15.859	VV	777	12236	0.18%	0.014%
304	15.874	15.859	15.892	VV	1176	15123	0.23%	0.017%
305	15.938	15.892	15.972	VV	24049	321963	4.84%	0.363%
306	15.996	15.972	16.005	VV	520	6311	0.09%	0.007%
307	16.008	16.005	16.013	VV	426	1223	0.02%	0.001%
308	16.019	16.013	16.026	VV	315	1696	0.03%	0.002%
309	16.034	16.026	16.040	VV	259	1359	0.02%	0.002%
310	16.054	16.040	16.059	VV	202	1187	0.02%	0.001%
311	16.066	16.059	16.077	PV	213	1453	0.02%	0.002%
312	16.084	16.077	16.097	VV	333	3371	0.05%	0.004%
313	16.134	16.097	16.143	VV	843	17357	0.26%	0.020%
314	16.146	16.143	16.171	VV	580	6433	0.10%	0.007%
315	16.192	16.171	16.209	PV	524	5122	0.08%	0.006%
316	16.232	16.209	16.255	VV	818	12243	0.18%	0.014%
317	16.275	16.255	16.282	VV	552	6459	0.10%	0.007%
318	16.327	16.282	16.363	VV	1276	33263	0.50%	0.037%
319	16.409	16.363	16.425	VV	235796	3035183	45.59%	3.418%
320	16.442	16.425	16.476	VV	262608	2917247	43.82%	3.285%
321	16.500	16.476	16.519	VV	1392	25055	0.38%	0.028%
322	16.541	16.519	16.631	VV	4378	104257	1.57%	0.117%
323	16.656	16.631	16.675	VV	1841	25673	0.39%	0.029%
324	16.726	16.675	16.754	VV	8569	130044	1.95%	0.146%
325	16.789	16.754	16.825	VV	240711	2888494	43.39%	3.253%
326	16.885	16.825	16.917	VV	27998	382678	5.75%	0.431%
327	16.934	16.917	16.973	VV	1524	29316	0.44%	0.033%
328	16.981	16.973	16.987	VV	412	2932	0.04%	0.003%
329	17.032	16.987	17.068	VV	1093	33297	0.50%	0.037%
330	17.090	17.068	17.105	VV	612	8381	0.13%	0.009%
331	17.151	17.105	17.187	VV	1735	48797	0.73%	0.055%
332	17.191	17.187	17.222	VV	871	11131	0.17%	0.013%
333	17.245	17.222	17.263	VV	815	14734	0.22%	0.017%
334	17.278	17.263	17.293	VV	1254	18552	0.28%	0.021%
335	17.307	17.293	17.315	VV	1264	14650	0.22%	0.016%
336	17.335	17.315	17.359	VV	2390	39008	0.59%	0.044%
337	17.368	17.359	17.379	VV	930	9360	0.14%	0.011%
338	17.393	17.379	17.415	VV	836	11752	0.18%	0.013%
339	17.438	17.415	17.464	VV	1537	24277	0.36%	0.027%
340	17.479	17.464	17.497	VV	838	9802	0.15%	0.011%
341	17.516	17.497	17.535	VV	655	10175	0.15%	0.011%
342	17.552	17.535	17.576	VV	599	8086	0.12%	0.009%
343	17.588	17.576	17.604	VV	268	1905	0.03%	0.002%
344	17.623	17.604	17.645	VV	462	6499	0.10%	0.007%
345	17.665	17.645	17.677	PV	459	4309	0.06%	0.005%
346	17.709	17.677	17.714	VV	457	6942	0.10%	0.008%
347	17.770	17.714	17.807	VV	23581	329445	4.95%	0.371%
348	17.833	17.807	17.839	VV	466	6223	0.09%	0.007%
349	17.864	17.839	17.887	VV	1016	20004	0.30%	0.023%
350	17.910	17.887	17.922	VV	960	14914	0.22%	0.017%
351	17.936	17.922	17.979	VV	1152	27108	0.41%	0.031%

rteres

352	17.990	17.979	18.024	VV	622	11557	0.17%	0.013%
353	18.056	18.024	18.079	VV	2194	37095	0.56%	0.042%
354	18.085	18.079	18.105	VV	732	8635	0.13%	0.010%
355	18.153	18.105	18.171	VV	227202	2958632	44.44%	3.332%
356	18.193	18.171	18.225	VV	228273	2788128	41.88%	3.140%
357	18.229	18.225	18.252	VV	1329	14271	0.21%	0.016%
358	18.281	18.252	18.296	VV	2118	31554	0.47%	0.036%
359	18.311	18.296	18.353	VV	1875	36421	0.55%	0.041%
360	18.358	18.353	18.367	VV	621	4841	0.07%	0.005%
361	18.409	18.367	18.473	VV	214779	2768118	41.58%	3.117%
362	18.484	18.473	18.504	VV	965	12945	0.19%	0.015%
363	18.530	18.504	18.555	VV	2803	42898	0.64%	0.048%
364	18.600	18.555	18.670	VV	22467	332399	4.99%	0.374%
365	18.704	18.670	18.734	VV	737	14186	0.21%	0.016%
366	18.746	18.734	18.753	VV	429	2765	0.04%	0.003%
367	18.759	18.753	18.780	VV	425	5111	0.08%	0.006%
368	18.830	18.788	18.847	PV	750	13737	0.21%	0.015%
369	18.855	18.847	18.865	VV	523	4067	0.06%	0.005%
370	18.874	18.865	18.889	VV	421	4381	0.07%	0.005%
371	18.908	18.889	18.922	PV	268	2819	0.04%	0.003%
372	18.962	18.922	18.977	PV	1241	10962	0.16%	0.012%
			Sum of corrected areas:			88799371		

Aromatic EPH 052425.M Fri Jun 13 22:45:29 2025

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

Manual Integration Report

Sequence:	FC052425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069003.D	n-Octacosane (C28)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069003.D	n-Tetracosane (C24)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	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:	FC060925AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069133.D	n-Octacosane (C28)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069133.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069133.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BS	FC069135.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:30 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BS	FC069135.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:30 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BSD	FC069136.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:32 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BSD	FC069136.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:32 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Tetracosane (C24)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BS	FC069142.D	n-Decane (C10)	yogesh	6/10/2025 7:52:35 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BSD	FC069143.D	n-Decane (C10)	yogesh	6/10/2025 7:52:37 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BSD	FC069143.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:37 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC060925AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2265-01MS	FC069146.D	n-Decane (C10)	yogesh	6/10/2025 7:52:39 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
Q2265-01MSD	FC069147.D	n-Decane (C10)	yogesh	6/10/2025 7:52:41 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
Q2265-01MSD	FC069147.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:41 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069150.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:43 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC061125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069156.D	n-Octacosane (C28)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069156.D	n-Octadecane (C18)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069156.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BS	FC069158.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:54 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BSD	FC069159.D	n-Octadecane (C18)	yogesh	6/12/2025 11:34:56 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BSD	FC069159.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:56 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069160.D	n-Decane (C10)	yogesh	6/12/2025 11:34:58 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069160.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:58 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069161.D	n-Decane (C10)	yogesh	6/12/2025 11:35:00 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069161.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:00 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-02	FC069162.D	n-Decane (C10)	yogesh	6/12/2025 11:35:02 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-02	FC069162.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:02 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MS	FC069165.D	n-Decane (C10)	yogesh	6/12/2025 11:35:04 AM	mohammad	6/13/2025 1:40:04	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:	FC061125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-02MS	FC069165.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:04 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MSD	FC069166.D	n-Decane (C10)	yogesh	6/12/2025 11:35:08 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MSD	FC069166.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:08 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Octacosane (C28)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Octadecane (C18)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Decane (C10)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Nonane (C9)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069177.D	n-Decane (C10)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC061125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-07	FC069177.D	n-Hexadecane (C16)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069177.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Decane (C10)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Hexadecane (C16)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069180.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:48 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069180.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:48 AM	mohammad	6/13/2025 1:40:04	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:	FC061225AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069183.D	n-Octacosane (C28)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2177-02MS	FC069188.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:42 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2177-02MSD	FC069189.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:44 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Hexacosane (C26)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Octatriacontane (C38)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BS	FC069193.D	n-Decane (C10)	yogesh	6/13/2025 7:21:47 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BS	FC069193.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:47 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BSD	FC069194.D	n-Decane (C10)	yogesh	6/13/2025 7:21:49 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC061225AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168441BSD	FC069194.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:49 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Docosane (C22)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Dodecane (C12)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Hexadecane (C16)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-09	FC069197.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:52 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-09	FC069197.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:52 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD052425AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD049394.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software
100 PPM AROMATIC HC	FD049394.D	Dibenz[a,h]anthracene (C30.36)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software
100 PPM AROMATIC HC	FD049394.D	Fluoranthene (C21.85)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD060925AR	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:	FD061125AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-02	FD049437.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	2-Methylnaphthalene (C12.89)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Acenaphthene (C15.5)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Acenaphthylene (C15.06)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Naphthalene (C11.7)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2177-04	FD049444.D	2-Flurobiphenyl (SURR)	yogesh	6/12/2025 11:36:34 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	2-Methylnaphthalene (C12.89)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Acenaphthene (C15.5)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Acenaphthylene (C15.06)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Anthracene (C19.43)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[a]anthracene (C26.37)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[a]pyrene (C31.34)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD061125AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-07	FD049452.D	benzo[b]fluoranthene (C30.41)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[g,h,i]perylene (C34.01)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Bnezo[k]fluoranthene (C30.14)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Naphthalene (C11.7)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Phenanthrene (C19.36)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Pyrene (C20.8)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD061225AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-03	FD049468.D	Phenanthrene (C19.36)	yogesh	6/13/2025 7:23:37 AM	mohammad	6/16/2025 2:08:44	Peak Integrated by Software
Q2286-03	FD049470.D	ortho-Terphenyl (SURR)	yogesh	6/13/2025 7:23:39 AM	mohammad	6/16/2025 2:08:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD061325AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2286-03DL	FD049486.D	2-Bromonaphthalene (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software
Q2286-03DL	FD049486.D	2-Flurobiphenyl (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software
Q2286-03DL	FD049486.D	ortho-Terphenyl (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM		
SubDirectory	FC052425AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC068996.D	23 May 2025 12:58	YP/AJ	Ok
2	I.BLK	FC068997.D	23 May 2025 13:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068998.D	23 May 2025 14:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068999.D	23 May 2025 14:50	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069000.D	23 May 2025 15:28	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069001.D	23 May 2025 16:05	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069002.D	23 May 2025 16:43	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069003.D	23 May 2025 17:20	YP/AJ	Ok,M
9	I.BLK	FC069004.D	23 May 2025 18:36	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069005.D	23 May 2025 19:13	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM		
SubDirectory	FC060925AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069131.D	09 Jun 2025 09:27	YP/AJ	Ok
2	I.BLK	FC069132.D	09 Jun 2025 10:07	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069133.D	09 Jun 2025 12:17	YP/AJ	Ok,M
4	PB168324BL	FC069134.D	09 Jun 2025 16:17	YP/AJ	Ok
5	PB168324BS	FC069135.D	09 Jun 2025 16:57	YP/AJ	Ok,M
6	PB168324BSD	FC069136.D	09 Jun 2025 17:37	YP/AJ	Ok,M
7	Q2177-08	FC069137.D	09 Jun 2025 18:17	YP/AJ	Ok
8	Q2198-05	FC069138.D	09 Jun 2025 18:58	YP/AJ	Ok
9	I.BLK	FC069139.D	09 Jun 2025 20:20	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069140.D	09 Jun 2025 21:41	YP/AJ	Ok,M
11	PB168341BL	FC069141.D	09 Jun 2025 22:21	YP/AJ	Ok
12	PB168341BS	FC069142.D	09 Jun 2025 23:02	YP/AJ	Ok,M
13	PB168341BSD	FC069143.D	09 Jun 2025 23:41	YP/AJ	Ok,M
14	Q2265-01	FC069144.D	10 Jun 2025 00:21	YP/AJ	Ok
15	Q2265-01D	FC069145.D	10 Jun 2025 01:00	YP/AJ	Ok
16	Q2265-01MS	FC069146.D	10 Jun 2025 01:39	YP/AJ	Ok,M
17	Q2265-01MSD	FC069147.D	10 Jun 2025 02:19	YP/AJ	Ok,M
18	Q2265-03	FC069148.D	10 Jun 2025 02:58	YP/AJ	Ok
19	I.BLK	FC069149.D	10 Jun 2025 04:16	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC069150.D	10 Jun 2025 04:55	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM		
SubDirectory	FC061125AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069154.D	11 Jun 2025 10:11	YP/AJ	Ok
2	I.BLK	FC069155.D	11 Jun 2025 10:51	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069156.D	11 Jun 2025 12:12	YP/AJ	Ok,M
4	PB168408BL	FC069157.D	11 Jun 2025 16:33	YP/AJ	Ok
5	PB168408BS	FC069158.D	11 Jun 2025 17:15	YP/AJ	Ok,M
6	PB168408BSD	FC069159.D	11 Jun 2025 17:57	YP/AJ	Ok,M
7	Q2126-01	FC069160.D	11 Jun 2025 18:39	YP/AJ	Ok,M
8	Q2126-01	FC069161.D	11 Jun 2025 19:23	YP/AJ	Ok,M
9	Q2126-02	FC069162.D	11 Jun 2025 20:05	YP/AJ	Ok,M
10	Q2177-02	FC069163.D	11 Jun 2025 20:47	YP/AJ	Not Ok
11	Q2177-02D	FC069164.D	11 Jun 2025 21:28	YP/AJ	Not Ok
12	Q2177-02MS	FC069165.D	11 Jun 2025 22:09	YP/AJ	Ok,M
13	Q2177-02MSD	FC069166.D	11 Jun 2025 22:50	YP/AJ	Ok,M
14	I.BLK	FC069167.D	11 Jun 2025 23:29	YP/AJ	Ok
15	20 PPM ALIPHATIC HC STD	FC069168.D	12 Jun 2025 00:09	YP/AJ	Ok,M
16	Q2177-04	FC069169.D	12 Jun 2025 01:28	YP/AJ	Not Ok
17	Q2177-06	FC069170.D	12 Jun 2025 02:08	YP/AJ	Not Ok
18	Q2198-01	FC069171.D	12 Jun 2025 02:48	YP/AJ	Ok
19	Q2198-03	FC069172.D	12 Jun 2025 03:27	YP/AJ	Ok
20	I.BLK	FC069173.D	12 Jun 2025 04:07	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC069174.D	12 Jun 2025 04:46	YP/AJ	Ok,M

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM		
SubDirectory	FC061125AL	HP Acquire Method		HP Processing Method	FC052425AL

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	PB168409BL	FC069175.D	12 Jun 2025 06:04	YP/AJ	Ok
23	Q2126-07	FC069176.D	12 Jun 2025 06:44	YP/AJ	Ok,M
24	Q2126-07	FC069177.D	12 Jun 2025 07:23	YP/AJ	Ok,M
25	Q2126-08	FC069178.D	12 Jun 2025 08:02	YP/AJ	Ok,M
26	I.BLK	FC069179.D	12 Jun 2025 08:41	YP/AJ	Ok
27	20 PPM ALIPHATIC HC STD	FC069180.D	12 Jun 2025 09:21	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM		
SubDirectory	FC061225AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069181.D	12 Jun 2025 10:41	YP/AJ	Ok
2	I.BLK	FC069182.D	12 Jun 2025 11:21	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069183.D	12 Jun 2025 12:02	YP/AJ	Ok,M
4	Q2177-02	FC069184.D	12 Jun 2025 12:59	YP/AJ	Ok
5	Q2177-06	FC069185.D	12 Jun 2025 13:40	YP/AJ	Ok
6	Q2177-04	FC069186.D	12 Jun 2025 14:21	YP/AJ	Ok
7	Q2177-02D	FC069187.D	12 Jun 2025 15:02	YP/AJ	Ok
8	Q2177-02MS	FC069188.D	12 Jun 2025 15:44	YP/AJ	Not Ok
9	Q2177-02MSD	FC069189.D	12 Jun 2025 16:26	YP/AJ	Not Ok
10	I.BLK	FC069190.D	12 Jun 2025 17:08	YP/AJ	Ok
11	20 PPM ALIPHATIC HC STD	FC069191.D	12 Jun 2025 19:18	YP/AJ	Ok,M
12	PB168441BL	FC069192.D	12 Jun 2025 21:22	YP/AJ	Ok
13	PB168441BS	FC069193.D	12 Jun 2025 22:03	YP/AJ	Ok,M
14	PB168441BSD	FC069194.D	12 Jun 2025 22:44	YP/AJ	Ok,M
15	PB148442BL	FC069195.D	12 Jun 2025 23:24	YP/AJ	Ok
16	Q2126-03	FC069196.D	13 Jun 2025 00:04	YP/AJ	Ok,M
17	Q2126-09	FC069197.D	13 Jun 2025 00:44	YP/AJ	Ok,M
18	Q2286-03	FC069198.D	13 Jun 2025 01:24	YP/AJ	Dilution
19	I.BLK	FC069199.D	13 Jun 2025 02:42	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC069200.D	13 Jun 2025 03:21	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD052425AR

Review By	yogesh	Review On	5/23/2025 12:26:08 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:35 AM		
SubDirectory	FD052425AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049392.D	23 May 2025 13:35	YP/AJ	Ok
2	I.BLK	FD049393.D	23 May 2025 14:12	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049394.D	23 May 2025 14:50	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049395.D	23 May 2025 15:28	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049396.D	23 May 2025 16:05	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049397.D	23 May 2025 16:43	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049398.D	23 May 2025 17:20	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049399.D	23 May 2025 17:58	YP/AJ	Ok
9	I.BLK	FD049400.D	23 May 2025 19:13	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049401.D	23 May 2025 19:50	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD060925AR

Review By	yogesh	Review On	6/9/2025 1:09:15 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:01 AM		
SubDirectory	FD060925AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049412.D	09 Jun 2025 09:27	YP/AJ	Ok
2	I.BLK	FD049413.D	09 Jun 2025 10:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049414.D	09 Jun 2025 12:17	YP/AJ	Ok
4	PB168324BL	FD049415.D	09 Jun 2025 16:17	YP/AJ	Ok
5	PB168324BS	FD049416.D	09 Jun 2025 16:57	YP/AJ	Ok
6	PB168324BSD	FD049417.D	09 Jun 2025 17:37	YP/AJ	Ok
7	Q2177-08	FD049418.D	09 Jun 2025 18:17	YP/AJ	Ok
8	Q2198-05	FD049419.D	09 Jun 2025 18:58	YP/AJ	Not Ok
9	I.BLK	FD049420.D	09 Jun 2025 20:20	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049421.D	09 Jun 2025 21:01	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM		
SubDirectory	FD061125AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049428.D	11 Jun 2025 10:11	YP/AJ	Ok
2	I.BLK	FD049429.D	11 Jun 2025 10:51	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049430.D	11 Jun 2025 12:12	YP/AJ	Ok
4	PP24647	FD049431.D	11 Jun 2025 15:52	YP/AJ	Ok
5	PB168408BL	FD049432.D	11 Jun 2025 16:33	YP/AJ	Ok
6	PB168408BS	FD049433.D	11 Jun 2025 17:15	YP/AJ	Ok
7	PB168408BSD	FD049434.D	11 Jun 2025 17:57	YP/AJ	Ok
8	Q2126-01	FD049435.D	11 Jun 2025 18:39	YP/AJ	Ok
9	Q2126-01	FD049436.D	11 Jun 2025 19:23	YP/AJ	Ok
10	Q2126-02	FD049437.D	11 Jun 2025 20:05	YP/AJ	Ok,M
11	Q2177-02	FD049438.D	11 Jun 2025 20:47	YP/AJ	Not Ok
12	Q2177-02	FD049438.D	11 Jun 2025 20:47	YP/AJ	Not Ok
13	Q2177-02D	FD049439.D	11 Jun 2025 21:28	YP/AJ	Not Ok
14	Q2177-02MS	FD049440.D	11 Jun 2025 22:09	YP/AJ	Not Ok
15	Q2177-02MSD	FD049441.D	11 Jun 2025 22:50	YP/AJ	Not Ok
16	I.BLK	FD049442.D	11 Jun 2025 23:29	YP/AJ	Ok
17	20 PPM AROMATIC HC STD	FD049443.D	12 Jun 2025 00:09	YP/AJ	Ok
18	Q2177-04	FD049444.D	12 Jun 2025 01:28	YP/AJ	Not Ok
19	Q2177-06	FD049445.D	12 Jun 2025 02:08	YP/AJ	Not Ok
20	Q2198-01	FD049446.D	12 Jun 2025 02:48	YP/AJ	Ok
21	Q2198-03	FD049447.D	12 Jun 2025 03:27	YP/AJ	Ok

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM		
SubDirectory	FD061125AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FD049448.D	12 Jun 2025 04:07	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049449.D	12 Jun 2025 04:46	YP/AJ	Ok
24	PB168409BL	FD049450.D	12 Jun 2025 06:04	YP/AJ	Ok
25	Q2126-07	FD049451.D	12 Jun 2025 06:44	YP/AJ	Ok
26	Q2126-07	FD049452.D	12 Jun 2025 07:23	YP/AJ	Ok,M
27	Q2126-08	FD049453.D	12 Jun 2025 08:02	YP/AJ	Ok
28	I.BLK	FD049454.D	12 Jun 2025 08:41	YP/AJ	Ok
29	20 PPM AROMATIC HC STD	FD049455.D	12 Jun 2025 09:21	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM		
SubDirectory	FD061225AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049456.D	12 Jun 2025 10:41	YP/AJ	Ok
2	I.BLK	FD049457.D	12 Jun 2025 11:21	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049458.D	12 Jun 2025 12:02	YP/AJ	Ok
4	Q2177-06	FD049459.D	12 Jun 2025 13:40	YP/AJ	Ok
5	Q2177-04	FD049460.D	12 Jun 2025 14:21	YP/AJ	Ok
6	I.BLK	FD049461.D	12 Jun 2025 15:02	YP/AJ	Ok
7	20 PPM AROMATIC HC STD	FD049462.D	12 Jun 2025 15:44	YP/AJ	Ok
8	PB168441BL	FD049463.D	12 Jun 2025 16:26	YP/AJ	Ok
9	PB168441BS	FD049464.D	12 Jun 2025 17:08	YP/AJ	Ok
10	PB168441BSD	FD049465.D	12 Jun 2025 19:18	YP/AJ	Ok
11	Q2177-02	FD049466.D	12 Jun 2025 19:59	YP/AJ	Not Ok
12	PB168442BL	FD049467.D	12 Jun 2025 20:41	YP/AJ	Ok
13	Q2126-03	FD049468.D	12 Jun 2025 21:22	YP/AJ	Ok,M
14	Q2126-09	FD049469.D	12 Jun 2025 22:03	YP/AJ	Ok
15	Q2286-03	FD049470.D	12 Jun 2025 22:44	YP/AJ	Dilution
16	I.BLK	FD049471.D	12 Jun 2025 23:24	YP/AJ	Ok
17	20 PPM AROMATIC HC STD	FD049472.D	13 Jun 2025 00:04	YP/AJ	Ok
18	Q2177-02	FD049473.D	13 Jun 2025 01:24	YP/AJ	Not Ok
19	Q2177-02D	FD049474.D	13 Jun 2025 02:03	YP/AJ	Not Ok
20	Q2177-02MS	FD049475.D	13 Jun 2025 02:42	YP/AJ	Not Ok
21	Q2177-02MSD	FD049476.D	13 Jun 2025 03:21	YP/AJ	Not Ok

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM		
SubDirectory	FD061225AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FD049477.D	13 Jun 2025 04:00	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049478.D	13 Jun 2025 04:39	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM		
Supervise By	mohammad	Supervise On	6/16/2025 8:33:02 AM		
SubDirectory	FD061325AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049479.D	13 Jun 2025 06:29	YP/AJ	Ok
2	I.BLK	FD049480.D	13 Jun 2025 07:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049481.D	13 Jun 2025 07:46	YP/AJ	Ok
4	Q2177-02	FD049482.D	13 Jun 2025 08:25	YP/AJ	Ok
5	Q2177-02D	FD049483.D	13 Jun 2025 09:04	YP/AJ	Ok
6	Q2177-02MS	FD049484.D	13 Jun 2025 09:48	YP/AJ	Ok
7	Q2177-02MSD	FD049485.D	13 Jun 2025 10:28	YP/AJ	Ok
8	Q2286-03DL	FD049486.D	13 Jun 2025 11:07	YP/AJ	Dilution
9	Q2286-03DL2	FD049487.D	13 Jun 2025 11:47	YP/AJ	Ok
10	I.BLK	FD049488.D	13 Jun 2025 12:26	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD049489.D	13 Jun 2025 13:06	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM		
SubDirectory	FC052425AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC068996.D	23 May 2025 12:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC068997.D	23 May 2025 13:35		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068998.D	23 May 2025 14:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068999.D	23 May 2025 14:50		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069000.D	23 May 2025 15:28		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069001.D	23 May 2025 16:05		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069002.D	23 May 2025 16:43		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069003.D	23 May 2025 17:20		YP/AJ	Ok,M
9	I.BLK	I.BLK	FC069004.D	23 May 2025 18:36		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069005.D	23 May 2025 19:13		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM		
SubDirectory	FC060925AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069131.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FC069132.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069133.D	09 Jun 2025 12:17		YP/AJ	Ok,M
4	PB168324BL	PB168324BL	FC069134.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FC069135.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnephthalene break down - 0.668	YP/AJ	Ok,M
6	PB168324BSD	PB168324BSD	FC069136.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnephthalene break down - 0.817	YP/AJ	Ok,M
7	Q2177-08	EB05312025	FC069137.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	B-202-GW01	FC069138.D	09 Jun 2025 18:58		YP/AJ	Ok
9	I.BLK	I.BLK	FC069139.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069140.D	09 Jun 2025 21:41		YP/AJ	Ok,M
11	PB168341BL	PB168341BL	FC069141.D	09 Jun 2025 22:21		YP/AJ	Ok
12	PB168341BS	PB168341BS	FC069142.D	09 Jun 2025 23:02		YP/AJ	Ok,M
13	PB168341BSD	PB168341BSD	FC069143.D	09 Jun 2025 23:41		YP/AJ	Ok,M
14	Q2265-01	TP11-MHL-WC	FC069144.D	10 Jun 2025 00:21		YP/AJ	Ok
15	Q2265-01D	Q2265-01D	FC069145.D	10 Jun 2025 01:00		YP/AJ	Ok
16	Q2265-01MS	TP11-MHL-WCMS	FC069146.D	10 Jun 2025 01:39	FC069144.D	YP/AJ	Ok,M

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM		
SubDirectory	FC060925AL	HP Acquire Method		HP Processing Method	FC052425AL

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	

17	Q2265-01MSD	TP11-MHL-WCMSD	FC069147.D	10 Jun 2025 02:19	FC069144.D!FC069146.D	YP/AJ	Ok,M
18	Q2265-03	TP11-MHL-EPH	FC069148.D	10 Jun 2025 02:58		YP/AJ	Ok
19	I.BLK	I.BLK	FC069149.D	10 Jun 2025 04:16		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069150.D	10 Jun 2025 04:55		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM		
SubDirectory	FC061125AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069154.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FC069155.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069156.D	11 Jun 2025 12:12		YP/AJ	Ok,M
4	PB168408BL	PB168408BL	FC069157.D	11 Jun 2025 16:33		YP/AJ	Ok
5	PB168408BS	PB168408BS	FC069158.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnephthalene break down - 0.715	YP/AJ	Ok,M
6	PB168408BSD	PB168408BSD	FC069159.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnephthalene break down - 0.938	YP/AJ	Ok,M
7	Q2126-01	LOD-MDL-SOIL-03-QT	FC069160.D	11 Jun 2025 18:39	2.5 PPM SOIL LOD	YP/AJ	Ok,M
8	Q2126-01	LOD-MDL-SOIL-03-QT	FC069161.D	11 Jun 2025 19:23	5 PPM SOIL LOD	YP/AJ	Ok,M
9	Q2126-02	LOQ-SOIL-02-QT2-202	FC069162.D	11 Jun 2025 20:05	5 PPM SOIL LOQ	YP/AJ	Ok,M
10	Q2177-02	B-187-SB01	FC069163.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
11	Q2177-02D	Q2177-02D	FC069164.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
12	Q2177-02MS	B-187-SB01MS	FC069165.D	11 Jun 2025 22:09	FC069184.D	YP/AJ	Ok,M
13	Q2177-02MSD	B-187-SB01MSD	FC069166.D	11 Jun 2025 22:50	FC069184.D!FC069165.D	YP/AJ	Ok,M
14	I.BLK	I.BLK	FC069167.D	11 Jun 2025 23:29		YP/AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069168.D	12 Jun 2025 00:09		YP/AJ	Ok,M
16	Q2177-04	B-187-SB02	FC069169.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM		
SubDirectory	FC061125AL	HP Acquire Method		HP Processing Method	FC052425AL

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	

17	Q2177-06	B-202-SB01	FC069170.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
18	Q2198-01	B-202-SB02	FC069171.D	12 Jun 2025 02:48		YP/AJ	Ok
19	Q2198-03	B-207-SB02	FC069172.D	12 Jun 2025 03:27		YP/AJ	Ok
20	I.BLK	I.BLK	FC069173.D	12 Jun 2025 04:07		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069174.D	12 Jun 2025 04:46		YP/AJ	Ok,M
22	PB168409BL	PB168409BL	FC069175.D	12 Jun 2025 06:04		YP/AJ	Ok
23	Q2126-07	LOD-MDL-WATER-01-(	FC069176.D	12 Jun 2025 06:44	2.5 PPM WATER LOD	YP/AJ	Ok,M
24	Q2126-07	LOD-MDL-WATER-01-(	FC069177.D	12 Jun 2025 07:23	5 PPM WATER LOD	YP/AJ	Ok,M
25	Q2126-08	LOQ-WATER-02-QT2-2	FC069178.D	12 Jun 2025 08:02	5 PPM WATER LOQ	YP/AJ	Ok,M
26	I.BLK	I.BLK	FC069179.D	12 Jun 2025 08:41		YP/AJ	Ok
27	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069180.D	12 Jun 2025 09:21		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM		
SubDirectory	FC061225AL	HP Acquire Method		HP Processing Method	FC052425AL

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	FC069181.D	12 Jun 2025 10:41		YP/AJ	Ok
2	I.BLK	I.BLK	FC069182.D	12 Jun 2025 11:21		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069183.D	12 Jun 2025 12:02		YP/AJ	Ok,M
4	Q2177-02	B-187-SB01	FC069184.D	12 Jun 2025 12:59		YP/AJ	Ok
5	Q2177-06	B-202-SB01	FC069185.D	12 Jun 2025 13:40		YP/AJ	Ok
6	Q2177-04	B-187-SB02	FC069186.D	12 Jun 2025 14:21		YP/AJ	Ok
7	Q2177-02D	Q2177-02D	FC069187.D	12 Jun 2025 15:02		YP/AJ	Ok
8	Q2177-02MS	B-187-SB01MS	FC069188.D	12 Jun 2025 15:44		YP/AJ	Not Ok
9	Q2177-02MSD	B-187-SB01MSD	FC069189.D	12 Jun 2025 16:26		YP/AJ	Not Ok
10	I.BLK	I.BLK	FC069190.D	12 Jun 2025 17:08		YP/AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069191.D	12 Jun 2025 19:18		YP/AJ	Ok,M
12	PB168441BL	PB168441BL	FC069192.D	12 Jun 2025 21:22		YP/AJ	Ok
13	PB168441BS	PB168441BS	FC069193.D	12 Jun 2025 22:03	naphthalene break down - 1.050, 2-methylnephthalene break down - 0.619	YP/AJ	Ok,M
14	PB168441BSD	PB168441BSD	FC069194.D	12 Jun 2025 22:44	naphthalene break down - 1.123, 2-methylnephthalene break down - 0.510	YP/AJ	Ok,M
15	PB148442BL	PB148442BL	FC069195.D	12 Jun 2025 23:24		YP/AJ	Ok
16	Q2126-03	MDL-SOIL-03-QT2-202	FC069196.D	13 Jun 2025 00:04	2.5 PPM SOIL MDL	YP/AJ	Ok,M

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM		
SubDirectory	FC061225AL	HP Acquire Method		HP Processing Method	FC052425AL

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	

17	Q2126-09	MDL-WATER-03-QT2-2	FC069197.D	13 Jun 2025 00:44	2.5 PPM WATER MDL	YP/AJ	Ok,M
18	Q2286-03	LAW-25-0084	FC069198.D	13 Jun 2025 01:24	need 10x, 100x, 500x dilution	YP/AJ	Dilution
19	I.BLK	I.BLK	FC069199.D	13 Jun 2025 02:42		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069200.D	13 Jun 2025 03:21		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD052425AR

Review By	yogesh	Review On	5/23/2025 12:26:08 PM		
Supervise By	mohammad	Supervise On	5/28/2025 1:48:35 AM		
SubDirectory	FD052425AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049392.D	23 May 2025 13:35		YP/AJ	Ok
2	I.BLK	I.BLK	FD049393.D	23 May 2025 14:12		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD049394.D	23 May 2025 14:50		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049395.D	23 May 2025 15:28		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049396.D	23 May 2025 16:05		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049397.D	23 May 2025 16:43		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049398.D	23 May 2025 17:20		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049399.D	23 May 2025 17:58		YP/AJ	Ok
9	I.BLK	I.BLK	FD049400.D	23 May 2025 19:13		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049401.D	23 May 2025 19:50		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD060925AR

Review By	yogesh	Review On	6/9/2025 1:09:15 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:01 AM		
SubDirectory	FD060925AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049412.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FD049413.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049414.D	09 Jun 2025 12:17		YP/AJ	Ok
4	PB168324BL	PB168324BL	FD049415.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FD049416.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnephthalene break down - 0.668	YP/AJ	Ok
6	PB168324BSD	PB168324BSD	FD049417.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnephthalene break down - 0.817	YP/AJ	Ok
7	Q2177-08	EB05312025	FD049418.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	B-202-GW01	FD049419.D	09 Jun 2025 18:58	surr fail	YP/AJ	Not Ok
9	I.BLK	I.BLK	FD049420.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049421.D	09 Jun 2025 21:01		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM		
SubDirectory	FD061125AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049428.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FD049429.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049430.D	11 Jun 2025 12:12		YP/AJ	Ok
4	PP24647	PP24647	FD049431.D	11 Jun 2025 15:52		YP/AJ	Ok
5	PB168408BL	PB168408BL	FD049432.D	11 Jun 2025 16:33		YP/AJ	Ok
6	PB168408BS	PB168408BS	FD049433.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnephthalene break down - 0.715	YP/AJ	Ok
7	PB168408BSD	PB168408BSD	FD049434.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnephthalene break down - 0.938	YP/AJ	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	FD049435.D	11 Jun 2025 18:39	2.5 PPM SOIL LOD	YP/AJ	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	FD049436.D	11 Jun 2025 19:23	5 PPM SOIL LOD	YP/AJ	Ok
10	Q2126-02	LOQ-SOIL-02-QT2-202	FD049437.D	11 Jun 2025 20:05	5 PPM SOIL LOQ	YP/AJ	Ok,M
11	Q2177-02	B-187-SB01	FD049438.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
12	Q2177-02	B-187-SB01MS	FD049438.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
13	Q2177-02D	Q2177-02D	FD049439.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
14	Q2177-02MS	B-187-SB01MS	FD049440.D	11 Jun 2025 22:09		YP/AJ	Not Ok
15	Q2177-02MSD	B-187-SB01MSD	FD049441.D	11 Jun 2025 22:50		YP/AJ	Not Ok
16	I.BLK	I.BLK	FD049442.D	11 Jun 2025 23:29		YP/AJ	Ok

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM		
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM		
SubDirectory	FD061125AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049443.D	12 Jun 2025 00:09		YP/AJ	Ok
18	Q2177-04	B-187-SB02	FD049444.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok
19	Q2177-06	B-202-SB01	FD049445.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
20	Q2198-01	B-202-SB02	FD049446.D	12 Jun 2025 02:48		YP/AJ	Ok
21	Q2198-03	B-207-SB02	FD049447.D	12 Jun 2025 03:27		YP/AJ	Ok
22	I.BLK	I.BLK	FD049448.D	12 Jun 2025 04:07		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049449.D	12 Jun 2025 04:46		YP/AJ	Ok
24	PB168409BL	PB168409BL	FD049450.D	12 Jun 2025 06:04		YP/AJ	Ok
25	Q2126-07	LOD-MDL-WATER-01-(	FD049451.D	12 Jun 2025 06:44	2.5 PPM WATER LOD	YP/AJ	Ok
26	Q2126-07	LOD-MDL-WATER-01-(	FD049452.D	12 Jun 2025 07:23	5 PPM WATER LOD	YP/AJ	Ok,M
27	Q2126-08	LOQ-WATER-02-QT2-2	FD049453.D	12 Jun 2025 08:02	5 PPM WATER LOQ	YP/AJ	Ok
28	I.BLK	I.BLK	FD049454.D	12 Jun 2025 08:41		YP/AJ	Ok
29	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049455.D	12 Jun 2025 09:21		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM		
SubDirectory	FD061225AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049456.D	12 Jun 2025 10:41		YP/AJ	Ok
2	I.BLK	I.BLK	FD049457.D	12 Jun 2025 11:21		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049458.D	12 Jun 2025 12:02		YP/AJ	Ok
4	Q2177-06	B-202-SB01	FD049459.D	12 Jun 2025 13:40		YP/AJ	Ok
5	Q2177-04	B-187-SB02	FD049460.D	12 Jun 2025 14:21		YP/AJ	Ok
6	I.BLK	I.BLK	FD049461.D	12 Jun 2025 15:02		YP/AJ	Ok
7	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049462.D	12 Jun 2025 15:44		YP/AJ	Ok
8	PB168441BL	PB168441BL	FD049463.D	12 Jun 2025 16:26		YP/AJ	Ok
9	PB168441BS	PB168441BS	FD049464.D	12 Jun 2025 17:08	naphthalene break down - 1.050, 2-methylnephthalene break down - 0.619	YP/AJ	Ok
10	PB168441BSD	PB168441BSD	FD049465.D	12 Jun 2025 19:18	naphthalene break down - 1.123, 2-methylnephthalene break down - 0.510	YP/AJ	Ok
11	Q2177-02	B-187-SB01	FD049466.D	12 Jun 2025 19:59	Surr Fail	YP/AJ	Not Ok
12	PB168442BL	PB168442BL	FD049467.D	12 Jun 2025 20:41		YP/AJ	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	FD049468.D	12 Jun 2025 21:22	2.5 PPM SOIL MDL	YP/AJ	Ok,M
14	Q2126-09	MDL-WATER-03-QT2-2	FD049469.D	12 Jun 2025 22:03	2.5 PPM WATER MDL	YP/AJ	Ok
15	Q2286-03	LAW-25-0084	FD049470.D	12 Jun 2025 22:44	need 20x & 100x dilution	YP/AJ	Dilution
16	I.BLK	I.BLK	FD049471.D	12 Jun 2025 23:24		YP/AJ	Ok

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM		
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM		
SubDirectory	FD061225AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049472.D	13 Jun 2025 00:04		YP/AJ	Ok
18	Q2177-02	B-187-SB01	FD049473.D	13 Jun 2025 01:24	Surr Fail	YP/AJ	Not Ok
19	Q2177-02D	Q2177-02D	FD049474.D	13 Jun 2025 02:03	Surr Fail	YP/AJ	Not Ok
20	Q2177-02MS	B-187-SB01MS	FD049475.D	13 Jun 2025 02:42	FD049473.D	YP/AJ	Not Ok
21	Q2177-02MSD	B-187-SB01MSD	FD049476.D	13 Jun 2025 03:21	FD049473.D!FD049475.D	YP/AJ	Not Ok
22	I.BLK	I.BLK	FD049477.D	13 Jun 2025 04:00		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049478.D	13 Jun 2025 04:39		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM		
Supervise By	mohammad	Supervise On	6/16/2025 8:33:02 AM		
SubDirectory	FD061325AR	HP Acquire Method		HP Processing Method	FD052425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049479.D	13 Jun 2025 06:29		YP/AJ	Ok
2	I.BLK	I.BLK	FD049480.D	13 Jun 2025 07:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049481.D	13 Jun 2025 07:46		YP/AJ	Ok
4	Q2177-02	B-187-SB01	FD049482.D	13 Jun 2025 08:25		YP/AJ	Ok
5	Q2177-02D	Q2177-02D	FD049483.D	13 Jun 2025 09:04		YP/AJ	Ok
6	Q2177-02MS	B-187-SB01MS	FD049484.D	13 Jun 2025 09:48	FD049482.D	YP/AJ	Ok
7	Q2177-02MSD	B-187-SB01MSD	FD049485.D	13 Jun 2025 10:28	FD049482.D!FD049484.D	YP/AJ	Ok
8	Q2286-03DL	LAW-25-0084DL	FD049486.D	13 Jun 2025 11:07	need further dilution	YP/AJ	Dilution
9	Q2286-03DL2	LAW-25-0084DL2	FD049487.D	13 Jun 2025 11:47		YP/AJ	Ok
10	I.BLK	I.BLK	FD049488.D	13 Jun 2025 12:26		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049489.D	13 Jun 2025 13:06		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168324

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/06/2025
Matrix :	Water			**Extraction Start Time :**	09:10
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	06/06/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:15
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	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
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	E3930
Baked Na2SO4	N/A	EP2614
Hexane	N/A	E3934
6N HCL	N/A	EP2615
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (Ext lab)	T-P-Pest lab
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168324

Analytical Method: MNJDEP-EPH-7

Concentration Date: 06/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168324BL	PB168324BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-1
PB168324BS	PB168324BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB168324BSD	PB168324BSD	EPH	1000	<2	RUPESH	ritesh	2			3
Q2177-08	EB05312025	EPH	910	<2	RUPESH	ritesh	2	G		4
Q2198-05	B-202-GW01	EPH	990	<2	RUPESH	ritesh	2	G		5

RJ
6/6

* **Extracts relinguished on the same date as received.**

Q2177 168324 9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177EPH **WorkList ID :** 189993 **Department :** Extraction **Date :** 06-06-2025 09:05:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-08	EB05312025	Water	EPH	1:1 HCl to pH < 2	PORT06	L41	05/31/2025	NJEPH
Q2198-05	B-202-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	N22	05/31/2025	NJEPH

1497 of 1738

Date/Time 6/6/25 9:05
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by:

Date/Time 6/6/25 · 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext lab)

J I H G F E D C B A 12

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168408

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/11/2025
Matrix :	Solid			**Extraction Start Time :**	08:45
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/11/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	15:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	ritesh

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	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
LOD	0.25ML/0.4ML	20 PPM	PP24131
LOQ	0.5ML	20 PPM	PP24131

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
Methylene Chloride	N/A	E3939
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

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
06/11/25	RP (Extr Lab)	Yu-Pei Set / IPC
15:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168408

Analytical Method: MNJDEP-EPH-7 **Concentration Date:** 06/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168408BL	PB168408BL	EPH	30.01	N/A	ritesh	Evelyn	2			U2-1
PB168408BS	PB168408BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB168408BSD	PB168408BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
Q2126-01	LOD-MDL-SOIL-03-QT2-2025 0.25 ML	EPH	30.04	N/A	ritesh	Evelyn	2			4
Q2126-02	LOQ-SOIL-02-QT2-2025 0.5 ML	EPH	30.02	N/A	ritesh	Evelyn	2			5
Q2177-02	B-187-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	F		6
Q2177-02DUP	B-187-SB01DUP	EPH	30.08	N/A	ritesh	Evelyn	2	F		U3-1
Q2177-02MS	B-187-SB01MS	EPH	30.03	N/A	ritesh	Evelyn	2	F		2
Q2177-02MSD	B-187-SB01MSD	EPH	30.04	N/A	ritesh	Evelyn	2	F		3
Q2177-04	B-187-SB02	EPH	30.01	N/A	ritesh	Evelyn	2	F		4
Q2177-06	B-202-SB01	EPH	30.03	N/A	ritesh	Evelyn	2	F		5
Q2198-01	B-202-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	D		6
Q2198-03	B-207-SB02	EPH	30.06	N/A	ritesh	Evelyn	2	D		U1-1
	LOD 0.4ML	1	30.01	1	1	1	2			1

* **Extracts relinquished on the same date as received.**

6/11/25

Q2177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177E **WorkList ID :** 190091 **Department :** Extraction **Date :** 06-11-2025 08:43:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2126-01	LOD-MDL-SOIL-03-QT2-2025	Solid	EPH	Cool 4 deg C	ALLI03	QA Of	05/23/2025	NJEPH
Q2126-02	LOQ-SOIL-02-QT2-2025	Solid	EPH	Cool 4 deg C	ALLI03	QA Of	05/23/2025	NJEPH
Q2177-02	B-187-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2177-04	B-187-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2177-06	B-202-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2198-01	B-202-SB02	Solid	EPH	Cool 4 deg C	PORT06	N22	05/31/2025	NJEPH
Q2198-03	B-207-SB02	Solid	EPH	Cool 4 deg C	PORT06	N22	06/01/2025	NJEPH

1500 of 1738

Date/Time 06/11/25 8:44
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by:

Date/Time 06/11/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext lab)

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

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
			EPH	NJEPH		06/11/25	06/13/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-08	**EB05312025**	**WATER**			**05/31/25**			**06/02/25**
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/06/25	06/09/25	

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.: Q2177 **Order ID:** Q2177

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-187-SB01								
Q2177-02	B-187-SB01	SOIL	Aluminum	8670		0.88	5.23	mg/Kg
Q2177-02	B-187-SB01	SOIL	Antimony	0.30	J	0.23	2.62	mg/Kg
Q2177-02	B-187-SB01	SOIL	Arsenic	1.28		0.20	1.05	mg/Kg
Q2177-02	B-187-SB01	SOIL	Barium	111		0.76	5.23	mg/Kg
Q2177-02	B-187-SB01	SOIL	Beryllium	0.50		0.026	0.31	mg/Kg
Q2177-02	B-187-SB01	SOIL	Cadmium	1.02		0.025	0.31	mg/Kg
Q2177-02	B-187-SB01	SOIL	Calcium	6800		11.6	105	mg/Kg
Q2177-02	B-187-SB01	SOIL	Chromium	19.2		0.049	0.52	mg/Kg
Q2177-02	B-187-SB01	SOIL	Cobalt	11.5		0.11	1.57	mg/Kg
Q2177-02	B-187-SB01	SOIL	Copper	31.3		0.23	1.05	mg/Kg
Q2177-02	B-187-SB01	SOIL	Iron	16300		4.18	5.23	mg/Kg
Q2177-02	B-187-SB01	SOIL	Lead	127		0.14	0.63	mg/Kg
Q2177-02	B-187-SB01	SOIL	Magnesium	5240		12.6	105	mg/Kg
Q2177-02	B-187-SB01	SOIL	Manganese	118		0.15	1.05	mg/Kg
Q2177-02	B-187-SB01	SOIL	Mercury	0.12		0.0080	0.014	mg/Kg
Q2177-02	B-187-SB01	SOIL	Nickel	23.3		0.14	2.09	mg/Kg
Q2177-02	B-187-SB01	SOIL	Potassium	6410		29.0	105	mg/Kg
Q2177-02	B-187-SB01	SOIL	Sodium	335		18.6	105	mg/Kg
Q2177-02	B-187-SB01	SOIL	Vanadium	24.6		0.26	2.09	mg/Kg
Q2177-02	B-187-SB01	SOIL	Zinc	82.0		0.24	2.09	mg/Kg
Client ID : B-187-SB02								
Q2177-04	B-187-SB02	SOIL	Aluminum	5970		1.26	7.51	mg/Kg
Q2177-04	B-187-SB02	SOIL	Arsenic	1.00	J	0.28	1.50	mg/Kg
Q2177-04	B-187-SB02	SOIL	Barium	5.38	J	1.10	7.51	mg/Kg
Q2177-04	B-187-SB02	SOIL	Beryllium	0.29	J	0.038	0.45	mg/Kg
Q2177-04	B-187-SB02	SOIL	Cadmium	0.19	J	0.036	0.45	mg/Kg
Q2177-04	B-187-SB02	SOIL	Calcium	427		16.7	150	mg/Kg
Q2177-04	B-187-SB02	SOIL	Chromium	8.68		0.071	0.75	mg/Kg
Q2177-04	B-187-SB02	SOIL	Cobalt	3.45		0.15	2.25	mg/Kg
Q2177-04	B-187-SB02	SOIL	Copper	6.86		0.33	1.50	mg/Kg
Q2177-04	B-187-SB02	SOIL	Iron	9960		5.99	7.51	mg/Kg
Q2177-04	B-187-SB02	SOIL	Lead	4.48		0.20	0.90	mg/Kg
Q2177-04	B-187-SB02	SOIL	Magnesium	1580		18.0	150	mg/Kg
Q2177-04	B-187-SB02	SOIL	Manganese	65.9		0.21	1.50	mg/Kg
Q2177-04	B-187-SB02	SOIL	Mercury	0.060		0.010	0.019	mg/Kg
Q2177-04	B-187-SB02	SOIL	Nickel	8.35		0.20	3.00	mg/Kg
Q2177-04	B-187-SB02	SOIL	Potassium	356		41.6	150	mg/Kg

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

Hit Summary Sheet
SW-846

SDG No.: Q2177 **Order ID:** Q2177

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2177-04	B-187-SB02	SOIL	Sodium	357		26.7	150	mg/Kg
Q2177-04	B-187-SB02	SOIL	Vanadium	9.88		0.38	3.00	mg/Kg
Q2177-04	B-187-SB02	SOIL	Zinc	19.9		0.35	3.00	mg/Kg
Client ID :	**B-202-SB01**							
Q2177-06	B-202-SB01	SOIL	Aluminum	7040		0.92	5.45	mg/Kg
Q2177-06	B-202-SB01	SOIL	Arsenic	2.83		0.21	1.09	mg/Kg
Q2177-06	B-202-SB01	SOIL	Barium	77.3		0.80	5.45	mg/Kg
Q2177-06	B-202-SB01	SOIL	Beryllium	0.44		0.027	0.33	mg/Kg
Q2177-06	B-202-SB01	SOIL	Cadmium	0.87		0.026	0.33	mg/Kg
Q2177-06	B-202-SB01	SOIL	Calcium	4840		12.1	109	mg/Kg
Q2177-06	B-202-SB01	SOIL	Chromium	14.5		0.051	0.55	mg/Kg
Q2177-06	B-202-SB01	SOIL	Cobalt	9.12		0.11	1.63	mg/Kg
Q2177-06	B-202-SB01	SOIL	Copper	12.0		0.24	1.09	mg/Kg
Q2177-06	B-202-SB01	SOIL	Iron	17500		4.35	5.45	mg/Kg
Q2177-06	B-202-SB01	SOIL	Lead	31.2		0.14	0.65	mg/Kg
Q2177-06	B-202-SB01	SOIL	Magnesium	4570		13.1	109	mg/Kg
Q2177-06	B-202-SB01	SOIL	Manganese	304		0.15	1.09	mg/Kg
Q2177-06	B-202-SB01	SOIL	Mercury	0.079		0.0080	0.015	mg/Kg
Q2177-06	B-202-SB01	SOIL	Nickel	17.5		0.14	2.18	mg/Kg
Q2177-06	B-202-SB01	SOIL	Potassium	7200		30.2	109	mg/Kg
Q2177-06	B-202-SB01	SOIL	Sodium	201		19.4	109	mg/Kg
Q2177-06	B-202-SB01	SOIL	Vanadium	23.0		0.27	2.18	mg/Kg
Q2177-06	B-202-SB01	SOIL	Zinc	80.0		0.25	2.18	mg/Kg
Client ID :	**EB05312025**							
Q2177-08	EB05312025	Water	Aluminum	7.81	J	5.67	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8670	*	1	0.88	5.23	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-36-0	Antimony	0.30	JN	1	0.23	2.62	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-38-2	Arsenic	1.28		1	0.20	1.05	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-39-3	Barium	111	N*	1	0.76	5.23	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-41-7	Beryllium	0.50		1	0.026	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-43-9	Cadmium	1.02		1	0.025	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-70-2	Calcium	6800	*	1	11.6	105	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-47-3	Chromium	19.2		1	0.049	0.52	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-48-4	Cobalt	11.5		1	0.11	1.57	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-50-8	Copper	31.3		1	0.23	1.05	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7439-89-6	Iron	16300	*	1	4.18	5.23	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7439-92-1	Lead	127		1	0.14	0.63	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7439-95-4	Magnesium	5240	*	1	12.6	105	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7439-96-5	Manganese	118		1	0.15	1.05	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7439-97-6	Mercury	0.12		1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:34	7471B	
7440-02-0	Nickel	23.3		1	0.14	2.09	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-09-7	Potassium	6410	*	1	29.0	105	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.05	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.52	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-23-5	Sodium	335	N*	1	18.6	105	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.09	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-62-2	Vanadium	24.6		1	0.26	2.09	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	SW3050
7440-66-6	Zinc	82.0	N	1	0.24	2.09	mg/Kg	06/02/25 13:05	06/10/25 21:36	6010D	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	62.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5970	*	1	1.26	7.51	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-36-0	Antimony	0.33	UN	1	0.33	3.76	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-38-2	Arsenic	1.00	J	1	0.28	1.50	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-39-3	Barium	5.38	JN*	1	1.10	7.51	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-41-7	Beryllium	0.29	J	1	0.038	0.45	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-43-9	Cadmium	0.19	J	1	0.036	0.45	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-70-2	Calcium	427	*	1	16.7	150	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-47-3	Chromium	8.68		1	0.071	0.75	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-48-4	Cobalt	3.45		1	0.15	2.25	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-50-8	Copper	6.86		1	0.33	1.50	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7439-89-6	Iron	9960	*	1	5.99	7.51	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7439-92-1	Lead	4.48		1	0.20	0.90	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7439-95-4	Magnesium	1580	*	1	18.0	150	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7439-96-5	Manganese	65.9		1	0.21	1.50	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7439-97-6	Mercury	0.060		1	0.010	0.019	mg/Kg	06/02/25 08:35	06/03/25 14:37	7471B	
7440-02-0	Nickel	8.35		1	0.20	3.00	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-09-7	Potassium	356	*	1	41.6	150	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7782-49-2	Selenium	0.39	U	1	0.39	1.50	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-22-4	Silver	0.18	U	1	0.18	0.75	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-23-5	Sodium	357	N*	1	26.7	150	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-28-0	Thallium	0.35	U	1	0.35	3.00	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-62-2	Vanadium	9.88		1	0.38	3.00	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	SW3050
7440-66-6	Zinc	19.9	N	1	0.35	3.00	mg/Kg	06/02/25 13:05	06/10/25 21:40	6010D	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7040	*	1	0.92	5.45	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.72	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-38-2	Arsenic	2.83		1	0.21	1.09	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-39-3	Barium	77.3	N*	1	0.80	5.45	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-41-7	Beryllium	0.44		1	0.027	0.33	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-43-9	Cadmium	0.87		1	0.026	0.33	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-70-2	Calcium	4840	*	1	12.1	109	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-47-3	Chromium	14.5		1	0.051	0.55	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-48-4	Cobalt	9.12		1	0.11	1.63	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-50-8	Copper	12.0		1	0.24	1.09	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7439-89-6	Iron	17500	*	1	4.35	5.45	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7439-92-1	Lead	31.2		1	0.14	0.65	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7439-95-4	Magnesium	4570	*	1	13.1	109	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7439-96-5	Manganese	304		1	0.15	1.09	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7439-97-6	Mercury	0.079		1	0.0080	0.015	mg/Kg	06/02/25 08:35	06/03/25 14:39	7471B	
7440-02-0	Nickel	17.5		1	0.14	2.18	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-09-7	Potassium	7200	*	1	30.2	109	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.09	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-23-5	Sodium	201	N*	1	19.4	109	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-62-2	Vanadium	23.0		1	0.27	2.18	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	SW3050
7440-66-6	Zinc	80.0	N	1	0.25	2.18	mg/Kg	06/02/25 13:05	06/10/25 22:13	6010D	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	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	7.81	J	1	5.67	50.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-36-0	Antimony	3.38	UN	1	3.38	25.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-39-3	Barium	7.28	U	1	7.28	50.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-70-2	Calcium	117	U	1	117	1000	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-47-3	Chromium	1.06	U	1	1.06	5.00	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-50-8	Copper	2.30	UN	1	2.30	10.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7439-89-6	Iron	11.7	U	1	11.7	50.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7439-95-4	Magnesium	122	U	1	122	1000	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7439-96-5	Manganese	2.97	U	1	2.97	10.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7439-97-6	Mercury	0.076	UN	1	0.076	0.20	ug/L	06/02/25 14:40	06/03/25 11:48	7470A	
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-09-7	Potassium	459	U	1	459	1000	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-22-4	Silver	0.81	UN	1	0.81	5.00	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-23-5	Sodium	434	U	1	434	1000	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010
7440-66-6	Zinc	8.33	UN	1	8.33	20.0	ug/L	06/03/25 10:05	06/04/25 20:20	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB24	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	10:35	LB135986

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB86	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	10:40	LB135986
CCB87	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	11:25	LB135986
CCB88	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	11:53	LB135986
CCB89	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	12:04	LB135986

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB25	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	12:46	LB135987

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	12:50	LB135987
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	13:22	LB135987
CCB92	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	13:51	LB135987
CCB93	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	14:18	LB135987
CCB94	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	14:51	LB135987
CCB95	Mercury	0.076	+/-0.2	U	0.20	CV	06/03/2025	15:04	LB135987

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/04/2025	16:10	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	16:10	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	16:10	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	16:10	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	16:10	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	16:10	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	16:10	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	16:10	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	16:10	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	16:10	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	16:10	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	16:10	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	16:10	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	16:10	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	16:10	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	16:10	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	16:10	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	16:10	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/04/2025	16:52	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	16:52	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	16:52	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	16:52	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	16:52	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	16:52	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	16:52	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	16:52	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	16:52	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	16:52	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	16:52	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	16:52	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	16:52	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	16:52	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	16:52	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	16:52	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	16:52	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	16:52	LB136011
CCB02	Aluminum	11.3	+/-50	U	100	P	06/04/2025	17:39	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	17:39	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	17:39	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	17:39	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	17:39	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	17:39	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	17:39	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	17:39	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	17:39	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	17:39	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	17:39	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	17:39	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	17:39	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	17:39	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	17:39	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	17:39	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	17:39	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/04/2025	17:39	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	17:39	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	17:39	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	17:39	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	17:39	LB136011
CCB03	Aluminum	11.3	+/-50	U	100	P	06/04/2025	18:42	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	18:42	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	18:42	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	18:42	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	18:42	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	18:42	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	18:42	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	18:42	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	18:42	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	18:42	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	18:42	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	18:42	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	18:42	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	18:42	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	18:42	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	18:42	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	18:42	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	18:42	LB136011
CCB04	Aluminum	11.3	+/-50	U	100	P	06/04/2025	19:30	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	19:30	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	19:30	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	19:30	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	19:30	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	19:30	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	19:30	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	19:30	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	19:30	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	19:30	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	06/04/2025	19:30	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	19:30	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	19:30	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	19:30	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	19:30	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	19:30	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	19:30	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	19:30	LB136011
CCB05	Aluminum	11.3	+/-50	U	100	P	06/04/2025	20:16	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	20:16	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	20:16	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	20:16	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	20:16	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	20:16	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	20:16	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	20:16	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	20:16	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	20:16	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	20:16	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	20:16	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	20:16	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	20:16	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	20:16	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	20:16	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	20:16	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	20:16	LB136011
CCB06	Aluminum	11.3	+/-50	U	100	P	06/04/2025	21:02	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	21:02	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	21:02	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	21:02	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	21:02	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	21:02	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	21:02	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	21:02	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	21:02	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	21:02	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	21:02	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	21:02	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	21:02	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	21:02	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	21:02	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	21:02	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	21:02	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	21:02	LB136011
CCB07	Aluminum	11.3	+/-50	U	100	P	06/04/2025	21:45	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	21:45	LB136011
	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	21:45	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	21:45	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	21:45	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	21:45	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	21:45	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	21:45	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	21:45	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	21:45	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	21:45	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	21:45	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	21:45	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	21:45	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	21:45	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	21:45	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	21:45	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	21:45	LB136011
CCB08	Aluminum	11.3	+/-50	U	100	P	06/04/2025	22:10	LB136011
	Antimony	6.76	+/-25	U	50.0	P	06/04/2025	22:10	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	22:10	LB136011
	Beryllium	0.56	+/-3	U	6.00	P	06/04/2025	22:10	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	22:10	LB136011
	Calcium	234	+/-1000	U	2000	P	06/04/2025	22:10	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	22:10	LB136011
	Cobalt	2.26	+/-15	U	30.0	P	06/04/2025	22:10	LB136011
	Copper	4.60	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Iron	23.4	+/-50	U	100	P	06/04/2025	22:10	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	22:10	LB136011
	Magnesium	244	+/-1000	U	2000	P	06/04/2025	22:10	LB136011
	Manganese	5.94	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Nickel	3.06	+/-20	U	40.0	P	06/04/2025	22:10	LB136011
	Potassium	918	+/-1000	U	2000	P	06/04/2025	22:10	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	22:10	LB136011
	Sodium	868	+/-1000	U	2000	P	06/04/2025	22:10	LB136011
	Thallium	4.38	+/-20	U	40.0	P	06/04/2025	22:10	LB136011
	Vanadium	6.26	+/-20	U	40.0	P	06/04/2025	22:10	LB136011
	Zinc	16.7	+/-20	U	40.0	P	06/04/2025	22:10	LB136011

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	14:45	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	14:45	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	14:45	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	14:45	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	14:45	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	14:45	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	14:45	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	14:45	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	14:45	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	14:45	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	14:45	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	14:45	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	15:35	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	15:35	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	15:35	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	15:35	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	15:35	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	15:35	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	15:35	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	15:35	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	15:35	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	15:35	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	15:35	LB136097
CCB02	Aluminum	11.3	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	16:32	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	16:32	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	16:32	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	16:32	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	16:32	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	16:32	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	16:32	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	16:32	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	16:32	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/10/2025	16:32	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	16:32	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	16:32	LB136097
CCB03	Aluminum	11.3	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	17:40	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	17:40	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	17:40	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	17:40	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	17:40	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	17:40	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	17:40	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	17:40	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	17:40	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	17:40	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	17:40	LB136097
CCB04	Aluminum	11.3	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	18:32	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	18:32	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	18:32	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	18:32	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	18:32	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	18:32	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	18:32	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	18:32	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	18:32	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	18:32	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	18:32	LB136097
CCB05	Aluminum	11.3	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	19:22	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	19:22	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	19:22	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	19:22	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	19:22	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	19:22	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	19:22	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	19:22	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	19:22	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	19:22	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	19:22	LB136097
CCB06	Aluminum	11.3	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	20:14	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	20:14	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	20:14	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	20:14	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	20:14	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	20:14	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	20:14	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	20:14	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	20:14	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	20:14	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	20:14	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	20:14	LB136097
CCB07	Aluminum	11.3	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	21:08	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	21:08	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	21:08	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	21:08	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	21:08	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	21:08	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	21:08	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	21:08	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	21:08	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	21:08	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	21:08	LB136097
CCB08	Aluminum	11.3	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	22:08	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	22:08	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	22:08	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	22:08	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	22:08	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	22:08	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	22:08	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	22:08	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	22:08	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	22:08	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	22:08	LB136097
CCB09	Aluminum	11.3	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/10/2025	23:01	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Barium	14.6	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/10/2025	23:01	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/10/2025	23:01	LB136097
	Calcium	234	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/10/2025	23:01	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/10/2025	23:01	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Iron	23.4	+/-50	U	100	P	06/10/2025	23:01	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/10/2025	23:01	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Potassium	918	+/-1000	U	2000	P	06/10/2025	23:01	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/10/2025	23:01	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/10/2025	23:01	LB136097
	Sodium	868	+/-1000	U	2000	P	06/10/2025	23:01	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/10/2025	23:01	LB136097
CCB10	Aluminum	11.3	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	00:02	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	00:02	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	00:02	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	00:02	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	00:02	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	00:02	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	00:02	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	00:02	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	00:02	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	00:02	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	00:02	LB136097
CCB11	Aluminum	11.3	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	01:39	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	01:39	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	01:39	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	01:39	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	01:39	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	01:39	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	01:39	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	01:39	LB136097

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	01:39	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	01:39	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	01:39	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	01:39	LB136097
CCB12	Aluminum	11.3	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Antimony	6.76	+/-25	U	50.0	P	06/11/2025	02:25	LB136097
	Arsenic	5.12	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Barium	14.6	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Beryllium	0.56	+/-3	U	6.00	P	06/11/2025	02:25	LB136097
	Cadmium	0.50	+/-3	U	6.00	P	06/11/2025	02:25	LB136097
	Calcium	234	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Chromium	2.12	+/-5	U	10.0	P	06/11/2025	02:25	LB136097
	Cobalt	2.26	+/-15	U	30.0	P	06/11/2025	02:25	LB136097
	Copper	4.60	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Iron	23.4	+/-50	U	100	P	06/11/2025	02:25	LB136097
	Lead	2.30	+/-6	U	12.0	P	06/11/2025	02:25	LB136097
	Magnesium	244	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Manganese	5.94	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Nickel	3.06	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Potassium	918	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Selenium	9.64	+/-10	U	20.0	P	06/11/2025	02:25	LB136097
	Silver	1.62	+/-5	U	10.0	P	06/11/2025	02:25	LB136097
	Sodium	868	+/-1000	U	2000	P	06/11/2025	02:25	LB136097
	Thallium	4.38	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Vanadium	6.26	+/-20	U	40.0	P	06/11/2025	02:25	LB136097
	Zinc	16.7	+/-20	U	40.0	P	06/11/2025	02:25	LB136097

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168247BL		**WATER**		**Batch Number:**	**PB168247**		**Prep Date:**	**06/02/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	06/03/2025	10:59	LB135986

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168249BL		**SOLID**		**Batch Number:**	**PB168249**		**Prep Date:**	**06/02/2025**	
	Mercury	0.0070	<0.013	U	0.013	CV	06/03/2025	13:53	LB135987

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168245BL		**SOLID**		**Batch Number:**	**PB168245**		**Prep Date:**	**06/02/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Antimony	0.22	<1.25	U	2.50	P	06/10/2025	20:35	LB136097
	Arsenic	0.19	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Barium	0.73	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Beryllium	0.025	<0.15	U	0.30	P	06/10/2025	20:35	LB136097
	Cadmium	0.024	<0.15	U	0.30	P	06/10/2025	20:35	LB136097
	Calcium	11.1	<50	U	100	P	06/10/2025	20:35	LB136097
	Chromium	0.047	<0.25	U	0.50	P	06/10/2025	20:35	LB136097
	Cobalt	0.10	<0.75	U	1.50	P	06/10/2025	20:35	LB136097
	Copper	0.22	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Iron	3.99	<2.5	U	5.00	P	06/10/2025	20:35	LB136097
	Lead	0.13	<0.3	U	0.60	P	06/10/2025	20:35	LB136097
	Magnesium	12.0	<50	U	100	P	06/10/2025	20:35	LB136097
	Manganese	0.14	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Nickel	0.13	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Potassium	27.7	<50	U	100	P	06/10/2025	20:35	LB136097
	Selenium	0.26	<0.5	U	1.00	P	06/10/2025	20:35	LB136097
	Silver	0.12	<0.25	U	0.50	P	06/10/2025	20:35	LB136097
	Sodium	17.8	<50	U	100	P	06/10/2025	20:35	LB136097
	Thallium	0.23	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Vanadium	0.25	<1	U	2.00	P	06/10/2025	20:35	LB136097
	Zinc	0.23	<1	U	2.00	P	06/10/2025	20:35	LB136097

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168255BL		**WATER**		**Batch Number:**	**PB168255**		**Prep Date:**	**06/03/2025**	
	Aluminum	5.67	<25	U	50.0	P	06/04/2025	19:51	LB136011
	Antimony	3.38	<12.5	U	25.0	P	06/04/2025	19:51	LB136011
	Arsenic	2.56	<5	U	10.0	P	06/04/2025	19:51	LB136011
	Barium	7.28	<25	U	50.0	P	06/04/2025	19:51	LB136011
	Beryllium	0.28	<1.5	U	3.00	P	06/04/2025	19:51	LB136011
	Cadmium	0.25	<1.5	U	3.00	P	06/04/2025	19:51	LB136011
	Calcium	117	<500	U	1000	P	06/04/2025	19:51	LB136011
	Chromium	1.06	<2.5	U	5.00	P	06/04/2025	19:51	LB136011
	Cobalt	1.13	<7.5	U	15.0	P	06/04/2025	19:51	LB136011
	Copper	2.30	<5	U	10.0	P	06/04/2025	19:51	LB136011
	Iron	11.7	<25	U	50.0	P	06/04/2025	19:51	LB136011
	Lead	1.15	<3	U	6.00	P	06/04/2025	19:51	LB136011
	Magnesium	122	<500	U	1000	P	06/04/2025	19:51	LB136011
	Manganese	2.97	<5	U	10.0	P	06/04/2025	19:51	LB136011
	Nickel	1.53	<10	U	20.0	P	06/04/2025	19:51	LB136011

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Instrument: P4

Potassium	459	<500	U	1000	P	06/04/2025	19:51	LB136011
Selenium	4.82	<5	U	10.0	P	06/04/2025	19:51	LB136011
Silver	0.81	<2.5	U	5.00	P	06/04/2025	19:51	LB136011
Sodium	434	<500	U	1000	P	06/04/2025	19:51	LB136011
Thallium	2.19	<10	U	20.0	P	06/04/2025	19:51	LB136011
Vanadium	3.13	<10	U	20.0	P	06/04/2025	19:51	LB136011
Zinc	8.33	<10	U	20.0	P	06/04/2025	19:51	LB136011

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV24	Mercury	4.16	4.0	104	90 - 110	CV	06/03/2025	10:33	LB135986

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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
CCV86	Mercury	4.85	5.0	97	90 - 110	CV	06/03/2025	10:38	LB135986
CCV87	Mercury	4.56	5.0	91	90 - 110	CV	06/03/2025	11:22	LB135986
CCV88	Mercury	4.81	5.0	96	90 - 110	CV	06/03/2025	11:50	LB135986
CCV89	Mercury	4.80	5.0	96	90 - 110	CV	06/03/2025	12:02	LB135986

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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
ICV25	Mercury	4.05	4.0	101	90 - 110	CV	06/03/2025	12:43	LB135987

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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
CCV90	Mercury	4.72	5.0	94	90 - 110	CV	06/03/2025	12:48	LB135987
CCV91	Mercury	4.54	5.0	91	90 - 110	CV	06/03/2025	13:20	LB135987
CCV92	Mercury	4.53	5.0	90	90 - 110	CV	06/03/2025	13:48	LB135987
CCV93	Mercury	4.88	5.0	98	90 - 110	CV	06/03/2025	14:16	LB135987
CCV94	Mercury	4.76	5.0	95	90 - 110	CV	06/03/2025	14:48	LB135987
CCV95	Mercury	4.82	5.0	96	90 - 110	CV	06/03/2025	15:02	LB135987

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	2470	2500	99	90 - 110	P	06/04/2025	15:49	LB136011
	Antimony	1020	1000	102	90 - 110	P	06/04/2025	15:49	LB136011
	Arsenic	1000	1000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Barium	552	520	106	90 - 110	P	06/04/2025	15:49	LB136011
	Beryllium	472	510	92	90 - 110	P	06/04/2025	15:49	LB136011
	Cadmium	500	510	98	90 - 110	P	06/04/2025	15:49	LB136011
	Calcium	9520	10000	95	90 - 110	P	06/04/2025	15:49	LB136011
	Chromium	518	520	100	90 - 110	P	06/04/2025	15:49	LB136011
	Cobalt	521	520	100	90 - 110	P	06/04/2025	15:49	LB136011
	Copper	527	510	103	90 - 110	P	06/04/2025	15:49	LB136011
	Iron	10100	10000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Lead	976	1000	98	90 - 110	P	06/04/2025	15:49	LB136011
	Magnesium	5940	6000	99	90 - 110	P	06/04/2025	15:49	LB136011
	Manganese	500	520	96	90 - 110	P	06/04/2025	15:49	LB136011
	Nickel	532	530	100	90 - 110	P	06/04/2025	15:49	LB136011
	Potassium	10500	9900	106	90 - 110	P	06/04/2025	15:49	LB136011
	Selenium	1000	1000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Silver	234	250	94	90 - 110	P	06/04/2025	15:49	LB136011
	Sodium	10400	10000	104	90 - 110	P	06/04/2025	15:49	LB136011
	Thallium	1000	1000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Vanadium	469	500	94	90 - 110	P	06/04/2025	15:49	LB136011
	Zinc	971	1000	97	90 - 110	P	06/04/2025	15:49	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	103	100	103	80 - 120	P	06/04/2025	16:06	LB136011
	Antimony	52.4	50.0	105	80 - 120	P	06/04/2025	16:06	LB136011
	Arsenic	18.1	20.0	90	80 - 120	P	06/04/2025	16:06	LB136011
	Barium	88.2	100	88	80 - 120	P	06/04/2025	16:06	LB136011
	Beryllium	5.51	6.0	92	80 - 120	P	06/04/2025	16:06	LB136011
	Cadmium	5.84	6.0	97	80 - 120	P	06/04/2025	16:06	LB136011
	Calcium	1880	2000	94	80 - 120	P	06/04/2025	16:06	LB136011
	Chromium	10.2	10.0	102	80 - 120	P	06/04/2025	16:06	LB136011
	Cobalt	29.2	30.0	97	80 - 120	P	06/04/2025	16:06	LB136011
	Copper	21.5	20.0	108	80 - 120	P	06/04/2025	16:06	LB136011
	Iron	109	100	109	80 - 120	P	06/04/2025	16:06	LB136011
	Lead	11.3	12.0	94	80 - 120	P	06/04/2025	16:06	LB136011
	Magnesium	1890	2000	95	80 - 120	P	06/04/2025	16:06	LB136011
	Manganese	18.7	20.0	94	80 - 120	P	06/04/2025	16:06	LB136011
	Nickel	39.9	40.0	100	80 - 120	P	06/04/2025	16:06	LB136011
	Potassium	1870	2000	94	80 - 120	P	06/04/2025	16:06	LB136011
	Selenium	23.1	20.0	115	80 - 120	P	06/04/2025	16:06	LB136011
	Silver	9.80	10.0	98	80 - 120	P	06/04/2025	16:06	LB136011
	Sodium	1770	2000	88	80 - 120	P	06/04/2025	16:06	LB136011
	Thallium	39.8	40.0	100	80 - 120	P	06/04/2025	16:06	LB136011
	Vanadium	37.5	40.0	94	80 - 120	P	06/04/2025	16:06	LB136011
	Zinc	42.0	40.0	105	80 - 120	P	06/04/2025	16:06	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	9950	10000	100	90 - 110	P	06/04/2025	16:45	LB136011
	Antimony	5070	5000	102	90 - 110	P	06/04/2025	16:45	LB136011
	Arsenic	5030	5000	101	90 - 110	P	06/04/2025	16:45	LB136011
	Barium	9780	10000	98	90 - 110	P	06/04/2025	16:45	LB136011
	Beryllium	247	250	99	90 - 110	P	06/04/2025	16:45	LB136011
	Cadmium	2510	2500	100	90 - 110	P	06/04/2025	16:45	LB136011
	Calcium	24300	25000	97	90 - 110	P	06/04/2025	16:45	LB136011
	Chromium	993	1000	99	90 - 110	P	06/04/2025	16:45	LB136011
	Cobalt	2510	2500	100	90 - 110	P	06/04/2025	16:45	LB136011
	Copper	1280	1250	102	90 - 110	P	06/04/2025	16:45	LB136011
	Iron	4790	5000	96	90 - 110	P	06/04/2025	16:45	LB136011
	Lead	5010	5000	100	90 - 110	P	06/04/2025	16:45	LB136011
	Magnesium	24300	25000	97	90 - 110	P	06/04/2025	16:45	LB136011
	Manganese	2440	2500	98	90 - 110	P	06/04/2025	16:45	LB136011
	Nickel	2530	2500	101	90 - 110	P	06/04/2025	16:45	LB136011
	Potassium	24200	25000	97	90 - 110	P	06/04/2025	16:45	LB136011
	Selenium	5070	5000	101	90 - 110	P	06/04/2025	16:45	LB136011
	Silver	1230	1250	99	90 - 110	P	06/04/2025	16:45	LB136011
	Sodium	24500	25000	98	90 - 110	P	06/04/2025	16:45	LB136011
	Thallium	4790	5000	96	90 - 110	P	06/04/2025	16:45	LB136011
	Vanadium	2420	2500	97	90 - 110	P	06/04/2025	16:45	LB136011
	Zinc	2450	2500	98	90 - 110	P	06/04/2025	16:45	LB136011
CCV02	Aluminum	9620	10000	96	90 - 110	P	06/04/2025	17:35	LB136011
	Antimony	4990	5000	100	90 - 110	P	06/04/2025	17:35	LB136011
	Arsenic	4960	5000	99	90 - 110	P	06/04/2025	17:35	LB136011
	Barium	9200	10000	92	90 - 110	P	06/04/2025	17:35	LB136011
	Beryllium	244	250	98	90 - 110	P	06/04/2025	17:35	LB136011
	Cadmium	2460	2500	98	90 - 110	P	06/04/2025	17:35	LB136011
	Calcium	23500	25000	94	90 - 110	P	06/04/2025	17:35	LB136011
	Chromium	985	1000	98	90 - 110	P	06/04/2025	17:35	LB136011
	Cobalt	2460	2500	98	90 - 110	P	06/04/2025	17:35	LB136011
	Copper	1250	1250	100	90 - 110	P	06/04/2025	17:35	LB136011
	Iron	4740	5000	95	90 - 110	P	06/04/2025	17:35	LB136011
	Lead	4910	5000	98	90 - 110	P	06/04/2025	17:35	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	23600	25000	94	90 - 110	P	06/04/2025	17:35	LB136011
	Manganese	2330	2500	93	90 - 110	P	06/04/2025	17:35	LB136011
	Nickel	2480	2500	99	90 - 110	P	06/04/2025	17:35	LB136011
	Potassium	23800	25000	95	90 - 110	P	06/04/2025	17:35	LB136011
	Selenium	5060	5000	101	90 - 110	P	06/04/2025	17:35	LB136011
	Silver	1230	1250	98	90 - 110	P	06/04/2025	17:35	LB136011
	Sodium	23700	25000	95	90 - 110	P	06/04/2025	17:35	LB136011
	Thallium	5120	5000	102	90 - 110	P	06/04/2025	17:35	LB136011
	Vanadium	2340	2500	94	90 - 110	P	06/04/2025	17:35	LB136011
	Zinc	2480	2500	99	90 - 110	P	06/04/2025	17:35	LB136011
CCV03	Aluminum	9250	10000	92	90 - 110	P	06/04/2025	18:37	LB136011
	Antimony	4830	5000	97	90 - 110	P	06/04/2025	18:37	LB136011
	Arsenic	4790	5000	96	90 - 110	P	06/04/2025	18:37	LB136011
	Barium	9130	10000	91	90 - 110	P	06/04/2025	18:37	LB136011
	Beryllium	231	250	93	90 - 110	P	06/04/2025	18:37	LB136011
	Cadmium	2390	2500	95	90 - 110	P	06/04/2025	18:37	LB136011
	Calcium	22900	25000	91	90 - 110	P	06/04/2025	18:37	LB136011
	Chromium	953	1000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Cobalt	2380	2500	95	90 - 110	P	06/04/2025	18:37	LB136011
	Copper	1220	1250	97	90 - 110	P	06/04/2025	18:37	LB136011
	Iron	4730	5000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Lead	4750	5000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Magnesium	22800	25000	91	90 - 110	P	06/04/2025	18:37	LB136011
	Manganese	2290	2500	92	90 - 110	P	06/04/2025	18:37	LB136011
	Nickel	2400	2500	96	90 - 110	P	06/04/2025	18:37	LB136011
	Potassium	23600	25000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Selenium	4850	5000	97	90 - 110	P	06/04/2025	18:37	LB136011
	Silver	1190	1250	96	90 - 110	P	06/04/2025	18:37	LB136011
	Sodium	23900	25000	96	90 - 110	P	06/04/2025	18:37	LB136011
	Thallium	4610	5000	92	90 - 110	P	06/04/2025	18:37	LB136011
	Vanadium	2280	2500	91	90 - 110	P	06/04/2025	18:37	LB136011
	Zinc	2370	2500	95	90 - 110	P	06/04/2025	18:37	LB136011
CCV04	Aluminum	9170	10000	92	90 - 110	P	06/04/2025	19:26	LB136011
	Antimony	4740	5000	95	90 - 110	P	06/04/2025	19:26	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	4700	5000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Barium	9070	10000	91	90 - 110	P	06/04/2025	19:26	LB136011
	Beryllium	227	250	91	90 - 110	P	06/04/2025	19:26	LB136011
	Cadmium	2360	2500	94	90 - 110	P	06/04/2025	19:26	LB136011
	Calcium	22800	25000	91	90 - 110	P	06/04/2025	19:26	LB136011
	Chromium	944	1000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Cobalt	2360	2500	94	90 - 110	P	06/04/2025	19:26	LB136011
	Copper	1190	1250	96	90 - 110	P	06/04/2025	19:26	LB136011
	Iron	4670	5000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Lead	4700	5000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Magnesium	22700	25000	91	90 - 110	P	06/04/2025	19:26	LB136011
	Manganese	2280	2500	91	90 - 110	P	06/04/2025	19:26	LB136011
	Nickel	2370	2500	95	90 - 110	P	06/04/2025	19:26	LB136011
	Potassium	23200	25000	93	90 - 110	P	06/04/2025	19:26	LB136011
	Selenium	4750	5000	95	90 - 110	P	06/04/2025	19:26	LB136011
	Silver	1170	1250	94	90 - 110	P	06/04/2025	19:26	LB136011
	Sodium	23600	25000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Thallium	4830	5000	97	90 - 110	P	06/04/2025	19:26	LB136011
	Vanadium	2280	2500	91	90 - 110	P	06/04/2025	19:26	LB136011
	Zinc	2310	2500	92	90 - 110	P	06/04/2025	19:26	LB136011
CCV05	Aluminum	9260	10000	93	90 - 110	P	06/04/2025	20:12	LB136011
	Antimony	4750	5000	95	90 - 110	P	06/04/2025	20:12	LB136011
	Arsenic	4700	5000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Barium	9550	10000	96	90 - 110	P	06/04/2025	20:12	LB136011
	Beryllium	228	250	91	90 - 110	P	06/04/2025	20:12	LB136011
	Cadmium	2350	2500	94	90 - 110	P	06/04/2025	20:12	LB136011
	Calcium	23100	25000	92	90 - 110	P	06/04/2025	20:12	LB136011
	Chromium	942	1000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Cobalt	2360	2500	94	90 - 110	P	06/04/2025	20:12	LB136011
	Copper	1200	1250	96	90 - 110	P	06/04/2025	20:12	LB136011
	Iron	4820	5000	96	90 - 110	P	06/04/2025	20:12	LB136011
	Lead	4720	5000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Magnesium	22700	25000	91	90 - 110	P	06/04/2025	20:12	LB136011
	Manganese	2330	2500	93	90 - 110	P	06/04/2025	20:12	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	2360	2500	95	90 - 110	P	06/04/2025	20:12	LB136011
	Potassium	24000	25000	96	90 - 110	P	06/04/2025	20:12	LB136011
	Selenium	4730	5000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Silver	1190	1250	95	90 - 110	P	06/04/2025	20:12	LB136011
	Sodium	24700	25000	99	90 - 110	P	06/04/2025	20:12	LB136011
	Thallium	4790	5000	96	90 - 110	P	06/04/2025	20:12	LB136011
	Vanadium	2310	2500	92	90 - 110	P	06/04/2025	20:12	LB136011
	Zinc	2340	2500	94	90 - 110	P	06/04/2025	20:12	LB136011
CCV06	Aluminum	9210	10000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Antimony	4660	5000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Arsenic	4620	5000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Barium	9410	10000	94	90 - 110	P	06/04/2025	20:58	LB136011
	Beryllium	231	250	93	90 - 110	P	06/04/2025	20:58	LB136011
	Cadmium	2320	2500	93	90 - 110	P	06/04/2025	20:58	LB136011
	Calcium	23300	25000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Chromium	930	1000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Cobalt	2330	2500	93	90 - 110	P	06/04/2025	20:58	LB136011
	Copper	1170	1250	94	90 - 110	P	06/04/2025	20:58	LB136011
	Iron	4690	5000	94	90 - 110	P	06/04/2025	20:58	LB136011
	Lead	4650	5000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Magnesium	23000	25000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Manganese	2350	2500	94	90 - 110	P	06/04/2025	20:58	LB136011
	Nickel	2330	2500	93	90 - 110	P	06/04/2025	20:58	LB136011
	Potassium	23000	25000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Selenium	4630	5000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Silver	1160	1250	93	90 - 110	P	06/04/2025	20:58	LB136011
	Sodium	23500	25000	94	90 - 110	P	06/04/2025	20:58	LB136011
	Thallium	4690	5000	94	90 - 110	P	06/04/2025	20:58	LB136011
	Vanadium	2310	2500	92	90 - 110	P	06/04/2025	20:58	LB136011
	Zinc	2290	2500	92	90 - 110	P	06/04/2025	20:58	LB136011
CCV07	Aluminum	9220	10000	92	90 - 110	P	06/04/2025	21:41	LB136011
	Antimony	4730	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Arsenic	4710	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Barium	9600	10000	96	90 - 110	P	06/04/2025	21:41	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	230	250	92	90 - 110	P	06/04/2025	21:41	LB136011
	Cadmium	2370	2500	95	90 - 110	P	06/04/2025	21:41	LB136011
	Calcium	23400	25000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Chromium	945	1000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Cobalt	2360	2500	95	90 - 110	P	06/04/2025	21:41	LB136011
	Copper	1190	1250	95	90 - 110	P	06/04/2025	21:41	LB136011
	Iron	4930	5000	98	90 - 110	P	06/04/2025	21:41	LB136011
	Lead	4730	5000	95	90 - 110	P	06/04/2025	21:41	LB136011
	Magnesium	23000	25000	92	90 - 110	P	06/04/2025	21:41	LB136011
	Manganese	2370	2500	95	90 - 110	P	06/04/2025	21:41	LB136011
	Nickel	2370	2500	95	90 - 110	P	06/04/2025	21:41	LB136011
	Potassium	24100	25000	96	90 - 110	P	06/04/2025	21:41	LB136011
	Selenium	4690	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Silver	1190	1250	95	90 - 110	P	06/04/2025	21:41	LB136011
	Sodium	24700	25000	99	90 - 110	P	06/04/2025	21:41	LB136011
	Thallium	4700	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Vanadium	2340	2500	93	90 - 110	P	06/04/2025	21:41	LB136011
	Zinc	2340	2500	94	90 - 110	P	06/04/2025	21:41	LB136011
CCV08	Aluminum	9270	10000	93	90 - 110	P	06/04/2025	22:06	LB136011
	Antimony	4660	5000	93	90 - 110	P	06/04/2025	22:06	LB136011
	Arsenic	4620	5000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Barium	9210	10000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Beryllium	245	250	98	90 - 110	P	06/04/2025	22:06	LB136011
	Cadmium	2330	2500	93	90 - 110	P	06/04/2025	22:06	LB136011
	Calcium	23100	25000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Chromium	937	1000	94	90 - 110	P	06/04/2025	22:06	LB136011
	Cobalt	2330	2500	93	90 - 110	P	06/04/2025	22:06	LB136011
	Copper	1170	1250	94	90 - 110	P	06/04/2025	22:06	LB136011
	Iron	4430	5000	88	90 - 110	P	06/04/2025	22:06	LB136011
	Lead	4670	5000	93	90 - 110	P	06/04/2025	22:06	LB136011
	Magnesium	23200	25000	93	90 - 110	P	06/04/2025	22:06	LB136011
	Manganese	2330	2500	93	90 - 110	P	06/04/2025	22:06	LB136011
	Nickel	2330	2500	93	90 - 110	P	06/04/2025	22:06	LB136011
	Potassium	21800	25000	87	90 - 110	P	06/04/2025	22:06	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	4580	5000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Silver	1170	1250	94	90 - 110	P	06/04/2025	22:06	LB136011
	Sodium	22000	25000	88	90 - 110	P	06/04/2025	22:06	LB136011
	Thallium	4600	5000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Vanadium	2300	2500	92	90 - 110	P	06/04/2025	22:06	LB136011
	Zinc	2290	2500	92	90 - 110	P	06/04/2025	22:06	LB136011

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	7520	8000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Antimony	4020	4000	100	90 - 110	P	06/10/2025	14:37	LB136097
	Arsenic	3850	4000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Barium	7450	8000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Beryllium	198	200	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cadmium	1920	2000	96	90 - 110	P	06/10/2025	14:37	LB136097
	Calcium	18500	20000	92	90 - 110	P	06/10/2025	14:37	LB136097
	Chromium	794	800	99	90 - 110	P	06/10/2025	14:37	LB136097
	Cobalt	1940	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Copper	994	1000	99	90 - 110	P	06/10/2025	14:37	LB136097
	Iron	3770	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Lead	3800	4000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Magnesium	18700	20000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Manganese	1860	2000	93	90 - 110	P	06/10/2025	14:37	LB136097
	Nickel	1930	2000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Potassium	21800	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Selenium	3880	4000	97	90 - 110	P	06/10/2025	14:37	LB136097
	Silver	978	1000	98	90 - 110	P	06/10/2025	14:37	LB136097
	Sodium	21900	20000	109	90 - 110	P	06/10/2025	14:37	LB136097
	Thallium	3740	4000	94	90 - 110	P	06/10/2025	14:37	LB136097
	Vanadium	1900	2000	95	90 - 110	P	06/10/2025	14:37	LB136097
	Zinc	1980	2000	99	90 - 110	P	06/10/2025	14:37	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	06/10/2025	14:41	LB136097
	Antimony	55.0	50.0	110	80 - 120	P	06/10/2025	14:41	LB136097
	Arsenic	21.2	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Barium	101	100	101	80 - 120	P	06/10/2025	14:41	LB136097
	Beryllium	6.23	6.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Cadmium	6.31	6.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Calcium	2040	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Chromium	10.8	10.0	108	80 - 120	P	06/10/2025	14:41	LB136097
	Cobalt	30.5	30.0	102	80 - 120	P	06/10/2025	14:41	LB136097
	Copper	22.6	20.0	113	80 - 120	P	06/10/2025	14:41	LB136097
	Iron	108	100	108	80 - 120	P	06/10/2025	14:41	LB136097
	Lead	12.8	12.0	107	80 - 120	P	06/10/2025	14:41	LB136097
	Magnesium	2030	2000	102	80 - 120	P	06/10/2025	14:41	LB136097
	Manganese	21.1	20.0	106	80 - 120	P	06/10/2025	14:41	LB136097
	Nickel	41.6	40.0	104	80 - 120	P	06/10/2025	14:41	LB136097
	Potassium	1960	2000	98	80 - 120	P	06/10/2025	14:41	LB136097
	Selenium	19.7	20.0	98	80 - 120	P	06/10/2025	14:41	LB136097
	Silver	10.5	10.0	105	80 - 120	P	06/10/2025	14:41	LB136097
	Sodium	1920	2000	96	80 - 120	P	06/10/2025	14:41	LB136097
	Thallium	41.3	40.0	103	80 - 120	P	06/10/2025	14:41	LB136097
	Vanadium	38.7	40.0	97	80 - 120	P	06/10/2025	14:41	LB136097
	Zinc	43.7	40.0	109	80 - 120	P	06/10/2025	14:41	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Antimony	5060	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Arsenic	5050	5000	101	90 - 110	P	06/10/2025	15:30	LB136097
	Barium	9840	10000	98	90 - 110	P	06/10/2025	15:30	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	15:30	LB136097
	Cadmium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	15:30	LB136097
	Cobalt	2500	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Copper	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Iron	4860	5000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Lead	5030	5000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	15:30	LB136097
	Manganese	2480	2500	99	90 - 110	P	06/10/2025	15:30	LB136097
	Nickel	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Potassium	24200	25000	97	90 - 110	P	06/10/2025	15:30	LB136097
	Selenium	5080	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Silver	1270	1250	101	90 - 110	P	06/10/2025	15:30	LB136097
	Sodium	24100	25000	96	90 - 110	P	06/10/2025	15:30	LB136097
	Thallium	5100	5000	102	90 - 110	P	06/10/2025	15:30	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	15:30	LB136097
	Zinc	2560	2500	102	90 - 110	P	06/10/2025	15:30	LB136097
CCV02	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Antimony	5040	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Arsenic	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Barium	9830	10000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Beryllium	261	250	104	90 - 110	P	06/10/2025	16:28	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	16:28	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	16:28	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Iron	4930	5000	99	90 - 110	P	06/10/2025	16:28	LB136097
	Lead	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	25000	25000	100	90 - 110	P	06/10/2025	16:28	LB136097
	Manganese	2460	2500	98	90 - 110	P	06/10/2025	16:28	LB136097
	Nickel	2540	2500	101	90 - 110	P	06/10/2025	16:28	LB136097
	Potassium	24500	25000	98	90 - 110	P	06/10/2025	16:28	LB136097
	Selenium	5100	5000	102	90 - 110	P	06/10/2025	16:28	LB136097
	Silver	1270	1250	102	90 - 110	P	06/10/2025	16:28	LB136097
	Sodium	24400	25000	97	90 - 110	P	06/10/2025	16:28	LB136097
	Thallium	5070	5000	101	90 - 110	P	06/10/2025	16:28	LB136097
	Vanadium	2510	2500	100	90 - 110	P	06/10/2025	16:28	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	16:28	LB136097
CCV03	Aluminum	9930	10000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Arsenic	5130	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	17:36	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Calcium	25000	25000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	17:36	LB136097
	Iron	5390	5000	108	90 - 110	P	06/10/2025	17:36	LB136097
	Lead	5080	5000	102	90 - 110	P	06/10/2025	17:36	LB136097
	Magnesium	24700	25000	99	90 - 110	P	06/10/2025	17:36	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	17:36	LB136097
	Nickel	2540	2500	102	90 - 110	P	06/10/2025	17:36	LB136097
	Potassium	26400	25000	105	90 - 110	P	06/10/2025	17:36	LB136097
	Selenium	5140	5000	103	90 - 110	P	06/10/2025	17:36	LB136097
	Silver	1280	1250	103	90 - 110	P	06/10/2025	17:36	LB136097
	Sodium	26700	25000	107	90 - 110	P	06/10/2025	17:36	LB136097
	Thallium	4990	5000	100	90 - 110	P	06/10/2025	17:36	LB136097
	Vanadium	2540	2500	101	90 - 110	P	06/10/2025	17:36	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	17:36	LB136097
CCV04	Aluminum	9910	10000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Antimony	5130	5000	103	90 - 110	P	06/10/2025	18:28	LB136097

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	5200	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Barium	10300	10000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Beryllium	246	250	99	90 - 110	P	06/10/2025	18:28	LB136097
	Cadmium	2580	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Calcium	25200	25000	101	90 - 110	P	06/10/2025	18:28	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	18:28	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Copper	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Iron	5420	5000	108	90 - 110	P	06/10/2025	18:28	LB136097
	Lead	5160	5000	103	90 - 110	P	06/10/2025	18:28	LB136097
	Magnesium	24800	25000	99	90 - 110	P	06/10/2025	18:28	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	18:28	LB136097
	Nickel	2570	2500	103	90 - 110	P	06/10/2025	18:28	LB136097
	Potassium	25900	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Selenium	5220	5000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	18:28	LB136097
	Sodium	26000	25000	104	90 - 110	P	06/10/2025	18:28	LB136097
	Thallium	5110	5000	102	90 - 110	P	06/10/2025	18:28	LB136097
	Vanadium	2550	2500	102	90 - 110	P	06/10/2025	18:28	LB136097
	Zinc	2540	2500	101	90 - 110	P	06/10/2025	18:28	LB136097
CCV05	Aluminum	9840	10000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Arsenic	5170	5000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Barium	10200	10000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Beryllium	243	250	97	90 - 110	P	06/10/2025	19:18	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Calcium	24900	25000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/10/2025	19:18	LB136097
	Cobalt	2530	2500	101	90 - 110	P	06/10/2025	19:18	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	19:18	LB136097
	Iron	5340	5000	107	90 - 110	P	06/10/2025	19:18	LB136097
	Lead	5090	5000	102	90 - 110	P	06/10/2025	19:18	LB136097
	Magnesium	24400	25000	98	90 - 110	P	06/10/2025	19:18	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/10/2025	19:18	LB136097

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Potassium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	19:18	LB136097
	Silver	1260	1250	101	90 - 110	P	06/10/2025	19:18	LB136097
	Sodium	25200	25000	101	90 - 110	P	06/10/2025	19:18	LB136097
	Thallium	5000	5000	100	90 - 110	P	06/10/2025	19:18	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	19:18	LB136097
	Zinc	2510	2500	100	90 - 110	P	06/10/2025	19:18	LB136097
CCV06	Aluminum	10100	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Antimony	5120	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Arsenic	5160	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Barium	9960	10000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	20:09	LB136097
	Cobalt	2540	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	20:09	LB136097
	Iron	5150	5000	103	90 - 110	P	06/10/2025	20:09	LB136097
	Lead	5110	5000	102	90 - 110	P	06/10/2025	20:09	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Manganese	2500	2500	100	90 - 110	P	06/10/2025	20:09	LB136097
	Nickel	2550	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	20:09	LB136097
	Selenium	5190	5000	104	90 - 110	P	06/10/2025	20:09	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	20:09	LB136097
	Sodium	23800	25000	95	90 - 110	P	06/10/2025	20:09	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	20:09	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/10/2025	20:09	LB136097
	Zinc	2570	2500	103	90 - 110	P	06/10/2025	20:09	LB136097
CCV07	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097
	Antimony	5160	5000	103	90 - 110	P	06/10/2025	21:04	LB136097
	Arsenic	5230	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	21:04	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	261	250	104	90 - 110	P	06/10/2025	21:04	LB136097
	Cadmium	2600	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Calcium	25600	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Cobalt	2590	2500	103	90 - 110	P	06/10/2025	21:04	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Iron	5190	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Lead	5210	5000	104	90 - 110	P	06/10/2025	21:04	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Manganese	2550	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Potassium	23600	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	21:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	21:04	LB136097
	Sodium	23500	25000	94	90 - 110	P	06/10/2025	21:04	LB136097
	Thallium	5090	5000	102	90 - 110	P	06/10/2025	21:04	LB136097
	Vanadium	2590	2500	104	90 - 110	P	06/10/2025	21:04	LB136097
	Zinc	2540	2500	102	90 - 110	P	06/10/2025	21:04	LB136097
CCV08	Aluminum	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Antimony	5200	5000	104	90 - 110	P	06/10/2025	22:04	LB136097
	Arsenic	5240	5000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Beryllium	262	250	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Calcium	25400	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:04	LB136097
	Cobalt	2560	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Copper	1280	1250	103	90 - 110	P	06/10/2025	22:04	LB136097
	Iron	5140	5000	103	90 - 110	P	06/10/2025	22:04	LB136097
	Lead	5130	5000	102	90 - 110	P	06/10/2025	22:04	LB136097
	Magnesium	25300	25000	101	90 - 110	P	06/10/2025	22:04	LB136097
	Manganese	2540	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
	Nickel	2560	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Potassium	23500	25000	94	90 - 110	P	06/10/2025	22:04	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	5280	5000	106	90 - 110	P	06/10/2025	22:04	LB136097
	Silver	1280	1250	102	90 - 110	P	06/10/2025	22:04	LB136097
	Sodium	23400	25000	94	90 - 110	P	06/10/2025	22:04	LB136097
	Thallium	5010	5000	100	90 - 110	P	06/10/2025	22:04	LB136097
	Vanadium	2580	2500	103	90 - 110	P	06/10/2025	22:04	LB136097
	Zinc	2550	2500	102	90 - 110	P	06/10/2025	22:04	LB136097
CCV09	Aluminum	10000	10000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Antimony	5110	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Arsenic	5150	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Barium	10100	10000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Beryllium	260	250	104	90 - 110	P	06/10/2025	22:56	LB136097
	Cadmium	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Calcium	25100	25000	101	90 - 110	P	06/10/2025	22:56	LB136097
	Chromium	1050	1000	105	90 - 110	P	06/10/2025	22:56	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Copper	1270	1250	102	90 - 110	P	06/10/2025	22:56	LB136097
	Iron	5160	5000	103	90 - 110	P	06/10/2025	22:56	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	22:56	LB136097
	Magnesium	25000	25000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Manganese	2510	2500	100	90 - 110	P	06/10/2025	22:56	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Potassium	24100	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Selenium	5180	5000	104	90 - 110	P	06/10/2025	22:56	LB136097
	Silver	1290	1250	103	90 - 110	P	06/10/2025	22:56	LB136097
	Sodium	23900	25000	96	90 - 110	P	06/10/2025	22:56	LB136097
	Thallium	5020	5000	100	90 - 110	P	06/10/2025	22:56	LB136097
	Vanadium	2540	2500	102	90 - 110	P	06/10/2025	22:56	LB136097
	Zinc	2580	2500	103	90 - 110	P	06/10/2025	22:56	LB136097
CCV10	Aluminum	10200	10000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Antimony	5170	5000	103	90 - 110	P	06/10/2025	23:57	LB136097
	Arsenic	5180	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Barium	10000	10000	100	90 - 110	P	06/10/2025	23:57	LB136097
	Beryllium	264	250	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cadmium	2540	2500	102	90 - 110	P	06/10/2025	23:57	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Chromium	1060	1000	106	90 - 110	P	06/10/2025	23:57	LB136097
	Cobalt	2550	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Copper	1280	1250	102	90 - 110	P	06/10/2025	23:57	LB136097
	Iron	5200	5000	104	90 - 110	P	06/10/2025	23:57	LB136097
	Lead	5100	5000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Magnesium	25400	25000	102	90 - 110	P	06/10/2025	23:57	LB136097
	Manganese	2530	2500	101	90 - 110	P	06/10/2025	23:57	LB136097
	Nickel	2560	2500	102	90 - 110	P	06/10/2025	23:57	LB136097
	Potassium	24000	25000	96	90 - 110	P	06/10/2025	23:57	LB136097
	Selenium	5230	5000	105	90 - 110	P	06/10/2025	23:57	LB136097
	Silver	1310	1250	104	90 - 110	P	06/10/2025	23:57	LB136097
	Sodium	23600	25000	94	90 - 110	P	06/10/2025	23:57	LB136097
	Thallium	4940	5000	99	90 - 110	P	06/10/2025	23:57	LB136097
	Vanadium	2570	2500	103	90 - 110	P	06/10/2025	23:57	LB136097
	Zinc	2630	2500	105	90 - 110	P	06/10/2025	23:57	LB136097
CCV11	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	01:35	LB136097
	Antimony	5240	5000	105	90 - 110	P	06/11/2025	01:35	LB136097
	Arsenic	5280	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Barium	10100	10000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Beryllium	259	250	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cadmium	2570	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Calcium	25100	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Chromium	1040	1000	104	90 - 110	P	06/11/2025	01:35	LB136097
	Cobalt	2580	2500	103	90 - 110	P	06/11/2025	01:35	LB136097
	Copper	1290	1250	103	90 - 110	P	06/11/2025	01:35	LB136097
	Iron	5060	5000	101	90 - 110	P	06/11/2025	01:35	LB136097
	Lead	5160	5000	103	90 - 110	P	06/11/2025	01:35	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	01:35	LB136097
	Manganese	2520	2500	101	90 - 110	P	06/11/2025	01:35	LB136097
	Nickel	2590	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
	Potassium	23800	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Selenium	5320	5000	106	90 - 110	P	06/11/2025	01:35	LB136097
	Silver	1280	1250	103	90 - 110	P	06/11/2025	01:35	LB136097

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	23700	25000	95	90 - 110	P	06/11/2025	01:35	LB136097
	Thallium	4950	5000	99	90 - 110	P	06/11/2025	01:35	LB136097
	Vanadium	2560	2500	102	90 - 110	P	06/11/2025	01:35	LB136097
	Zinc	2600	2500	104	90 - 110	P	06/11/2025	01:35	LB136097
CCV12	Aluminum	10200	10000	102	90 - 110	P	06/11/2025	02:21	LB136097
	Antimony	4840	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Arsenic	4850	5000	97	90 - 110	P	06/11/2025	02:21	LB136097
	Barium	10000	10000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Beryllium	264	250	105	90 - 110	P	06/11/2025	02:21	LB136097
	Cadmium	2400	2500	96	90 - 110	P	06/11/2025	02:21	LB136097
	Calcium	24900	25000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Chromium	1030	1000	103	90 - 110	P	06/11/2025	02:21	LB136097
	Cobalt	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Copper	1200	1250	96	90 - 110	P	06/11/2025	02:21	LB136097
	Iron	4930	5000	99	90 - 110	P	06/11/2025	02:21	LB136097
	Lead	4810	5000	96	90 - 110	P	06/11/2025	02:21	LB136097
	Magnesium	24900	25000	100	90 - 110	P	06/11/2025	02:21	LB136097
	Manganese	2490	2500	100	90 - 110	P	06/11/2025	02:21	LB136097
	Nickel	2420	2500	97	90 - 110	P	06/11/2025	02:21	LB136097
	Potassium	23100	25000	92	90 - 110	P	06/11/2025	02:21	LB136097
	Selenium	4880	5000	98	90 - 110	P	06/11/2025	02:21	LB136097
	Silver	1280	1250	102	90 - 110	P	06/11/2025	02:21	LB136097
	Sodium	22800	25000	91	90 - 110	P	06/11/2025	02:21	LB136097
	Thallium	4660	5000	93	90 - 110	P	06/11/2025	02:21	LB136097
	Vanadium	2530	2500	101	90 - 110	P	06/11/2025	02:21	LB136097
	Zinc	2590	2500	104	90 - 110	P	06/11/2025	02:21	LB136097

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	0.18	0.2	91	70 - 130	CV	06/03/2025	10:50	LB135986
CRA	Mercury	0.21	0.2	104	70 - 130	CV	06/03/2025	12:52	LB135987
CRI01	Aluminum	98.3	100	98	65 - 135	P	06/04/2025	16:15	LB136011
	Antimony	50.4	50.0	101	65 - 135	P	06/04/2025	16:15	LB136011
	Arsenic	18.7	20.0	93	65 - 135	P	06/04/2025	16:15	LB136011
	Barium	86.6	100	87	65 - 135	P	06/04/2025	16:15	LB136011
	Beryllium	5.83	6.0	97	65 - 135	P	06/04/2025	16:15	LB136011
	Cadmium	5.99	6.0	100	65 - 135	P	06/04/2025	16:15	LB136011
	Calcium	1880	2000	94	65 - 135	P	06/04/2025	16:15	LB136011
	Chromium	10.8	10.0	108	65 - 135	P	06/04/2025	16:15	LB136011
	Cobalt	29.4	30.0	98	65 - 135	P	06/04/2025	16:15	LB136011
	Copper	22.0	20.0	110	65 - 135	P	06/04/2025	16:15	LB136011
	Iron	102	100	102	65 - 135	P	06/04/2025	16:15	LB136011
	Lead	11.2	12.0	93	65 - 135	P	06/04/2025	16:15	LB136011
	Magnesium	1930	2000	96	65 - 135	P	06/04/2025	16:15	LB136011
	Manganese	18.8	20.0	94	65 - 135	P	06/04/2025	16:15	LB136011
	Nickel	40.6	40.0	102	65 - 135	P	06/04/2025	16:15	LB136011
	Potassium	1840	2000	92	65 - 135	P	06/04/2025	16:15	LB136011
	Selenium	20.9	20.0	105	65 - 135	P	06/04/2025	16:15	LB136011
	Silver	10.0	10.0	100	65 - 135	P	06/04/2025	16:15	LB136011
	Sodium	1720	2000	86	65 - 135	P	06/04/2025	16:15	LB136011
	Thallium	38.5	40.0	96	65 - 135	P	06/04/2025	16:15	LB136011
	Vanadium	37.4	40.0	94	65 - 135	P	06/04/2025	16:15	LB136011
	Zinc	42.5	40.0	106	65 - 135	P	06/04/2025	16:15	LB136011
CRI01	Aluminum	105	100	105	65 - 135	P	06/10/2025	14:50	LB136097
	Antimony	53.3	50.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Arsenic	22.9	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Barium	98.7	100	99	65 - 135	P	06/10/2025	14:50	LB136097
	Beryllium	6.22	6.0	104	65 - 135	P	06/10/2025	14:50	LB136097
	Cadmium	6.07	6.0	101	65 - 135	P	06/10/2025	14:50	LB136097
	Calcium	2030	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Chromium	10.7	10.0	107	65 - 135	P	06/10/2025	14:50	LB136097
	Cobalt	30.4	30.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Copper	22.7	20.0	114	65 - 135	P	06/10/2025	14:50	LB136097
	Iron	111	100	111	65 - 135	P	06/10/2025	14:50	LB136097

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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	13.4	12.0	112	65 - 135	P	06/10/2025	14:50	LB136097
	Magnesium	2040	2000	102	65 - 135	P	06/10/2025	14:50	LB136097
	Manganese	21.0	20.0	105	65 - 135	P	06/10/2025	14:50	LB136097
	Nickel	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Potassium	1990	2000	99	65 - 135	P	06/10/2025	14:50	LB136097
	Selenium	19.5	20.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Silver	10.6	10.0	106	65 - 135	P	06/10/2025	14:50	LB136097
	Sodium	1890	2000	95	65 - 135	P	06/10/2025	14:50	LB136097
	Thallium	40.8	40.0	102	65 - 135	P	06/10/2025	14:50	LB136097
	Vanadium	39.1	40.0	98	65 - 135	P	06/10/2025	14:50	LB136097
	Zinc	44.1	40.0	110	65 - 135	P	06/10/2025	14:50	LB136097

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	241000	255000	94	216000	294000	06/04/2025	16:26	LB136011
	Antimony	-1.17			-50	50	06/04/2025	16:26	LB136011
	Arsenic	1.52			-20	20	06/04/2025	16:26	LB136011
	Barium	0.52	6.0	9	-94	106	06/04/2025	16:26	LB136011
	Beryllium	1.08			-6	6	06/04/2025	16:26	LB136011
	Cadmium	0.92	1.0	92	-5	7	06/04/2025	16:26	LB136011
	Calcium	226000	245000	92	208000	282000	06/04/2025	16:26	LB136011
	Chromium	46.0	52.0	88	42	62	06/04/2025	16:26	LB136011
	Cobalt	0.87			-30	30	06/04/2025	16:26	LB136011
	Copper	2.26	2.0	113	-18	22	06/04/2025	16:26	LB136011
	Iron	103000	101000	102	85600	116500	06/04/2025	16:26	LB136011
	Lead	-0.74			-12	12	06/04/2025	16:26	LB136011
	Magnesium	241000	255000	94	216000	294000	06/04/2025	16:26	LB136011
	Manganese	4.29	7.0	61	-13	27	06/04/2025	16:26	LB136011
	Nickel	2.59	2.0	130	-38	42	06/04/2025	16:26	LB136011
	Potassium	26.5			0	0	06/04/2025	16:26	LB136011
	Selenium	1.80			-20	20	06/04/2025	16:26	LB136011
	Silver	4.01			-10	10	06/04/2025	16:26	LB136011
	Sodium	-67.4			0	0	06/04/2025	16:26	LB136011
	Thallium	-0.73			-40	40	06/04/2025	16:26	LB136011
	Vanadium	4.43			-40	40	06/04/2025	16:26	LB136011
	Zinc	3.39			-40	40	06/04/2025	16:26	LB136011
ICSAB01	Aluminum	247000	247000	100	209000	285000	06/04/2025	16:32	LB136011
	Antimony	645	618	104	525	711	06/04/2025	16:32	LB136011
	Arsenic	106	104	102	88.4	120	06/04/2025	16:32	LB136011
	Barium	469	537	87	437	637	06/04/2025	16:32	LB136011
	Beryllium	484	495	98	420	570	06/04/2025	16:32	LB136011
	Cadmium	1000	972	103	826	1120	06/04/2025	16:32	LB136011
	Calcium	228000	235000	97	199000	271000	06/04/2025	16:32	LB136011
	Chromium	556	542	103	460	624	06/04/2025	16:32	LB136011
	Cobalt	510	476	107	404	548	06/04/2025	16:32	LB136011
	Copper	508	511	99	434	588	06/04/2025	16:32	LB136011
	Iron	101000	99300	102	84400	114500	06/04/2025	16:32	LB136011
	Lead	47.6	49.0	97	37	61	06/04/2025	16:32	LB136011
	Magnesium	246000	248000	99	210000	286000	06/04/2025	16:32	LB136011
	Manganese	468	507	92	430	584	06/04/2025	16:32	LB136011
	Nickel	1010	954	106	810	1100	06/04/2025	16:32	LB136011
	Potassium	22.6			0	0	06/04/2025	16:32	LB136011
	Selenium	56.4	46.0	123	26	66	06/04/2025	16:32	LB136011
	Silver	219	201	109	170	232	06/04/2025	16:32	LB136011
	Sodium	-64.1			0	0	06/04/2025	16:32	LB136011
	Thallium	95.3	108	88	68	148	06/04/2025	16:32	LB136011

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	461	491	94	417	565	06/04/2025	16:32	LB136011
	Zinc	1050	952	110	809	1095	06/04/2025	16:32	LB136011
ICSA01	Aluminum	256000	255000	100	216000	294000	06/10/2025	14:54	LB136097
	Antimony	-2.43			-50	50	06/10/2025	14:54	LB136097
	Arsenic	8.34			-20	20	06/10/2025	14:54	LB136097
	Barium	2.84	6.0	47	-94	106	06/10/2025	14:54	LB136097
	Beryllium	1.10			-6	6	06/10/2025	14:54	LB136097
	Cadmium	4.20	1.0	420	-5	7	06/10/2025	14:54	LB136097
	Calcium	239000	245000	98	208000	282000	06/10/2025	14:54	LB136097
	Chromium	47.4	52.0	91	42	62	06/10/2025	14:54	LB136097
	Cobalt	1.54			-30	30	06/10/2025	14:54	LB136097
	Copper	3.36	2.0	168	-18	22	06/10/2025	14:54	LB136097
	Iron	97000	101000	96	85600	116500	06/10/2025	14:54	LB136097
	Lead	-3.62			-12	12	06/10/2025	14:54	LB136097
	Magnesium	261000	255000	102	216000	294000	06/10/2025	14:54	LB136097
	Manganese	0.37	7.0	5	-13	27	06/10/2025	14:54	LB136097
	Nickel	2.57	2.0	128	-38	42	06/10/2025	14:54	LB136097
	Potassium	-7.55			0	0	06/10/2025	14:54	LB136097
	Selenium	-3.79			-20	20	06/10/2025	14:54	LB136097
	Silver	-2.86			-10	10	06/10/2025	14:54	LB136097
	Sodium	-38.2			0	0	06/10/2025	14:54	LB136097
	Thallium	-8.11			-40	40	06/10/2025	14:54	LB136097
	Vanadium	2.60			-40	40	06/10/2025	14:54	LB136097
	Zinc	6.32			-40	40	06/10/2025	14:54	LB136097
ICSAB01	Aluminum	245000	247000	99	209000	285000	06/10/2025	15:18	LB136097
	Antimony	633	618	102	525	711	06/10/2025	15:18	LB136097
	Arsenic	112	104	108	88.4	120	06/10/2025	15:18	LB136097
	Barium	510	537	95	437	637	06/10/2025	15:18	LB136097
	Beryllium	485	495	98	420	570	06/10/2025	15:18	LB136097
	Cadmium	1010	972	104	826	1120	06/10/2025	15:18	LB136097
	Calcium	230000	235000	98	199000	271000	06/10/2025	15:18	LB136097
	Chromium	549	542	101	460	624	06/10/2025	15:18	LB136097
	Cobalt	508	476	107	404	548	06/10/2025	15:18	LB136097
	Copper	496	511	97	434	588	06/10/2025	15:18	LB136097
	Iron	99000	99300	100	84400	114500	06/10/2025	15:18	LB136097
	Lead	43.7	49.0	89	37	61	06/10/2025	15:18	LB136097
	Magnesium	248000	248000	100	210000	286000	06/10/2025	15:18	LB136097
	Manganese	485	507	96	430	584	06/10/2025	15:18	LB136097
	Nickel	999	954	105	810	1100	06/10/2025	15:18	LB136097
	Potassium	-8.47			0	0	06/10/2025	15:18	LB136097
	Selenium	55.8	46.0	121	26	66	06/10/2025	15:18	LB136097
	Silver	193	201	96	170	232	06/10/2025	15:18	LB136097

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	-49.9			0	0	06/10/2025	15:18	LB136097
	Thallium	92.5	108	86	68	148	06/10/2025	15:18	LB136097
	Vanadium	489	491	100	417	565	06/10/2025	15:18	LB136097
	Zinc	1070	952	112	809	1095	06/10/2025	15:18	LB136097

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2155-04 **client id:** 444MS

Percent Solids for Sample: NA **Spiked ID:** Q2155-04MS **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	3.24		0.29		4.0	74	N	CV

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2155-04 **client id:** 444MSD

Percent Solids for Sample: NA **Spiked ID:** Q2155-04MSD **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	3.37		0.29		4.0	77		CV

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2169-03 **client id:** 303-PPR-2MS

Percent Solids for Sample: NA **Spiked ID:** Q2169-03MS **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	23000		21900		1000	114		P
Antimony	ug/L	75 - 125	220		25.0	U	400	55	N	P
Arsenic	ug/L	75 - 125	349		12.7		400	84		P
Barium	ug/L	75 - 125	224		143		100	81		P
Beryllium	ug/L	75 - 125	83.7		0.90	J	100	83		P
Cadmium	ug/L	75 - 125	95.2		0.74	J	100	94		P
Calcium	ug/L	75 - 125	39000		36900		500	419		P
Chromium	ug/L	75 - 125	255		86.8		200	84		P
Cobalt	ug/L	75 - 125	106		11.6	J	100	95		P
Copper	ug/L	75 - 125	206		94.4		150	74	N	P
Iron	ug/L	75 - 125	20500		21500		1500	-71		P
Lead	ug/L	75 - 125	542		102		500	88		P
Magnesium	ug/L	75 - 125	11100		9650		1000	149		P
Manganese	ug/L	75 - 125	1070		952		100	118		P
Nickel	ug/L	75 - 125	265		30.1		250	94		P
Potassium	ug/L	75 - 125	10400		6440		5000	79		P
Selenium	ug/L	75 - 125	776		10.0	U	1000	78		P
Silver	ug/L	75 - 125	20.0		1.04	J	37.5	51	N	P
Sodium	ug/L	75 - 125	89200		94200		1500	-330		P
Thallium	ug/L	75 - 125	878		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	163		37.3		150	84		P
Zinc	ug/L	75 - 125	278		216		100	62	N	P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2169-03 **client id:** 303-PPR-2MSD

Percent Solids for Sample: NA **Spiked ID:** Q2169-03MSD **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	23800		21900		1000	193		P
Antimony	ug/L	75 - 125	232		25.0	U	400	58	N	P
Arsenic	ug/L	75 - 125	367		12.7		400	89		P
Barium	ug/L	75 - 125	222		143		100	79		P
Beryllium	ug/L	75 - 125	92.7		0.90	J	100	92		P
Cadmium	ug/L	75 - 125	101		0.74	J	100	100		P
Calcium	ug/L	75 - 125	38700		36900		500	347		P
Chromium	ug/L	75 - 125	268		86.8		200	91		P
Cobalt	ug/L	75 - 125	112		11.6	J	100	100		P
Copper	ug/L	75 - 125	216		94.4		150	81		P
Iron	ug/L	75 - 125	20500		21500		1500	-66		P
Lead	ug/L	75 - 125	570		102		500	94		P
Magnesium	ug/L	75 - 125	11300		9650		1000	168		P
Manganese	ug/L	75 - 125	1080		952		100	125		P
Nickel	ug/L	75 - 125	279		30.1		250	99		P
Potassium	ug/L	75 - 125	10600		6440		5000	84		P
Selenium	ug/L	75 - 125	825		10.0	U	1000	82		P
Silver	ug/L	75 - 125	21.8		1.04	J	37.5	55	N	P
Sodium	ug/L	75 - 125	87300		94200		1500	-456		P
Thallium	ug/L	75 - 125	915		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	166		37.3		150	86		P
Zinc	ug/L	75 - 125	290		216		100	74	N	P

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MS

Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MS **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.011	J	0.3	87		CV

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MSD

Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.011	J	0.29	95		CV

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MS

Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MS **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7400		5970		140	1023		P
Antimony	mg/Kg	75 - 125	22.4		3.76	U	54.4	41	N	P
Arsenic	mg/Kg	75 - 125	53.0		1.00	J	54.4	96		P
Barium	mg/Kg	75 - 125	19.0		5.38	J	13.6	100		P
Beryllium	mg/Kg	75 - 125	13.9		0.29	J	13.6	100		P
Cadmium	mg/Kg	75 - 125	13.9		0.19	J	13.6	101		P
Calcium	mg/Kg	75 - 125	586		427		68.0	234		P
Chromium	mg/Kg	75 - 125	36.3		8.68		27.2	102		P
Cobalt	mg/Kg	75 - 125	17.8		3.45		13.6	105		P
Copper	mg/Kg	75 - 125	27.0		6.86		20.4	99		P
Iron	mg/Kg	75 - 125	10500		9960		200	266		P
Lead	mg/Kg	75 - 125	69.1		4.48		68.0	95		P
Magnesium	mg/Kg	75 - 125	1940		1580		140	254		P
Manganese	mg/Kg	75 - 125	82.6		65.9		13.6	123		P
Nickel	mg/Kg	75 - 125	43.6		8.35		34.0	104		P
Potassium	mg/Kg	75 - 125	979		356		680	92		P
Selenium	mg/Kg	75 - 125	125		1.50	U	140	89		P
Silver	mg/Kg	75 - 125	4.82		0.75	U	5.1	94		P
Sodium	mg/Kg	75 - 125	572		357		200	108		P
Thallium	mg/Kg	75 - 125	125		3.00	U	140	89		P
Vanadium	mg/Kg	75 - 125	30.8		9.88		20.4	103		P
Zinc	mg/Kg	75 - 125	35.5		19.9		13.6	115		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MSD

Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MSD **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9640		5970		150	2448		P
Antimony	mg/Kg	75 - 125	21.9		3.76	U	58.4	38	N	P
Arsenic	mg/Kg	75 - 125	57.8		1.00	J	58.4	97		P
Barium	mg/Kg	75 - 125	23.7		5.38	J	14.6	126	N	P
Beryllium	mg/Kg	75 - 125	14.3		0.29	J	14.6	96		P
Cadmium	mg/Kg	75 - 125	15.0		0.19	J	14.6	102		P
Calcium	mg/Kg	75 - 125	868		427		73.0	604		P
Chromium	mg/Kg	75 - 125	41.4		8.68		29.2	112		P
Cobalt	mg/Kg	75 - 125	20.1		3.45		14.6	114		P
Copper	mg/Kg	75 - 125	31.2		6.86		21.9	111		P
Iron	mg/Kg	75 - 125	13600		9960		220	1676		P
Lead	mg/Kg	75 - 125	77.2		4.48		73.0	100		P
Magnesium	mg/Kg	75 - 125	2430		1580		150	565		P
Manganese	mg/Kg	75 - 125	98.2		65.9		14.6	221		P
Nickel	mg/Kg	75 - 125	49.4		8.35		36.5	113		P
Potassium	mg/Kg	75 - 125	1250		356		730	123		P
Selenium	mg/Kg	75 - 125	136		1.50	U	150	91		P
Silver	mg/Kg	75 - 125	5.46		0.75	U	5.5	99		P
Sodium	mg/Kg	75 - 125	789		357		220	196	N	P
Thallium	mg/Kg	75 - 125	136		3.00	U	150	91		P
Vanadium	mg/Kg	75 - 125	37.2		9.88		21.9	125		P
Zinc	mg/Kg	75 - 125	43.4		19.9		14.6	161	N	P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Level:** LOW **Client ID:** 444A

Sample ID: Q2155-04 **Spiked ID:** Q2155-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.23		0.29		4.00	74	N	CV

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Level:** LOW **Client ID:** 303-PPR-2A

Sample ID: Q2169-03 **Spiked ID:** Q2169-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	368		25.0	U	400	92		P
Copper	ug/L	75 - 125	224		94.4		150	86		P
Silver	ug/L	75 - 125	33.2		1.04	J	37.5	86		P
Zinc	ug/L	75 - 125	294		216		100	78		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Solid **Level:** LOW **Client ID:** B-187-SB02A

Sample ID: Q2177-04 **Spiked ID:** Q2177-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	57.7		3.76	U	60.1	96		P
Barium	mg/Kg	75 - 125	19.7		5.38	J	15.0	95		P
Sodium	mg/Kg	75 - 125	565		357		230	91		P
Zinc	mg/Kg	75 - 125	34.6		19.9		15.0	98		P

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2155-04 **Client ID:** 444DUP

Percent Solids for Sample: NA **Duplicate ID** Q2155-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.29		0.24		18		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2155-04MS **Client ID:** 444MSD

Percent Solids for Sample: NA **Duplicate ID** Q2155-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.24		3.37		4		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2169-03 **Client ID:** 303-PPR-2DUP

Percent Solids for Sample: NA **Duplicate ID** Q2169-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	21900		20800		5		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	12.7		12.0		6		P
Barium	ug/L	20	143		134		6		P
Beryllium	ug/L	20	0.90	J	0.99	J	9		P
Cadmium	ug/L	20	0.74	J	0.72	J	4		P
Calcium	ug/L	20	36900		36600		1		P
Chromium	ug/L	20	86.8		83.7		4		P
Cobalt	ug/L	20	11.6	J	10.5	J	10		P
Copper	ug/L	20	94.4		80.4		16		P
Iron	ug/L	20	21500		18900		13		P
Lead	ug/L	20	102		90.7		12		P
Magnesium	ug/L	20	9650		9860		2		P
Manganese	ug/L	20	952		944		1		P
Nickel	ug/L	20	30.1		27.1		10		P
Potassium	ug/L	20	6440		5690		12		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	1.04	J	5.00	U	200.0		P
Sodium	ug/L	20	94200		83400		12		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	37.3		35.4		5		P
Zinc	ug/L	20	216		200		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2169-03MS **Client ID:** 303-PPR-2MSD

Percent Solids for Sample: NA **Duplicate ID** Q2169-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	23000		23800		3		P
Antimony	ug/L	20	220		232		5		P
Arsenic	ug/L	20	349		367		5		P
Barium	ug/L	20	224		222		1		P
Beryllium	ug/L	20	83.7		92.7		10		P
Cadmium	ug/L	20	95.2		101		6		P
Calcium	ug/L	20	39000		38700		1		P
Chromium	ug/L	20	255		268		5		P
Cobalt	ug/L	20	106		112		6		P
Copper	ug/L	20	206		216		5		P
Iron	ug/L	20	20500		20500		0		P
Lead	ug/L	20	542		570		5		P
Magnesium	ug/L	20	11100		11300		2		P
Manganese	ug/L	20	1070		1080		1		P
Nickel	ug/L	20	265		279		5		P
Potassium	ug/L	20	10400		10600		2		P
Selenium	ug/L	20	776		825		6		P
Silver	ug/L	20	20.0		21.8		9		P
Sodium	ug/L	20	89200		87300		2		P
Thallium	ug/L	20	878		915		4		P
Vanadium	ug/L	20	163		166		2		P
Zinc	ug/L	20	278		290		4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Solid **Sample ID:** Q2176-08 **Client ID:** TP-65DUP

Percent Solids for Sample: 87.3 **Duplicate ID** Q2176-08DUP **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.011	J	0.010	J	10		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Solid **Sample ID:** Q2176-08MS **Client ID:** TP-65MSD

Percent Solids for Sample: 87.3 **Duplicate ID** Q2176-08MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.29		5		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Solid **Sample ID:** Q2177-04 **Client ID:** B-187-SB02DUP

Percent Solids for Sample: 62.8 **Duplicate ID** Q2177-04DUP **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5970		5850		2		P
Antimony	mg/Kg	20	3.76	U	3.59	U			P
Arsenic	mg/Kg	20	1.00	J	0.84	J	18		P
Barium	mg/Kg	20	5.38	J	5.76	J	7		P
Beryllium	mg/Kg	20	0.29	J	0.29	J	2		P
Cadmium	mg/Kg	20	0.19	J	0.19	J	4		P
Calcium	mg/Kg	20	427		426		0		P
Chromium	mg/Kg	20	8.68		8.54		2		P
Cobalt	mg/Kg	20	3.45		3.40		1		P
Copper	mg/Kg	20	6.86		6.63		3		P
Iron	mg/Kg	20	9960		9540		4		P
Lead	mg/Kg	20	4.48		4.45		1		P
Magnesium	mg/Kg	20	1580		1560		1		P
Manganese	mg/Kg	20	65.9		64.5		2		P
Nickel	mg/Kg	20	8.35		8.09		3		P
Potassium	mg/Kg	20	356		357		0		P
Selenium	mg/Kg	20	1.50	U	1.43	U			P
Silver	mg/Kg	20	0.75	U	0.72	U			P
Sodium	mg/Kg	20	357		342		4		P
Thallium	mg/Kg	20	3.00	U	2.87	U			P
Vanadium	mg/Kg	20	9.88		9.91		0		P
Zinc	mg/Kg	20	19.9		19.3		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Solid **Sample ID:** Q2177-04MS **Client ID:** B-187-SB02MSD

Percent Solids for Sample: 62.8 **Duplicate ID** Q2177-04MSD **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7400		9640		26	*	P
Antimony	mg/Kg	20	22.4		21.9		2		P
Arsenic	mg/Kg	20	53.0		57.8		9		P
Barium	mg/Kg	20	19.0		23.7		22	*	P
Beryllium	mg/Kg	20	13.9		14.3		3		P
Cadmium	mg/Kg	20	13.9		15.0		8		P
Calcium	mg/Kg	20	586		868		39	*	P
Chromium	mg/Kg	20	36.3		41.4		13		P
Cobalt	mg/Kg	20	17.8		20.1		12		P
Copper	mg/Kg	20	27.0		31.2		14		P
Iron	mg/Kg	20	10500		13600		26	*	P
Lead	mg/Kg	20	69.1		77.2		11		P
Magnesium	mg/Kg	20	1940		2430		22	*	P
Manganese	mg/Kg	20	82.6		98.2		17		P
Nickel	mg/Kg	20	43.6		49.4		12		P
Potassium	mg/Kg	20	979		1250		24	*	P
Selenium	mg/Kg	20	125		136		8		P
Silver	mg/Kg	20	4.82		5.46		12		P
Sodium	mg/Kg	20	572		789		32	*	P
Thallium	mg/Kg	20	125		136		8		P
Vanadium	mg/Kg	20	30.8		37.2		19		P
Zinc	mg/Kg	20	35.5		43.4		20		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168245BS							
Aluminum	mg/Kg	100	101		101	80 - 120	P
Antimony	mg/Kg	40.0	41.7		104	80 - 120	P
Arsenic	mg/Kg	40.0	41.4		104	80 - 120	P
Barium	mg/Kg	10.0	9.63		96	80 - 120	P
Beryllium	mg/Kg	10.0	11.0		110	80 - 120	P
Cadmium	mg/Kg	10.0	10.4		104	80 - 120	P
Calcium	mg/Kg	50.0	52.8	J	106	80 - 120	P
Chromium	mg/Kg	20.0	21.5		108	80 - 120	P
Cobalt	mg/Kg	10.0	10.5		105	80 - 120	P
Copper	mg/Kg	15.0	16.2		108	80 - 120	P
Iron	mg/Kg	150	149		99	80 - 120	P
Lead	mg/Kg	50.0	51.5		103	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	26.3		105	80 - 120	P
Potassium	mg/Kg	500	454		91	80 - 120	P
Selenium	mg/Kg	100	105		105	80 - 120	P
Silver	mg/Kg	3.8	3.94		104	80 - 120	P
Sodium	mg/Kg	150	127		85	80 - 120	P
Thallium	mg/Kg	100	104		104	80 - 120	P
Vanadium	mg/Kg	15.0	15.4		103	80 - 120	P
Zinc	mg/Kg	10.0	10.9		109	80 - 120	P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168247BS							
Mercury	ug/L	4.0	3.55		89	80 - 120	CV

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168249BS							
Mercury	mg/Kg	0.27	0.27		100	80 - 120	CV

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168255BS							
Aluminum	ug/L	1000	985		98	80 - 120	P
Antimony	ug/L	400	441		110	80 - 120	P
Arsenic	ug/L	400	427		107	80 - 120	P
Barium	ug/L	100	95.4		95	80 - 120	P
Beryllium	ug/L	100	102		102	80 - 120	P
Cadmium	ug/L	100	107		107	80 - 120	P
Calcium	ug/L	500	503	J	101	80 - 120	P
Chromium	ug/L	200	211		106	80 - 120	P
Cobalt	ug/L	100	107		107	80 - 120	P
Copper	ug/L	150	168		112	80 - 120	P
Iron	ug/L	1500	1580		105	80 - 120	P
Lead	ug/L	500	522		104	80 - 120	P
Magnesium	ug/L	1000	996	J	100	80 - 120	P
Manganese	ug/L	100	101		101	80 - 120	P
Nickel	ug/L	250	272		109	80 - 120	P
Potassium	ug/L	5000	4970		99	80 - 120	P
Selenium	ug/L	1000	1090		109	80 - 120	P
Silver	ug/L	37.5	38.3		102	80 - 120	P
Sodium	ug/L	1500	1450		97	80 - 120	P
Thallium	ug/L	1000	1070		107	80 - 120	P
Vanadium	ug/L	150	148		99	80 - 120	P
Zinc	ug/L	100	106		106	80 - 120	P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

444L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135986 **Lab Sample ID :** Q2155-04L **SDG No.:** Q2177

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	0.29		1.00	U	100.0		CV

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

303-PPR-2L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb136011 **Lab Sample ID :** Q2169-03L **SDG No.:** Q2177

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	21900		23800		9		P
Antimony	25.0	U	125	U			P
Arsenic	12.7		50.0	U	100.0		P
Barium	143		147	J	3		P
Beryllium	0.90	J	15.0	U	100.0		P
Cadmium	0.74	J	15.0	U	100.0		P
Calcium	36900		40100		9		P
Chromium	86.8		93.5		8		P
Cobalt	11.6	J	11.9	J	3		P
Copper	94.4		105		12		P
Iron	21500		23200		8		P
Lead	102		101		1		P
Magnesium	9650		10600		10		P
Manganese	952		1040		9		P
Nickel	30.1		30.7	J	2		P
Potassium	6440		6330		2		P
Selenium	10.0	U	50.0	U			P
Silver	1.04	J	25.0	U	100.0		P
Sodium	94200		94700		1		P
Thallium	20.0	U	100	U			P
Vanadium	37.3		42.3	J	14		P
Zinc	216		244		13		P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TP-65L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135987 **Lab Sample ID :** Q2176-08L **SDG No.:** Q2177

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	0.011	J	0.072	U	100.0		CV

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

B-187-SB02L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb136097 **Lab Sample ID :** Q2177-04L **SDG No.:** Q2177

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	5970		5860		2		P
Antimony	3.76	U	18.8	U			P
Arsenic	1.00	J	1.52	J	51		P
Barium	5.38	J	37.6	U	100.0		P
Beryllium	0.29	J	0.28	J	5		P
Cadmium	0.19	J	2.25	U	100.0		P
Calcium	427		429	J	1		P
Chromium	8.68		8.81		2		P
Cobalt	3.45		3.39	J	2		P
Copper	6.86		6.98	J	2		P
Iron	9960		10400		4		P
Lead	4.48		4.59		2		P
Magnesium	1580		1570		0		P
Manganese	65.9		67.2		2		P
Nickel	8.35		8.04	J	4		P
Potassium	356		340	J	4		P
Selenium	1.50	U	7.51	U			P
Silver	0.75	U	3.76	U			P
Sodium	357		326	J	9		P
Thallium	3.00	U	15.0	U			P
Vanadium	9.88		9.71	J	2		P
Zinc	19.9		19.8		1		P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB135986

Start date: 06/03/2025 **End date:** 06/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1009	HG
S0.2	S0.2	1	1012	HG
S2.5	S2.5	1	1014	HG
S5	S5	1	1016	HG
S7.5	S7.5	1	1019	HG
S10	S10	1	1027	HG
ICV24	ICV24	1	1033	HG
ICB24	ICB24	1	1035	HG
CCV86	CCV86	1	1038	HG
CCB86	CCB86	1	1040	HG
CRA	CRA	1	1050	HG
PB168247BL	PB168247BL	1	1059	HG
PB168247BS	PB168247BS	1	1104	HG
Q2155-04DUP	444DUP	1	1113	HG
Q2155-04MS	444MS	1	1120	HG
CCV87	CCV87	1	1122	HG
CCB87	CCB87	1	1125	HG
Q2155-04MSD	444MSD	1	1127	HG
Q2177-08	EB05312025	1	1148	HG
CCV88	CCV88	1	1150	HG
CCB88	CCB88	1	1153	HG
Q2155-04L	444L	5	1155	HG
Q2155-04A	444A	1	1157	HG
CCV89	CCV89	1	1202	HG
CCB89	CCB89	1	1204	HG

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB135987

Start date: 06/03/2025 **End date:** 06/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1229	HG
S0.2	S0.2	1	1231	HG
S2.5	S2.5	1	1233	HG
S5	S5	1	1236	HG
S7.5	S7.5	1	1238	HG
S10	S10	1	1240	HG
ICV25	ICV25	1	1243	HG
ICB25	ICB25	1	1246	HG
CCV90	CCV90	1	1248	HG
CCB90	CCB90	1	1250	HG
CRA	CRA	1	1252	HG
CCV91	CCV91	1	1320	HG
CCB91	CCB91	1	1322	HG
CCV92	CCV92	1	1348	HG
CCB92	CCB92	1	1351	HG
PB168249BL	PB168249BL	1	1353	HG
PB168249BS	PB168249BS	1	1355	HG
CCV93	CCV93	1	1416	HG
CCB93	CCB93	1	1418	HG
Q2176-08DUP	TP-65DUP	1	1427	HG
Q2176-08MS	TP-65MS	1	1430	HG
Q2176-08MSD	TP-65MSD	1	1432	HG
Q2177-02	B-187-SB01	1	1434	HG
Q2177-04	B-187-SB02	1	1437	HG
Q2177-06	B-202-SB01	1	1439	HG
CCV94	CCV94	1	1448	HG
CCB94	CCB94	1	1451	HG
Q2176-08L	TP-65L	5	1457	HG
CCV95	CCV95	1	1502	HG
CCB95	CCB95	1	1504	HG

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB136011

Start date: 06/04/2025 **End date:** 06/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1418	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	1423	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	1427	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	1431	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	1435	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	1439	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	1549	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	1606	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	1610	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	1615	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	1626	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	1632	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	1645	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	1652	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	1735	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	1739	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	1837	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	1842	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	1926	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	1930	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168255BL	PB168255BL	1	1951	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168255BS	PB168255BS	1	1955	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	2012	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	2016	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-08	EB05312025	1	2020	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2169-03DUP	303-PPR-2DUP	1	2025	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2169-03L	303-PPR-2L	5	2029	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2169-03MS	303-PPR-2MS	1	2033	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2169-03MSD	303-PPR-2MSD	1	2037	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2169-03A	303-PPR-2A	1	2042	Ag,Cu,Sb,Zn
CCV06	CCV06	1	2058	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	2102	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	2141	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	2145	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	2206	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	2210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1401	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	1405	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	1409	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	1414	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	1418	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	1422	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	1437	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	1441	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	1445	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	1450	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	1454	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	1518	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	1530	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	1535	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	1628	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	1632	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	1736	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	1740	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	1828	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	1832	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1918	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1922	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2009	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	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168245BL	PB168245BL	1	2035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168245BS	PB168245BS	1	2039	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	2104	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	2108	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-02	B-187-SB01	1	2136	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04	B-187-SB02	1	2140	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04DUP	B-187-SB02DUP	1	2144	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04L	B-187-SB02L	5	2148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04MS	B-187-SB02MS	1	2152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04MSD	B-187-SB02MSD	1	2156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-04A	B-187-SB02A	1	2200	Ba,Na,Sb,Zn
CCV08	CCV08	1	2204	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	2208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2177-06	B-202-SB01	1	2213	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	2256	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	2301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB136097

Start date: 06/10/2025 **End date:** 06/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	0135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	0139	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	0221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	0225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			Mercury	7470A		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/03/25	06/04/25	

METAL PREPARATION & ANALYICAL SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168245**						
PB168245BL	PB168245BL	MB	SOLID	06/02/2025	2.00	100.0	100.00
PB168245BS	PB168245BS	LCS	SOLID	06/02/2025	2.00	100.0	100.00
Q2177-02	B-187-SB01	SAM	SOLID	06/02/2025	2.27	100.0	84.20
Q2177-04	B-187-SB02	SAM	SOLID	06/02/2025	2.12	100.0	62.80
Q2177-04DUP	B-187-SB02DUP	DUP	SOLID	06/02/2025	2.22	100.0	62.80
Q2177-04MS	B-187-SB02MS	MS	SOLID	06/02/2025	2.34	100.0	62.80
Q2177-04MSD	B-187-SB02MSD	MSD	SOLID	06/02/2025	2.18	100.0	62.80
Q2177-06	B-202-SB01	SAM	SOLID	06/02/2025	2.15	100.0	85.40

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168247**						
PB168247BL	PB168247BL	MB	WATER	06/02/2025	30.0	30.0	
PB168247BS	PB168247BS	LCS	WATER	06/02/2025	30.0	30.0	
Q2155-04DUP	444DUP	DUP	WATER	06/02/2025	30.0	30.0	
Q2155-04MS	444MS	MS	WATER	06/02/2025	30.0	30.0	
Q2155-04MSD	444MSD	MSD	WATER	06/02/2025	30.0	30.0	
Q2177-08	EB05312025	SAM	WATER	06/02/2025	30.0	30.0	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168249**						
PB168249BL	PB168249BL	MB	SOLID	06/02/2025	0.55	35.0	100.00
PB168249BS	PB168249BS	LCS	SOLID	06/02/2025	0.52	35.0	100.00
Q2176-08DUP	TP-65DUP	DUP	SOLID	06/02/2025	0.58	35.0	87.30
Q2176-08MS	TP-65MS	MS	SOLID	06/02/2025	0.54	35.0	87.30
Q2176-08MSD	TP-65MSD	MSD	SOLID	06/02/2025	0.56	35.0	87.30
Q2177-02	B-187-SB01	SAM	SOLID	06/02/2025	0.58	35.0	84.20
Q2177-04	B-187-SB02	SAM	SOLID	06/02/2025	0.60	35.0	62.80
Q2177-06	B-202-SB01	SAM	SOLID	06/02/2025	0.54	35.0	85.40

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168255**						
PB168255BL	PB168255BL	MB	WATER	06/03/2025	50.0	25.0	
PB168255BS	PB168255BS	LCS	WATER	06/03/2025	50.0	25.0	
Q2169-03DUP	303-PPR-2DUP	DUP	WATER	06/03/2025	50.0	25.0	
Q2169-03MS	303-PPR-2MS	MS	WATER	06/03/2025	50.0	25.0	
Q2169-03MSD	303-PPR-2MSD	MSD	WATER	06/03/2025	50.0	25.0	
Q2177-08	EB05312025	SAM	WATER	06/03/2025	50.0	25.0	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135986

Review By	MOHAN	Review On	6/3/2025 4:23:45 PM
Supervise By	jaswal	Supervise On	6/3/2025 4:39:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8550

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/03/25 10:09		MOHAN	OK
2	S0.2	S0.2	CAL2	06/03/25 10:12		MOHAN	OK
3	S2.5	S2.5	CAL3	06/03/25 10:14		MOHAN	OK
4	S5	S5	CAL4	06/03/25 10:16		MOHAN	OK
5	S7.5	S7.5	CAL5	06/03/25 10:19		MOHAN	OK
6	S10	S10	CAL6	06/03/25 10:27		MOHAN	OK
7	ICV24	ICV24	ICV	06/03/25 10:33		MOHAN	OK
8	ICB24	ICB24	ICB	06/03/25 10:35		MOHAN	OK
9	CCV86	CCV86	CCV	06/03/25 10:38		MOHAN	OK
10	CCB86	CCB86	CCB	06/03/25 10:40		MOHAN	OK
11	CRA	CRA	CRDL	06/03/25 10:50		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/03/25 10:52		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/03/25 10:54		MOHAN	OK
14	PB168247BL	PB168247BL	MB	06/03/25 10:59		MOHAN	OK
15	PB168247BS	PB168247BS	LCS	06/03/25 11:04		MOHAN	OK
16	Q2137-03	MOO-25-0149	SAM	06/03/25 11:06		MOHAN	OK
17	Q2155-03	447-WATER	SAM	06/03/25 11:08		MOHAN	OK
18	Q2155-04	444	SAM	06/03/25 11:11		MOHAN	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135986

Review By	MOHAN	Review On	6/3/2025 4:23:45 PM
Supervise By	jaswal	Supervise On	6/3/2025 4:39:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8550

19	Q2155-04DUP	444DUP	DUP	06/03/25 11:13		MOHAN	OK
20	Q2155-04MS	444MS	MS	06/03/25 11:20		MOHAN	OK
21	CCV87	CCV87	CCV	06/03/25 11:22		MOHAN	OK
22	CCB87	CCB87	CCB	06/03/25 11:25		MOHAN	OK
23	Q2155-04MSD	444MSD	MSD	06/03/25 11:27		MOHAN	OK
24	Q2155-05	445	SAM	06/03/25 11:29		MOHAN	OK
25	Q2157-02	289	SAM	06/03/25 11:32		MOHAN	OK
26	Q2165-03	TRE-25-63-64	SAM	06/03/25 11:34		MOHAN	OK
27	Q2165-06	TRE-25-65-66	SAM	06/03/25 11:36		MOHAN	OK
28	Q2169-01	303-PPR-1	SAM	06/03/25 11:38	Hg high	MOHAN	Dilution
29	Q2169-03	303-PPR-2	SAM	06/03/25 11:41		MOHAN	OK
30	Q2170-01	51925-AQ	SAM	06/03/25 11:43		MOHAN	OK
31	Q2175-06	EGR-LIQUID	SAM	06/03/25 11:46		MOHAN	OK
32	Q2177-08	EB05312025	SAM	06/03/25 11:48		MOHAN	OK
33	CCV88	CCV88	CCV	06/03/25 11:50		MOHAN	OK
34	CCB88	CCB88	CCB	06/03/25 11:53		MOHAN	OK
35	Q2155-04L	444L	SD	06/03/25 11:55		MOHAN	OK
36	Q2155-04A	444A	PS	06/03/25 11:57		MOHAN	OK
37	Q2169-01DL	303-PPR-1DL	SAM	06/03/25 11:59	10X for Hg	MOHAN	Confirms
38	CCV89	CCV89	CCV	06/03/25 12:02		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135986

Review By	MOHAN	Review On	6/3/2025 4:23:45 PM
Supervise By	jaswal	Supervise On	6/3/2025 4:39:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8550

39	CCB89	CCB89	CCB	06/03/25 12:04		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/03/25 12:29		MOHAN	OK
2	S0.2	S0.2	CAL2	06/03/25 12:31		MOHAN	OK
3	S2.5	S2.5	CAL3	06/03/25 12:33		MOHAN	OK
4	S5	S5	CAL4	06/03/25 12:36		MOHAN	OK
5	S7.5	S7.5	CAL5	06/03/25 12:38		MOHAN	OK
6	S10	S10	CAL6	06/03/25 12:40		MOHAN	OK
7	ICV25	ICV25	ICV	06/03/25 12:43		MOHAN	OK
8	ICB25	ICB25	ICB	06/03/25 12:46		MOHAN	OK
9	CCV90	CCV90	CCV	06/03/25 12:48		MOHAN	OK
10	CCB90	CCB90	CCB	06/03/25 12:50		MOHAN	OK
11	CRA	CRA	CRDL	06/03/25 12:52		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/03/25 12:55		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/03/25 12:57		MOHAN	OK
14	PB168248BL	PB168248BL	MB	06/03/25 12:59		MOHAN	OK
15	PB168248BS	PB168248BS	LCS	06/03/25 13:04		MOHAN	OK
16	Q2152-01	OK-02-05292025	SAM	06/03/25 13:07		MOHAN	OK
17	Q2153-01	TR-04-0592025	SAM	06/03/25 13:09		MOHAN	OK
18	Q2159-01	TP05-MHO-WC	SAM	06/03/25 13:11		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

19	Q2160-01	TP04-MHG-WC	SAM	06/03/25 13:13		MOHAN	OK
20	Q2160-01DUP	TP04-MHG-WCDUP	DUP	06/03/25 13:18		MOHAN	OK
21	CCV91	CCV91	CCV	06/03/25 13:20		MOHAN	OK
22	CCB91	CCB91	CCB	06/03/25 13:22		MOHAN	OK
23	Q2160-01MS	TP04-MHG-WCMS	MS	06/03/25 13:25		MOHAN	OK
24	Q2160-01MSD	TP04-MHG-WCMSD	MSD	06/03/25 13:27		MOHAN	OK
25	Q2160-05	TP05-MHH-WC	SAM	06/03/25 13:29		MOHAN	OK
26	Q2168-01	SAN-A1-A3	SAM	06/03/25 13:32		MOHAN	OK
27	Q2168-05	SAN-B1-B3	SAM	06/03/25 13:34		MOHAN	OK
28	Q2168-09	SAN-C1-C2	SAM	06/03/25 13:36	Hg High	MOHAN	Dilution
29	Q2172-01	TP06-MHQ	SAM	06/03/25 13:39		MOHAN	OK
30	Q2173-01	OR-400-CF-402B-CO	SAM	06/03/25 13:41		MOHAN	OK
31	Q2173-07	OR-400-CF-402B-CO	SAM	06/03/25 13:44		MOHAN	OK
32	Q2173-13	OR-400-CF-402B-CO	SAM	06/03/25 13:46		MOHAN	OK
33	CCV92	CCV92	CCV	06/03/25 13:48		MOHAN	OK
34	CCB92	CCB92	CCB	06/03/25 13:51		MOHAN	OK
35	PB168249BL	PB168249BL	MB	06/03/25 13:53		MOHAN	OK
36	PB168249BS	PB168249BS	LCS	06/03/25 13:55		MOHAN	OK
37	Q2175-02	52725	SAM	06/03/25 13:57	not present on log in page	MOHAN	Not Ok
38	Q2176-01	TP-46	SAM	06/03/25 14:00		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

39	Q2176-02	TP-56	SAM	06/03/25 14:02		MOHAN	OK
40	Q2176-03	TP-25	SAM	06/03/25 14:04		MOHAN	OK
41	Q2176-04	TP-26	SAM	06/03/25 14:07		MOHAN	OK
42	Q2176-05	TP-28	SAM	06/03/25 14:09		MOHAN	OK
43	Q2176-06	TP-27	SAM	06/03/25 14:11		MOHAN	OK
44	Q2176-07	TP-31	SAM	06/03/25 14:13		MOHAN	OK
45	CCV93	CCV93	CCV	06/03/25 14:16		MOHAN	OK
46	CCB93	CCB93	CCB	06/03/25 14:18		MOHAN	OK
47	Q2176-08	TP-65	SAM	06/03/25 14:25		MOHAN	OK
48	Q2176-08DUP	TP-65DUP	DUP	06/03/25 14:27		MOHAN	OK
49	Q2176-08MS	TP-65MS	MS	06/03/25 14:30		MOHAN	OK
50	Q2176-08MSD	TP-65MSD	MSD	06/03/25 14:32		MOHAN	OK
51	Q2177-02	B-187-SB01	SAM	06/03/25 14:34		MOHAN	OK
52	Q2177-04	B-187-SB02	SAM	06/03/25 14:37		MOHAN	OK
53	Q2177-06	B-202-SB01	SAM	06/03/25 14:39		MOHAN	OK
54	Q2185-01	TP02-MHB-WC	SAM	06/03/25 14:41		MOHAN	OK
55	Q2185-05	TP01-MHA-WC	SAM	06/03/25 14:44		MOHAN	OK
56	Q2168-09DL	SAN-C1-C2DL	SAM	06/03/25 14:46	5X For HG	MOHAN	Confirms
57	CCV94	CCV94	CCV	06/03/25 14:48		MOHAN	OK
58	CCB94	CCB94	CCB	06/03/25 14:51		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135987

Review By	MOHAN	Review On	6/4/2025 5:35:54 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85814,MP85815,MP85816,MP85817,MP85818,MP85819
ICV Standard	MP85820
CCV Standard	MP85822
ICSA Standard	
CRI Standard	MP85824
LCS Standard	
Chk Standard	MP85821,MP85823,MP85825,MP8596

59	Q2160-01L	TP04-MHG-WCL	SD	06/03/25 14:53		MOHAN	OK
60	Q2160-01A	TP04-MHG-WCA	PS	06/03/25 14:55		MOHAN	OK
61	Q2176-08L	TP-65L	SD	06/03/25 14:57		MOHAN	OK
62	Q2176-08A	TP-65A	PS	06/03/25 15:00		MOHAN	OK
63	CCV95	CCV95	CCV	06/03/25 15:02		MOHAN	OK
64	CCB95	CCB95	CCB	06/03/25 15:04		MOHAN	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/04/25 14:18		Jaswal	OK
2	S1	S1	CAL2	06/04/25 14:23		Jaswal	OK
3	S2	S2	CAL3	06/04/25 14:27		Jaswal	OK
4	S3	S3	CAL4	06/04/25 14:31		Jaswal	OK
5	S4	S4	CAL5	06/04/25 14:35		Jaswal	OK
6	S5	S5	CAL6	06/04/25 14:39		Jaswal	OK
7	ICV01	ICV01	ICV	06/04/25 15:49		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/04/25 16:06		Jaswal	OK
9	ICB01	ICB01	ICB	06/04/25 16:10		Jaswal	OK
10	CRI01	CRI01	CRDL	06/04/25 16:15		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/04/25 16:26		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/04/25 16:32		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/04/25 16:36		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/04/25 16:40		Jaswal	OK
15	CCV01	CCV01	CCV	06/04/25 16:45		Jaswal	OK
16	CCB01	CCB01	CCB	06/04/25 16:52		Jaswal	OK
17	Q2160-05	TP05-MHH-WC	SAM	06/04/25 16:57		Jaswal	OK
18	Q2159-04	TP05-MHO-WC	SAM	06/04/25 17:01		Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2178-01	RT2929	SAM	06/04/25 17:05		Jaswal	OK
20	Q2182-01	OR-03-06022025	SAM	06/04/25 17:10		Jaswal	OK
21	Q2172-04	TP06-MHQ	SAM	06/04/25 17:14		Jaswal	OK
22	Q2178-02	RT2929	SAM	06/04/25 17:18		Jaswal	OK
23	Q2185-01	TP02-MHB-WC	SAM	06/04/25 17:23		Jaswal	OK
24	Q2185-05	TP01-MHA-WC	SAM	06/04/25 17:27		Jaswal	OK
25	Q2178-01DUP	RT2929DUP	DUP	06/04/25 17:31		Jaswal	OK
26	CCV02	CCV02	CCV	06/04/25 17:35		Jaswal	OK
27	CCB02	CCB02	CCB	06/04/25 17:39		Jaswal	OK
28	Q2178-01L	RT2929L	SD	06/04/25 17:48		Jaswal	OK
29	Q2178-01MS	RT2929MS	MS	06/04/25 17:53		Jaswal	OK
30	Q2178-01MSD	RT2929MSD	MSD	06/04/25 17:57		Jaswal	OK
31	Q2178-01A	RT2929A	PS	06/04/25 18:01		Jaswal	OK
32	PB168224TB	PB168224TB	MB	06/04/25 18:05		Jaswal	OK
33	Q2168-02	SAN-A1-A3	SAM	06/04/25 18:10		Jaswal	OK
34	Q2168-06	SAN-B1-B3	SAM	06/04/25 18:14		Jaswal	OK
35	Q2168-10	SAN-C1-C2	SAM	06/04/25 18:19		Jaswal	OK
36	Q2177-03	B-187-SB01	SAM	06/04/25 18:23		Jaswal	OK
37	CCV03	CCV03	CCV	06/04/25 18:37		Jaswal	OK
38	CCB03	CCB03	CCB	06/04/25 18:42		Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

39	Q2177-05	B-187-SB02	SAM	06/04/25 18:47		Jaswal	OK
40	Q2177-07	B-202-SB01	SAM	06/04/25 18:51		Jaswal	OK
41	Q2185-04	TP02-MHB-WC	SAM	06/04/25 18:56		Jaswal	OK
42	Q2185-08	TP01-MHA-WC	SAM	06/04/25 19:00		Jaswal	OK
43	Q2185-08DUP	TP01-MHA-WC	DUP	06/04/25 19:04		Jaswal	OK
44	Q2185-08L	TP01-MHA-WC	SD	06/04/25 19:09		Jaswal	OK
45	Q2185-08MS	TP01-MHA-WCMS	MS	06/04/25 19:13		Jaswal	OK
46	Q2185-08MSD	TP01-MHA-WCMSD	MSD	06/04/25 19:17		Jaswal	OK
47	Q2185-08A	TP01-MHA-WC	PS	06/04/25 19:22		Jaswal	OK
48	CCV04	CCV04	CCV	06/04/25 19:26		Jaswal	OK
49	CCB04	CCB04	CCB	06/04/25 19:30		Jaswal	OK
50	PB168256BL	PB168256BL	MB	06/04/25 19:34		Jaswal	OK
51	PB168256BS	PB168256BS	LCS	06/04/25 19:39		Jaswal	OK
52	PB168261BL	PB168261BL	MB	06/04/25 19:43		Jaswal	OK
53	PB168261BS	PB168261BS	LCS	06/04/25 19:47		Jaswal	OK
54	PB168255BL	PB168255BL	MB	06/04/25 19:51		Jaswal	OK
55	PB168255BS	PB168255BS	LCS	06/04/25 19:55		Jaswal	OK
56	Q2169-01	303-PPR-1	SAM	06/04/25 19:59		Jaswal	OK
57	Q2169-03	303-PPR-2	SAM	06/04/25 20:03		Jaswal	OK
58	Q2175-06DL	EGR-LIQUIDDL	SAM	06/04/25 20:08	Straight 5x for all elements	Jaswal	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

59	CCV05	CCV05	CCV	06/04/25 20:12		Jaswal	OK
60	CCB05	CCB05	CCB	06/04/25 20:16		Jaswal	OK
61	Q2177-08	EB05312025	SAM	06/04/25 20:20		Jaswal	OK
62	Q2169-03DUP	303-PPR-2DUP	DUP	06/04/25 20:25		Jaswal	OK
63	Q2169-03L	303-PPR-2L	SD	06/04/25 20:29		Jaswal	OK
64	Q2169-03MS	303-PPR-2MS	MS	06/04/25 20:33		Jaswal	OK
65	Q2169-03MSD	303-PPR-2MSD	MSD	06/04/25 20:37		Jaswal	OK
66	Q2169-03A	303-PPR-2A	PS	06/04/25 20:42		Jaswal	OK
67	PB168276BL	PB168276BL	MB	06/04/25 20:46		Jaswal	OK
68	PB168276BS	PB168276BS	LCS	06/04/25 20:50		Jaswal	OK
69	Q2175-09DL	52725DL	SAM	06/04/25 20:54	Straight 5x for all elements	Jaswal	OK
70	CCV06	CCV06	CCV	06/04/25 20:58		Jaswal	OK
71	CCB06	CCB06	CCB	06/04/25 21:02		Jaswal	OK
72	Q2198-05DL	B-202-GW01DL	SAM	06/04/25 21:07	Straight 5x for all elements	Jaswal	OK
73	Q2198-05DUPDL	B-202-GW01DUPDL	DUP	06/04/25 21:11	Straight 5x for all elements	Jaswal	OK
74	Q2198-05LDL	B-202-GW01LDL	SD	06/04/25 21:15	Straight 25x for all elements	Jaswal	OK
75	Q2198-05MSDL	B-202-GW01MSDL	MS	06/04/25 21:20	Straight 5x for all elements	Jaswal	OK
76	Q2198-05MSDDL	B-202-GW01MSDDL	MSD	06/04/25 21:24	Straight 5x for all elements	Jaswal	OK
77	Q2198-05ADL	B-202-GW01ADL	PS	06/04/25 21:28	Straight 5x for all elements	Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

78	Q2172-01	TP06-MHQ	SAM	06/04/25 21:32	CCV fail for Fe,K,Na	Jaswal	Not Ok
79	Q2172-01DUP	TP06-MHQDUP	DUP	06/04/25 21:37	CCV fail for Fe,K,Na	Jaswal	Not Ok
80	CCV07	CCV07	CCV	06/04/25 21:41		Jaswal	OK
81	CCB07	CCB07	CCB	06/04/25 21:45		Jaswal	OK
82	Q2172-01L	TP06-MHQL	SD	06/04/25 21:49	CCV fail for Fe,K,Na	Jaswal	Not Ok
83	Q2172-01MS	TP06-MHQMS	MS	06/04/25 21:54	CCV fail for Fe,K,Na	Jaswal	Not Ok
84	Q2172-01MSD	TP06-MHQMSD	MSD	06/04/25 21:57	CCV fail for Fe,K,Na	Jaswal	Not Ok
85	Q2172-01A	TP06-MHQA	PS	06/04/25 22:01	CCV fail for Fe,K,Na	Jaswal	Not Ok
86	CCV08	CCV08	CCV	06/04/25 22:06	CCV fail for Fe,K,Na	Jaswal	OK
87	CCB08	CCB08	CCB	06/04/25 22:10		Jaswal	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/10/25 14:01		Jaswal	OK
2	S1	S1	CAL2	06/10/25 14:05		Jaswal	OK
3	S2	S2	CAL3	06/10/25 14:09		Jaswal	OK
4	S3	S3	CAL4	06/10/25 14:14		Jaswal	OK
5	S4	S4	CAL5	06/10/25 14:18		Jaswal	OK
6	S5	S5	CAL6	06/10/25 14:22		Jaswal	OK
7	ICV01	ICV01	ICV	06/10/25 14:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/10/25 14:41		Jaswal	OK
9	ICB01	ICB01	ICB	06/10/25 14:45		Jaswal	OK
10	CRI01	CRI01	CRDL	06/10/25 14:50		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/10/25 14:54		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/10/25 15:18		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/10/25 15:22		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/10/25 15:26		Jaswal	OK
15	CCV01	CCV01	CCV	06/10/25 15:30		Jaswal	OK
16	CCB01	CCB01	CCB	06/10/25 15:35		Jaswal	OK
17	Q2242-04	TP09-MHJ	SAM	06/10/25 15:39		Jaswal	OK
18	Q2242-04DUP	TP09-MHJDUP	DUP	06/10/25 15:43		Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2242-04L	TP09-MHJL	SD	06/10/25 15:48		Jaswal	OK
20	Q2242-04MS	TP09-MHJMS	MS	06/10/25 15:52		Jaswal	OK
21	Q2242-04MSD	TP09-MHJMSD	MSD	06/10/25 15:56		Jaswal	OK
22	Q2242-04A	TP09-MHJA	PS	06/10/25 16:00	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
23	Q2197-01	DSN002	SAM	06/10/25 16:05		Jaswal	OK
24	Q2197-03	DSN001	SAM	06/10/25 16:15		Jaswal	OK
25	Q2197-05	DSN003	SAM	06/10/25 16:19		Jaswal	OK
26	Q2210-01	TW1	SAM	06/10/25 16:23		Jaswal	OK
27	CCV02	CCV02	CCV	06/10/25 16:28		Jaswal	OK
28	CCB02	CCB02	CCB	06/10/25 16:32		Jaswal	OK
29	Q2243-01	WATER-TREATMENT	SAM	06/10/25 16:37		Jaswal	OK
30	Q2241-01	TP-N	SAM	06/10/25 16:41		Jaswal	OK
31	Q2241-05	TP-S	SAM	06/10/25 16:45		Jaswal	OK
32	Q2248-01	TR-05-060525	SAM	06/10/25 16:49		Jaswal	OK
33	Q2197-05DUP	DSN003DUP	DUP	06/10/25 16:53		Jaswal	OK
34	Q2197-05L	DSN003L	SD	06/10/25 16:58		Jaswal	OK
35	Q2197-05MS	DSN003MS	MS	06/10/25 17:02		Jaswal	OK
36	Q2197-05MSD	DSN003MSD	MSD	06/10/25 17:06		Jaswal	OK
37	Q2197-05A	DSN003A	PS	06/10/25 17:28	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

38	Q2137-05	MOO-25-0151	SAM	06/10/25 17:32		Jaswal	OK
39	CCV03	CCV03	CCV	06/10/25 17:36		Jaswal	OK
40	CCB03	CCB03	CCB	06/10/25 17:40		Jaswal	OK
41	Q2240-01	TP-3	SAM	06/10/25 17:45		Jaswal	OK
42	Q2240-05	TP-2	SAM	06/10/25 17:49		Jaswal	OK
43	Q2240-09	TP-1	SAM	06/10/25 17:53		Jaswal	OK
44	Q2244-01	TP03-MHC	SAM	06/10/25 17:58		Jaswal	OK
45	Q2242-01	TP09-MHJ	SAM	06/10/25 18:02		Jaswal	OK
46	Q2238-01DUP	0528DUP	DUP	06/10/25 18:06	RPD fail for more than 50% parameter	Jaswal	Not Ok
47	Q2238-01L	0528L	SD	06/10/25 18:11	RPD fail for more than 50% parameter	Jaswal	Not Ok
48	Q2238-01MS	0528MS	MS	06/10/25 18:15	RPD fail for more than 50% parameter	Jaswal	Not Ok
49	Q2238-01MSD	0528MSD	MSD	06/10/25 18:19	RPD fail for more than 50% parameter	Jaswal	Not Ok
50	Q2238-01A	0528A	PS	06/10/25 18:23	RPD fail for more than 50% parameter	Jaswal	Not Ok
51	CCV04	CCV04	CCV	06/10/25 18:28		Jaswal	OK
52	CCB04	CCB04	CCB	06/10/25 18:32		Jaswal	OK
53	PB168309BL	PB168309BL	MB	06/10/25 18:36		Jaswal	OK
54	PB168309BS	PB168309BS	LCS	06/10/25 18:40		Jaswal	OK
55	PB168284BL	PB168284BL	MB	06/10/25 18:44	NOT USE	Jaswal	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

56	PB168284BS	PB168284BS	LCS	06/10/25 18:49	NOT USE	Jaswal	Not Ok
57	PB168310BL	PB168310BL	MB	06/10/25 18:53		Jaswal	OK
58	PB168310BS	PB168310BS	LCS	06/10/25 18:57		Jaswal	OK
59	Q2246-01	BU-03-060525	SAM	06/10/25 19:01		Jaswal	OK
60	Q2259-03	OU4-PCS-TC-37-060	SAM	06/10/25 19:05		Jaswal	OK
61	Q2259-05	OU4-TS-29-060525	SAM	06/10/25 19:10		Jaswal	OK
62	Q2259-06	OU4-TS-30-060525	SAM	06/10/25 19:14		Jaswal	OK
63	CCV05	CCV05	CCV	06/10/25 19:18		Jaswal	OK
64	CCB05	CCB05	CCB	06/10/25 19:22		Jaswal	OK
65	Q2265-01	TP11-MHL-WC	SAM	06/10/25 19:27		Jaswal	OK
66	Q2266-01	WC-3	SAM	06/10/25 19:31		Jaswal	OK
67	Q2266-05	WC-5	SAM	06/10/25 19:35		Jaswal	OK
68	Q2260-01	TP10-MHG-WC	SAM	06/10/25 19:39		Jaswal	OK
69	Q2260-01DUP	TP10-MHG-WCDUP	DUP	06/10/25 19:44		Jaswal	OK
70	Q2260-01L	TP10-MHG-WCL	SD	06/10/25 19:48		Jaswal	OK
71	Q2260-01MS	TP10-MHG-WCMS	MS	06/10/25 19:52		Jaswal	OK
72	Q2260-01MSD	TP10-MHG-WCMSD	MSD	06/10/25 19:57		Jaswal	OK
73	Q2260-01A	TP10-MHG-WCA	PS	06/10/25 20:01	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
74	PB168353BL	PB168353BL	MB	06/10/25 20:05		Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

75	CCV06	CCV06	CCV	06/10/25 20:09		Jaswal	OK
76	CCB06	CCB06	CCB	06/10/25 20:14		Jaswal	OK
77	PB168353BS	PB168353BS	LCS	06/10/25 20:22		Jaswal	OK
78	Q2259-01	OU4-PCS-TC-36-060	SAM	06/10/25 20:26		Jaswal	OK
79	Q2238-01	0528	SAM	06/10/25 20:30	RPD fail for more than 50% parameter	Jaswal	Not Ok
80	PB168245BL	PB168245BL	MB	06/10/25 20:35		Jaswal	OK
81	PB168245BS	PB168245BS	LCS	06/10/25 20:39		Jaswal	OK
82	Q2176-01	TP-46	SAM	06/10/25 20:43		Jaswal	OK
83	Q2176-02	TP-56	SAM	06/10/25 20:47		Jaswal	OK
84	Q2176-03	TP-25	SAM	06/10/25 20:51		Jaswal	OK
85	Q2176-04	TP-26	SAM	06/10/25 20:55		Jaswal	OK
86	Q2176-05	TP-28	SAM	06/10/25 21:00		Jaswal	OK
87	CCV07	CCV07	CCV	06/10/25 21:04		Jaswal	OK
88	CCB07	CCB07	CCB	06/10/25 21:08		Jaswal	OK
89	Q2176-06	TP-27	SAM	06/10/25 21:12		Jaswal	OK
90	Q2176-07	TP-31	SAM	06/10/25 21:16		Jaswal	OK
91	Q2176-08	TP-65	SAM	06/10/25 21:32		Jaswal	OK
92	Q2177-02	B-187-SB01	SAM	06/10/25 21:36		Jaswal	OK
93	Q2177-04	B-187-SB02	SAM	06/10/25 21:40		Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

94	Q2177-04DUP	B-187-SB02DUP	DUP	06/10/25 21:44		Jaswal	OK
95	Q2177-04L	B-187-SB02L	SD	06/10/25 21:48		Jaswal	OK
96	Q2177-04MS	B-187-SB02MS	MS	06/10/25 21:52		Jaswal	OK
97	Q2177-04MSD	B-187-SB02MSD	MSD	06/10/25 21:56		Jaswal	OK
98	Q2177-04A	B-187-SB02A	PS	06/10/25 22:00	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
99	CCV08	CCV08	CCV	06/10/25 22:04		Jaswal	OK
100	CCB08	CCB08	CCB	06/10/25 22:08		Jaswal	OK
101	Q2177-06	B-202-SB01	SAM	06/10/25 22:13		Jaswal	OK
102	PB168359BL	PB168359BL	MB	06/10/25 22:17		Jaswal	OK
103	PB168359BS	PB168359BS	LCS	06/10/25 22:21		Jaswal	OK
104	Q2244-04	TP03-MHC	SAM	06/10/25 22:25		Jaswal	OK
105	Q2260-04	TP10-MHG-WC	SAM	06/10/25 22:30		Jaswal	OK
106	Q2262-02	ARS20-0032	SAM	06/10/25 22:34		Jaswal	OK
107	Q2262-04	ARS20-0001	SAM	06/10/25 22:39		Jaswal	OK
108	Q2265-04	TP11-MHL-WC	SAM	06/10/25 22:43		Jaswal	OK
109	Q2266-04	WC-3	SAM	06/10/25 22:48		Jaswal	OK
110	Q2266-08	WC-5	SAM	06/10/25 22:52		Jaswal	OK
111	CCV09	CCV09	CCV	06/10/25 22:56		Jaswal	OK
112	CCB09	CCB09	CCB	06/10/25 23:01		Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

113	Q2266-08DUP	WC-5DUP	DUP	06/10/25 23:05		Jaswal	OK
114	Q2266-08L	WC-5L	SD	06/10/25 23:09		Jaswal	OK
115	Q2266-08MS	WC-5MS	MS	06/10/25 23:14		Jaswal	OK
116	Q2266-08MSD	WC-5MSD	MSD	06/10/25 23:18		Jaswal	OK
117	Q2266-08A	WC-5A	PS	06/10/25 23:32	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
118	PB168333TB	PB168333TB	MB	06/10/25 23:36		Jaswal	OK
119	PB168384BL	PB168384BL	MB	06/10/25 23:41		Jaswal	OK
120	PB168384BS	PB168384BS	LCS	06/10/25 23:45		Jaswal	OK
121	Q2253-01	RW8-SP100-2025060	SAM	06/10/25 23:49		Jaswal	OK
122	Q2253-02	RW8-SP303-2025060	SAM	06/10/25 23:53		Jaswal	OK
123	CCV10	CCV10	CCV	06/10/25 23:57		Jaswal	OK
124	CCB10	CCB10	CCB	06/11/25 00:02		Jaswal	OK
125	Q2253-02DUP	RW8-SP303-2025060	DUP	06/11/25 00:06		Jaswal	OK
126	Q2253-02L	RW8-SP303-2025060	SD	06/11/25 00:10		Jaswal	OK
127	Q2253-02MS	RW8-SP303-2025060	MS	06/11/25 00:15		Jaswal	OK
128	Q2253-02MSD	RW8-SP303-2025060	MSD	06/11/25 00:19		Jaswal	OK
129	Q2253-02A	RW8-SP303-2025060	PS	06/11/25 01:01	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
130	PB168385BL	PB168385BL	MB	06/11/25 01:05		Jaswal	OK
131	PB168385BS	PB168385BS	LCS	06/11/25 01:09		Jaswal	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 # LB136097

Review By	Janvi	Review On	6/11/2025 10:49:51 AM
Supervise By	jaswal	Supervise On	6/11/2025 2:45:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

132	Q2271-01	TP12-MHK-WC	SAM	06/11/25 01:13		Jaswal	OK
133	Q2272-01	TP-6	SAM	06/11/25 01:17		Jaswal	OK
134	Q2273-01	WC-4	SAM	06/11/25 01:21		Jaswal	OK
135	CCV11	CCV11	CCV	06/11/25 01:35		Jaswal	OK
136	CCB11	CCB11	CCB	06/11/25 01:39		Jaswal	OK
137	Q2273-05	WC-6	SAM	06/11/25 01:44		Jaswal	OK
138	Q2274-01	TP-13-MHP-WC	SAM	06/11/25 01:48		Jaswal	OK
139	Q2274-01DUP	TP-13-MHP-WCDUP	DUP	06/11/25 01:52		Jaswal	OK
140	Q2274-01L	TP-13-MHP-WCL	SD	06/11/25 01:56		Jaswal	OK
141	Q2274-01MS	TP-13-MHP-WCMS	MS	06/11/25 02:01		Jaswal	OK
142	Q2274-01MSD	TP-13-MHP-WCMSD	MSD	06/11/25 02:05		Jaswal	OK
143	Q2274-01A	TP-13-MHP-WCA	PS	06/11/25 02:09	0.1ML EACH M6004, M6013-10ML SAMPLE	Jaswal	OK
144	CCV12	CCV12	CCV	06/11/25 02:21		Jaswal	OK
145	CCB12	CCB12	CCB	06/11/25 02:25		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168245

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 #3 2. N/A

Start Digest Date: 06/02/2025 **Time :** 13:05 **Temp :** 96 °C

End Digest Date: 06/02/2025 **Time :** 15:15 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SLG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6016
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	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#3 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/2/25 16:15	SLG. met dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168245

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168245BL	PBS245	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168245BS	LCS245	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6016	2
Q2175-02	52725	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	3
Q2176-01	TP-46	N/A	2.46	100	Brown	Yellow	Medium	N/A	N/A	4
Q2176-02	TP-56	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	5
Q2176-03	TP-25	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	6
Q2176-04	TP-26	N/A	2.48	100	Brown	Yellow	Medium	N/A	N/A	7
Q2176-05	TP-28	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	8
Q2176-06	TP-27	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	9
Q2176-07	TP-31	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	10
Q2176-08	TP-65	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	11
Q2177-02	B-187-SB01	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	12
Q2177-04	B-187-SB02	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	13
Q2177-04MS	B-187-SB02MS	N/A	2.34	100	Brown	Yellow	Medium	N/A	M6007,M6016	15
Q2177-04MSD	B-187-SB02MSD	N/A	2.18	100	Brown	Yellow	Medium	N/A	M6007,M6016	16
Q2177-04DUP	B-187-SB02DUP	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	14
Q2177-06	B-202-SB01	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	17

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168247

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/02/2025 **Time :** 14:40 **Temp :** 94 °C

End Digest Date: 06/02/2025 **Time :** 16:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85820
CCV	30mL	MP85822
Blank Spike	30mL	MP85824
Blank Spike	0.48mL	MP85813
Matrix Spike	0.48mL	MP85813

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85240
KMnO4 (5%)	4.5mL	MP85241
K2S2O8 (5%)	2.4mL	MP85242
Hydroxylamine HCL (12%)	1.8mL	MP85243
N/A	N/A	N/A
N/A	N/A	N/A
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	MP85814
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85815
2.5 ppb	S2.5	30mL	MP85816
5.0 ppb	S5.0	30mL	MP85817
7.5 ppb	S7.5	30mL	MP85818
10.0 ppb	S10.0	30mL	MP85819
ICV	ICV	30mL	MP85820
ICB	ICB	30mL	MP85821
CCV	CCV	30mL	MP85822
CCB	CCB	30mL	MP85823
CRI	CRI	30mL	MP85824
CHK STD	CHK STD	30mL	MP85825

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/2/25 @ 17:10	MB - HG Lab	MB - Metals Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168247

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168247BL	PBW247	30	30	<2	N/A	3-1
PB168247BS	LCS247	30	30	<2	MP85813	2
Q2137-03	MOO-25-0149	30	30	<2	N/A	3
Q2155-03	447-WATER	30	30	<2	N/A	4
Q2155-04	444	30	30	<2	N/A	5
Q2155-04DUP	444DUP	30	30	<2	N/A	6
Q2155-04MS	444MS	30	30	<2	MP85813	7
Q2155-04MSD	444MSD	30	30	<2	MP85813	8
Q2155-05	445	30	30	<2	N/A	9
Q2157-02	289	30	30	<2	N/A	10
Q2165-03	TRE-25-63-64	30	30	<2	N/A	11
Q2165-06	TRE-25-65-66	30	30	<2	N/A	12
Q2169-01	303-PPR-1	30	30	<2	N/A	13
Q2169-03	303-PPR-2	30	30	<2	N/A	14
Q2170-01	51925-AQ	30	30	<2	N/A	15
Q2175-06	EGR-LIQUID	30	30	<2	N/A	16
Q2177-08	EB05312025	30	30	<2	N/A	17

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168249

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: 06/02/2025 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 06/02/2025 **Time :** 09:05 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85820
CCV	30mL	MP85822
CRA	30mL	MP85824
Blank Spike	0.48mL	MP85813
Matrix Spike	0.48mL	MP85813

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85826
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
PTFE Boiling Stones	----------	M5582
N/A	N/A	N/A
N/A	N/A	N/A
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	MP85814
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85815
2.5 ppb	S2.5	30mL	MP85816
5.0 ppb	S5.0	30mL	MP85817
7.5 ppb	S7.5	30mL	MP85818
10.0 ppb	S10.0	30mL	MP85819
ICV	ICV	30mL	MP85820
ICB	ICB	30mL	MP85821
CCV	CCV	30mL	MP85822
CCB	CCB	30mL	MP85823
CRI	CRI	30mL	MP85824
CHK STD	CHK STD	30mL	MP85825

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/2/25 9:30	[signature]	[signature]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168249

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168249BL	PBS249	0.55	35	NA	N/A	N/A
PB168249BS	LCS249	0.52	35	NA	MP85813	N/A
Q2175-02	52725	0.58	35	NA	N/A	N/A
Q2176-01	TP-46	0.59	35	NA	N/A	N/A
Q2176-02	TP-56	0.52	35	NA	N/A	N/A
Q2176-03	TP-25	0.54	35	NA	N/A	N/A
Q2176-04	TP-26	0.54	35	NA	N/A	N/A
Q2176-05	TP-28	0.55	35	NA	N/A	N/A
Q2176-06	TP-27	0.54	35	NA	N/A	N/A
Q2176-07	TP-31	0.52	35	NA	N/A	N/A
Q2176-08	TP-65	0.56	35	NA	N/A	N/A
Q2176-08DUP	TP-65DUP	0.58	35	NA	N/A	N/A
Q2176-08MS	TP-65MS	0.54	35	NA	MP85813	N/A
Q2176-08MSD	TP-65MSD	0.56	35	NA	MP85813	N/A
Q2177-02	B-187-SB01	0.58	35	NA	N/A	N/A
Q2177-04	B-187-SB02	0.60	35	NA	N/A	N/A
Q2177-06	B-202-SB01	0.54	35	NA	N/A	N/A
Q2185-01	TP02-MHB-WC	0.52	35	NA	N/A	N/A
Q2185-05	TP01-MHB-WC	0.50	35	NA	N/A	N/A

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168255

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: 06/03/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 06/03/2025 **Time :** 13:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SPS

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 14:10	SPS. met dig	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168255

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168255BL	PBW255	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	24
PB168255BS	LCS255	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6016	25
Q2169-01	303-PPR-1	<2	5	50	Brown	ligh Btrown	Cloudy	Clear	N/A	26
Q2169-03	303-PPR-2	<2	50	25	light Brown	light Brown	Cloudy	Clear	N/A	27
Q2169-03MS	303-PPR-2MS	<2	50	25	light Brown	ligh Btrown	Cloudy	Clear	M6007,M6016	29
Q2169-03MSD	303-PPR-2MSD	<2	50	25	light Brown	ligh Btrown	Cloudy	Clear	M6007,M6016	30
Q2169-03DUP	303-PPR-2DUP	<2	50	25	light Brown	ligh Btrown	Cloudy	Clear	N/A	28
Q2175-06	EGR-LIQUID	<2	2	25	Green	Colorless	Cloudy	Clear	N/A	31
Q2177-08	EB05312025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	32

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.: Q2177 **Order ID:** Q2177

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-187-SB01								
Q2177-03	B-187-SB01	TCLP	Barium	985		72.8	500	ug/L
Q2177-03	B-187-SB01	TCLP	Chromium	17.7	J	10.6	50.0	ug/L
Q2177-03	B-187-SB01	TCLP	Lead	581		11.5	60.0	ug/L
Client ID : B-187-SB02								
Q2177-05	B-187-SB02	TCLP	Barium	1000		72.8	500	ug/L
Q2177-05	B-187-SB02	TCLP	Lead	29.5	J	11.5	60.0	ug/L
Client ID : B-202-SB01								
Q2177-07	B-202-SB01	TCLP	Barium	804		72.8	500	ug/L
Q2177-07	B-202-SB01	TCLP	Lead	201		11.5	60.0	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	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	25.6	U	1	25.6	100	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7440-39-3	Barium	985	N*	1	72.8	500	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7440-47-3	Chromium	17.7	J	1	10.6	50.0	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7439-92-1	Lead	581		1	11.5	60.0	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/03/25 13:30	06/04/25 11:18	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/03/25 12:30	06/04/25 18:23	6010D	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	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	25.6	U	1	25.6	100	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7440-39-3	Barium	1000	N*	1	72.8	500	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7439-92-1	Lead	29.5	J	1	11.5	60.0	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/03/25 13:30	06/04/25 11:20	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/03/25 12:30	06/04/25 18:47	6010D	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

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	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	25.6	U	1	25.6	100	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7440-39-3	Barium	804	N*	1	72.8	500	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7439-92-1	Lead	201		1	11.5	60.0	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/03/25 13:30	06/04/25 11:22	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/03/25 12:30	06/04/25 18:51	6010D	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB26	Mercury	0.076	+/-0.2	U	0.20	CV	06/04/2025	10:30	LB135995

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB95	Mercury	0.076	+/-0.2	U	0.20	CV	06/04/2025	10:34	LB135995
CCB96	Mercury	0.076	+/-0.2	U	0.20	CV	06/04/2025	11:04	LB135995
CCB97	Mercury	0.076	+/-0.2	U	0.20	CV	06/04/2025	11:31	LB135995
CCB98	Mercury	0.076	+/-0.2	U	0.20	CV	06/04/2025	11:55	LB135995

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	16:10	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	16:10	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	16:10	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	16:10	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	16:10	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	16:10	LB136011

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	16:52	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	16:52	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	16:52	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	16:52	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	16:52	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	16:52	LB136011
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	17:39	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	17:39	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	17:39	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	17:39	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	17:39	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	17:39	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	17:39	LB136011
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	18:42	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	18:42	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	18:42	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	18:42	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	18:42	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	18:42	LB136011
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	19:30	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	19:30	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	19:30	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	19:30	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	19:30	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	19:30	LB136011
CCB05	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	20:16	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	20:16	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	20:16	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	20:16	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	20:16	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	20:16	LB136011
CCB06	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	21:02	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	21:02	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	21:02	LB136011

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	06/04/2025	21:02	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	21:02	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	21:02	LB136011
CCB07	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	21:45	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	21:45	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	21:45	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	21:45	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	21:45	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	21:45	LB136011
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Barium	14.6	+/-50	U	100	P	06/04/2025	22:10	LB136011
	Cadmium	0.50	+/-3	U	6.00	P	06/04/2025	22:10	LB136011
	Chromium	2.12	+/-5	U	10.0	P	06/04/2025	22:10	LB136011
	Lead	2.30	+/-6	U	12.0	P	06/04/2025	22:10	LB136011
	Selenium	9.64	+/-10	U	20.0	P	06/04/2025	22:10	LB136011
	Silver	1.62	+/-5	U	10.0	P	06/04/2025	22:10	LB136011

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168224TB		**WATER**		**Batch Number:**	**PB168262**		**Prep Date:**	**06/03/2025**	
	Mercury	0.76	<2	U	2.00	CV	06/04/2025	11:43	LB135995

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168262BL		**WATER**		**Batch Number:**	**PB168262**		**Prep Date:**	**06/03/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	06/04/2025	10:43	LB135995

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168224TB		**WATER**		**Batch Number:**	**PB168256**		**Prep Date:**	**06/03/2025**	
	Arsenic	25.6	<50	U	100	P	06/04/2025	18:05	LB136011
	Barium	72.8	<250	U	500	P	06/04/2025	18:05	LB136011
	Cadmium	2.50	<15	U	30.0	P	06/04/2025	18:05	LB136011
	Chromium	10.6	<25	U	50.0	P	06/04/2025	18:05	LB136011
	Lead	11.5	<30	U	60.0	P	06/04/2025	18:05	LB136011
	Selenium	48.2	<50	U	100	P	06/04/2025	18:05	LB136011
	Silver	8.10	<25	U	50.0	P	06/04/2025	18:05	LB136011

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168256BL		**WATER**		**Batch Number:**	**PB168256**		**Prep Date:**	**06/03/2025**	
	Arsenic	25.6	<50	U	100	P	06/04/2025	19:34	LB136011
	Barium	72.8	<250	U	500	P	06/04/2025	19:34	LB136011
	Cadmium	2.50	<15	U	30.0	P	06/04/2025	19:34	LB136011
	Chromium	10.6	<25	U	50.0	P	06/04/2025	19:34	LB136011
	Lead	11.5	<30	U	60.0	P	06/04/2025	19:34	LB136011
	Selenium	48.2	<50	U	100	P	06/04/2025	19:34	LB136011
	Silver	8.10	<25	U	50.0	P	06/04/2025	19:34	LB136011

METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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
ICV26	Mercury	3.93	4.0	98	90 - 110	CV	06/04/2025	10:25	LB135995

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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
CCV95	Mercury	4.86	5.0	97	90 - 110	CV	06/04/2025	10:32	LB135995
CCV96	Mercury	4.82	5.0	96	90 - 110	CV	06/04/2025	11:02	LB135995
CCV97	Mercury	4.75	5.0	95	90 - 110	CV	06/04/2025	11:29	LB135995
CCV98	Mercury	4.66	5.0	93	90 - 110	CV	06/04/2025	11:53	LB135995

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	1000	1000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Barium	552	520	106	90 - 110	P	06/04/2025	15:49	LB136011
	Cadmium	500	510	98	90 - 110	P	06/04/2025	15:49	LB136011
	Chromium	518	520	100	90 - 110	P	06/04/2025	15:49	LB136011
	Lead	976	1000	98	90 - 110	P	06/04/2025	15:49	LB136011
	Selenium	1000	1000	100	90 - 110	P	06/04/2025	15:49	LB136011
	Silver	234	250	94	90 - 110	P	06/04/2025	15:49	LB136011

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.1	20.0	90	80 - 120	P	06/04/2025	16:06	LB136011
	Barium	88.2	100	88	80 - 120	P	06/04/2025	16:06	LB136011
	Cadmium	5.84	6.0	97	80 - 120	P	06/04/2025	16:06	LB136011
	Chromium	10.2	10.0	102	80 - 120	P	06/04/2025	16:06	LB136011
	Lead	11.3	12.0	94	80 - 120	P	06/04/2025	16:06	LB136011
	Selenium	23.1	20.0	115	80 - 120	P	06/04/2025	16:06	LB136011
	Silver	9.80	10.0	98	80 - 120	P	06/04/2025	16:06	LB136011

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	5030	5000	101	90 - 110	P	06/04/2025	16:45	LB136011
	Barium	9780	10000	98	90 - 110	P	06/04/2025	16:45	LB136011
	Cadmium	2510	2500	100	90 - 110	P	06/04/2025	16:45	LB136011
	Chromium	993	1000	99	90 - 110	P	06/04/2025	16:45	LB136011
	Lead	5010	5000	100	90 - 110	P	06/04/2025	16:45	LB136011
	Selenium	5070	5000	101	90 - 110	P	06/04/2025	16:45	LB136011
	Silver	1230	1250	99	90 - 110	P	06/04/2025	16:45	LB136011
CCV02	Arsenic	4960	5000	99	90 - 110	P	06/04/2025	17:35	LB136011
	Barium	9200	10000	92	90 - 110	P	06/04/2025	17:35	LB136011
	Cadmium	2460	2500	98	90 - 110	P	06/04/2025	17:35	LB136011
	Chromium	985	1000	98	90 - 110	P	06/04/2025	17:35	LB136011
	Lead	4910	5000	98	90 - 110	P	06/04/2025	17:35	LB136011
	Selenium	5060	5000	101	90 - 110	P	06/04/2025	17:35	LB136011
	Silver	1230	1250	98	90 - 110	P	06/04/2025	17:35	LB136011
CCV03	Arsenic	4790	5000	96	90 - 110	P	06/04/2025	18:37	LB136011
	Barium	9130	10000	91	90 - 110	P	06/04/2025	18:37	LB136011
	Cadmium	2390	2500	95	90 - 110	P	06/04/2025	18:37	LB136011
	Chromium	953	1000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Lead	4750	5000	95	90 - 110	P	06/04/2025	18:37	LB136011
	Selenium	4850	5000	97	90 - 110	P	06/04/2025	18:37	LB136011
	Silver	1190	1250	96	90 - 110	P	06/04/2025	18:37	LB136011
CCV04	Arsenic	4700	5000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Barium	9070	10000	91	90 - 110	P	06/04/2025	19:26	LB136011
	Cadmium	2360	2500	94	90 - 110	P	06/04/2025	19:26	LB136011
	Chromium	944	1000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Lead	4700	5000	94	90 - 110	P	06/04/2025	19:26	LB136011
	Selenium	4750	5000	95	90 - 110	P	06/04/2025	19:26	LB136011
	Silver	1170	1250	94	90 - 110	P	06/04/2025	19:26	LB136011
CCV05	Arsenic	4700	5000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Barium	9550	10000	96	90 - 110	P	06/04/2025	20:12	LB136011
	Cadmium	2350	2500	94	90 - 110	P	06/04/2025	20:12	LB136011
	Chromium	942	1000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Lead	4720	5000	94	90 - 110	P	06/04/2025	20:12	LB136011
	Selenium	4730	5000	94	90 - 110	P	06/04/2025	20:12	LB136011

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	95	90 - 110	P	06/04/2025	20:12	LB136011
CCV06	Arsenic	4620	5000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Barium	9410	10000	94	90 - 110	P	06/04/2025	20:58	LB136011
	Cadmium	2320	2500	93	90 - 110	P	06/04/2025	20:58	LB136011
	Chromium	930	1000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Lead	4650	5000	93	90 - 110	P	06/04/2025	20:58	LB136011
	Selenium	4630	5000	92	90 - 110	P	06/04/2025	20:58	LB136011
	Silver	1160	1250	93	90 - 110	P	06/04/2025	20:58	LB136011
CCV07	Arsenic	4710	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Barium	9600	10000	96	90 - 110	P	06/04/2025	21:41	LB136011
	Cadmium	2370	2500	95	90 - 110	P	06/04/2025	21:41	LB136011
	Chromium	945	1000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Lead	4730	5000	95	90 - 110	P	06/04/2025	21:41	LB136011
	Selenium	4690	5000	94	90 - 110	P	06/04/2025	21:41	LB136011
	Silver	1190	1250	95	90 - 110	P	06/04/2025	21:41	LB136011
CCV08	Arsenic	4620	5000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Barium	9210	10000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Cadmium	2330	2500	93	90 - 110	P	06/04/2025	22:06	LB136011
	Chromium	937	1000	94	90 - 110	P	06/04/2025	22:06	LB136011
	Lead	4670	5000	93	90 - 110	P	06/04/2025	22:06	LB136011
	Selenium	4580	5000	92	90 - 110	P	06/04/2025	22:06	LB136011
	Silver	1170	1250	94	90 - 110	P	06/04/2025	22:06	LB136011

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	111	70 - 130	CV	06/04/2025	10:36	LB135995
CRI01	Arsenic	18.7	20.0	93	65 - 135	P	06/04/2025	16:15	LB136011
	Barium	86.6	100	87	65 - 135	P	06/04/2025	16:15	LB136011
	Cadmium	5.99	6.0	100	65 - 135	P	06/04/2025	16:15	LB136011
	Chromium	10.8	10.0	108	65 - 135	P	06/04/2025	16:15	LB136011
	Lead	11.2	12.0	93	65 - 135	P	06/04/2025	16:15	LB136011
	Selenium	20.9	20.0	105	65 - 135	P	06/04/2025	16:15	LB136011
	Silver	10.0	10.0	100	65 - 135	P	06/04/2025	16:15	LB136011

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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	1.52			-20	20	06/04/2025	16:26	LB136011
	Barium	0.52	6.0	9	-94	106	06/04/2025	16:26	LB136011
	Cadmium	0.92	1.0	92	-5	7	06/04/2025	16:26	LB136011
	Chromium	46.0	52.0	88	42	62	06/04/2025	16:26	LB136011
	Lead	-0.74			-12	12	06/04/2025	16:26	LB136011
	Selenium	1.80			-20	20	06/04/2025	16:26	LB136011
	Silver	4.01			-10	10	06/04/2025	16:26	LB136011
ICSAB01	Arsenic	106	104	102	88.4	120	06/04/2025	16:32	LB136011
	Barium	469	537	87	437	637	06/04/2025	16:32	LB136011
	Cadmium	1000	972	103	826	1120	06/04/2025	16:32	LB136011
	Chromium	556	542	103	460	624	06/04/2025	16:32	LB136011
	Lead	47.6	49.0	97	37	61	06/04/2025	16:32	LB136011
	Selenium	56.4	46.0	123	26	66	06/04/2025	16:32	LB136011
	Silver	219	201	109	170	232	06/04/2025	16:32	LB136011

METAL QC DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2185-08 **client id:** TP01-MHA-WCMS

Percent Solids for Sample: NA **Spiked ID:** Q2185-08MS **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	3810		100	U	4000	95		P
Barium	ug/L	75 - 125	3220		2770		1000	45	N	P
Cadmium	ug/L	75 - 125	955		30.0	U	1000	96		P
Chromium	ug/L	75 - 125	1930		50.0	U	2000	96		P
Lead	ug/L	75 - 125	4550		25.1	J	5000	90		P
Mercury	ug/L	75 - 125	41.3		2.00	U	40.0	103		CV
Selenium	ug/L	75 - 125	9550		100	U	10000	96		P
Silver	ug/L	75 - 125	349		50.0	U	380	92		P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2177

contract: PORT06 **lab code:** CHEM **case no.:** Q2177 **sas no.:** Q2177

matrix: Water **sample id:** Q2185-08 **client id:** TP01-MHA-WCMSD

Percent Solids for Sample: NA **Spiked ID:** Q2185-08MSD **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	3530		100	U	4000	88		P
Barium	ug/L	75 - 125	3000		2770		1000	24	N	P
Cadmium	ug/L	75 - 125	887		30.0	U	1000	89		P
Chromium	ug/L	75 - 125	1800		50.0	U	2000	90		P
Lead	ug/L	75 - 125	4250		25.1	J	5000	85		P
Mercury	ug/L	75 - 125	40.0		2.00	U	40.0	100		CV
Selenium	ug/L	75 - 125	8820		100	U	10000	88		P
Silver	ug/L	75 - 125	323		50.0	U	380	85		P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Level:** LOW **Client ID:** TP01-MHB-WCA

Sample ID: Q2185-08 **Spiked ID:** Q2185-08A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	3090		2770		1000	32	N	P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2185-08 **Client ID:** TP01-MHB-WCDUP

Percent Solids for Sample: NA **Duplicate ID** Q2185-08DUP **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	2770		1890		38	*	P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	25.1	J	60.0	U	200.0		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"

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Matrix: Water **Sample ID:** Q2185-08MS **Client ID:** TP01-MHA-WCMSD

Percent Solids for Sample: NA **Duplicate ID** Q2185-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3810		3530		8		P
Barium	ug/L	20	3220		3000		7		P
Cadmium	ug/L	20	955		887		7		P
Chromium	ug/L	20	1930		1800		7		P
Lead	ug/L	20	4550		4250		7		P
Mercury	ug/L	20	41.3		40.0		3		CV
Selenium	ug/L	20	9550		8820		8		P
Silver	ug/L	20	349		323		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168256BS							
Arsenic	ug/L	4000	3770		94	80 - 120	P
Barium	ug/L	1000	882		88	80 - 120	P
Cadmium	ug/L	1000	949		95	80 - 120	P
Chromium	ug/L	2000	1910		96	80 - 120	P
Lead	ug/L	5000	4640		93	80 - 120	P
Selenium	ug/L	10000	9700		97	80 - 120	P
Silver	ug/L	380	342		90	80 - 120	P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168262BS							
Mercury	ug/L	4.0	3.58		90	80 - 120	CV

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TP01-MHB-WCL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb136011 **Lab Sample ID :** Q2185-08L **SDG No.:** Q2177

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	2770		2750		0		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	25.1	J	300	U	100.0		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB135995

Start date: 06/04/2025 **End date:** 06/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1002	HG
S0.2	S0.2	1	1004	HG
S2.5	S2.5	1	1006	HG
S5	S5	1	1008	HG
S7.5	S7.5	1	1011	HG
S10	S10	1	1013	HG
ICV26	ICV26	1	1025	HG
ICB26	ICB26	1	1030	HG
CCV95	CCV95	1	1032	HG
CCB95	CCB95	1	1034	HG
CRA	CRA	1	1036	HG
PB168262BL	PB168262BL	1	1043	HG
PB168262BS	PB168262BS	1	1048	HG
CCV96	CCV96	1	1102	HG
CCB96	CCB96	1	1104	HG
Q2177-03	B-187-SB01	1	1118	HG
Q2177-05	B-187-SB02	1	1120	HG
Q2177-07	B-202-SB01	1	1122	HG
CCV97	CCV97	1	1129	HG
CCB97	CCB97	1	1131	HG
Q2185-08DUP	TP01-MHB-WCDUP	1	1134	HG
Q2185-08MS	TP01-MHA-WCMS	1	1138	HG
Q2185-08MSD	TP01-MHA-WCMSD	1	1141	HG
PB168224TB	PB168224TB	1	1143	HG
Q2185-08L	TP01-MHB-WCL	5	1145	HG
CCV98	CCV98	1	1153	HG
CCB98	CCB98	1	1155	HG

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2177 **Sas no.:** Q2177 **Sdg no.:** Q2177

Instrument id number: **Method:** **Run number:** LB136011

Start date: 06/04/2025 **End date:** 06/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1418	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1423	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1427	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1431	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1435	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1439	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1549	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1606	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1610	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1615	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1626	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1632	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1645	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1652	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1735	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1739	Ag,As,Ba,Cd,Cr,Pb,Se
PB168224TB	PB168224TB	1	1805	Ag,As,Ba,Cd,Cr,Pb,Se
Q2177-03	B-187-SB01	1	1823	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1837	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1842	Ag,As,Ba,Cd,Cr,Pb,Se
Q2177-05	B-187-SB02	1	1847	Ag,As,Ba,Cd,Cr,Pb,Se
Q2177-07	B-202-SB01	1	1851	Ag,As,Ba,Cd,Cr,Pb,Se
Q2185-08DUP	TP01-MHB-WCDUP	1	1904	Ag,As,Ba,Cd,Cr,Pb,Se
Q2185-08L	TP01-MHB-WCL	5	1909	Ag,As,Ba,Cd,Cr,Pb,Se
Q2185-08MS	TP01-MHA-WCMS	1	1913	Ag,As,Ba,Cd,Cr,Pb,Se
Q2185-08MSD	TP01-MHA-WCMSD	1	1917	Ag,As,Ba,Cd,Cr,Pb,Se
Q2185-08A	TP01-MHB-WCA	1	1922	Ba
CCV04	CCV04	1	1926	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1930	Ag,As,Ba,Cd,Cr,Pb,Se
PB168256BL	PB168256BL	1	1934	Ag,As,Ba,Cd,Cr,Pb,Se
PB168256BS	PB168256BS	1	1939	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	2012	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	2016	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	2058	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	2102	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	2141	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	2145	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	2206	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	2210	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP ICP Metals	6010D		06/03/25	06/04/25	
			TCLP Mercury	7470A		06/03/25	06/04/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP ICP Metals	6010D		06/03/25	06/04/25	
			TCLP Mercury	7470A		06/03/25	06/04/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			Mercury	7471B		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/02/25	06/10/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP ICP Metals	6010D		06/03/25	06/04/25	
			TCLP Mercury	7470A		06/03/25	06/04/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			Mercury	7470A		06/02/25	06/03/25	
			Metals ICP-TAL	6010D		06/03/25	06/04/25	

METAL PREPARATION & ANALYICAL SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168256**						
PB168224TB	PB168224TB	MB	WATER	06/03/2025	5.0	25.0	
PB168256BL	PB168256BL	MB	WATER	06/03/2025	5.0	25.0	
PB168256BS	PB168256BS	LCS	WATER	06/03/2025	5.0	25.0	
Q2177-03	B-187-SB01	SAM	WATER	06/03/2025	5.0	25.0	
Q2177-05	B-187-SB02	SAM	WATER	06/03/2025	5.0	25.0	
Q2177-07	B-202-SB01	SAM	WATER	06/03/2025	5.0	25.0	
Q2185-08DUP	TP01-MHB-WCDUP	DUP	WATER	06/03/2025	5.0	25.0	
Q2185-08MS	TP01-MHA-WCMS	MS	WATER	06/03/2025	5.0	25.0	
Q2185-08MSD	TP01-MHA-WCMSD	MSD	WATER	06/03/2025	5.0	25.0	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q2177 **SAS No.:** Q2177

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168262**						
PB168224TB	PB168224TB	MB	WATER	06/03/2025	3.0	30.0	
PB168262BL	PB168262BL	MB	WATER	06/03/2025	30.0	30.0	
PB168262BS	PB168262BS	LCS	WATER	06/03/2025	30.0	30.0	
Q2177-03	B-187-SB01	SAM	WATER	06/03/2025	3.0	30.0	
Q2177-05	B-187-SB02	SAM	WATER	06/03/2025	3.0	30.0	
Q2177-07	B-202-SB01	SAM	WATER	06/03/2025	3.0	30.0	
Q2185-08DUP	TP01-MHB-WCDUP	DUP	WATER	06/03/2025	3.0	30.0	
Q2185-08MS	TP01-MHA-WCMS	MS	WATER	06/03/2025	3.0	30.0	
Q2185-08MSD	TP01-MHA-WCMSD	MSD	WATER	06/03/2025	3.0	30.0	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135995

Review By	MOHAN	Review On	6/4/2025 5:38:08 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP85853,MP85854,MP85855,MP85856,MP85857,MP85858
ICV Standard	MP85859
CCV Standard	MP85861
ICSA Standard	
CRI Standard	MP85863
LCS Standard	
Chk Standard	MP85860,MP85862,MP85864,MP85866

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/04/25 10:02		MOHAN	OK
2	S0.2	S0.2	CAL2	06/04/25 10:04		MOHAN	OK
3	S2.5	S2.5	CAL3	06/04/25 10:06		MOHAN	OK
4	S5	S5	CAL4	06/04/25 10:08		MOHAN	OK
5	S7.5	S7.5	CAL5	06/04/25 10:11		MOHAN	OK
6	S10	S10	CAL6	06/04/25 10:13		MOHAN	OK
7	ICV26	ICV26	ICV	06/04/25 10:25		MOHAN	OK
8	ICB26	ICB26	ICB	06/04/25 10:30		MOHAN	OK
9	CCV95	CCV95	CCV	06/04/25 10:32		MOHAN	OK
10	CCB95	CCB95	CCB	06/04/25 10:34		MOHAN	OK
11	CRA	CRA	CRDL	06/04/25 10:36		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/04/25 10:39		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/04/25 10:41		MOHAN	OK
14	PB168262BL	PB168262BL	MB	06/04/25 10:43		MOHAN	OK
15	PB168262BS	PB168262BS	LCS	06/04/25 10:48		MOHAN	OK
16	Q2159-04	TP05-MHO-WC	SAM	06/04/25 10:50		MOHAN	OK
17	Q2160-04	TP04-MHG-WC	SAM	06/04/25 10:53		MOHAN	OK
18	Q2160-08	TP05-MHH-WC	SAM	06/04/25 10:55		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135995

Review By	MOHAN	Review On	6/4/2025 5:38:08 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP85853,MP85854,MP85855,MP85856,MP85857,MP85858
ICV Standard	MP85859
CCV Standard	MP85861
ICSA Standard	
CRI Standard	MP85863
LCS Standard	
Chk Standard	MP85860,MP85862,MP85864,MP85866

19	Q2168-02	SAN-A1-A3	SAM	06/04/25 10:57		MOHAN	OK
20	Q2168-06	SAN-B1-B3	SAM	06/04/25 10:59		MOHAN	OK
21	CCV96	CCV96	CCV	06/04/25 11:02		MOHAN	OK
22	CCB96	CCB96	CCB	06/04/25 11:04		MOHAN	OK
23	Q2168-10	SAN-C1-C2	SAM	06/04/25 11:06		MOHAN	OK
24	Q2172-04	TP06-MHQ	SAM	06/04/25 11:09		MOHAN	OK
25	Q2173-06	OR-400-CF-402B-CO	SAM	06/04/25 11:11		MOHAN	OK
26	Q2173-12	OR-400-CF-402B-CO	SAM	06/04/25 11:13		MOHAN	OK
27	Q2173-18	OR-400-CF-402B-CO	SAM	06/04/25 11:15		MOHAN	OK
28	Q2177-03	B-187-SB01	SAM	06/04/25 11:18		MOHAN	OK
29	Q2177-05	B-187-SB02	SAM	06/04/25 11:20		MOHAN	OK
30	Q2177-07	B-202-SB01	SAM	06/04/25 11:22		MOHAN	OK
31	Q2185-04	TP02-MHB-WC	SAM	06/04/25 11:24		MOHAN	OK
32	Q2185-08	TP01-MHA-WC	SAM	06/04/25 11:27		MOHAN	OK
33	CCV97	CCV97	CCV	06/04/25 11:29		MOHAN	OK
34	CCB97	CCB97	CCB	06/04/25 11:31		MOHAN	OK
35	Q2185-08DUP	TP01-MHA-WC	DUP	06/04/25 11:34		MOHAN	OK
36	Q2185-08MS	TP01-MHA-WCMS	MS	06/04/25 11:38		MOHAN	OK
37	Q2185-08MSD	TP01-MHA-WCMSD	MSD	06/04/25 11:41		MOHAN	OK
38	PB168224TB	PB168224TB	MB	06/04/25 11:43		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135995

Review By	MOHAN	Review On	6/4/2025 5:38:08 PM
Supervise By	jaswal	Supervise On	6/4/2025 5:41:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP85853,MP85854,MP85855,MP85856,MP85857,MP85858
ICV Standard	MP85859
CCV Standard	MP85861
ICSA Standard	
CRI Standard	MP85863
LCS Standard	
Chk Standard	MP85860,MP85862,MP85864,MP85866

39	Q2185-08L	TP01-MHA-WC	SD	06/04/25 11:45		MOHAN	OK
40	Q2185-08A	TP01-MHA-WC	PS	06/04/25 11:48		MOHAN	OK
41	CCV98	CCV98	CCV	06/04/25 11:53		MOHAN	OK
42	CCB98	CCB98	CCB	06/04/25 11:55		MOHAN	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/04/25 14:18		Jaswal	OK
2	S1	S1	CAL2	06/04/25 14:23		Jaswal	OK
3	S2	S2	CAL3	06/04/25 14:27		Jaswal	OK
4	S3	S3	CAL4	06/04/25 14:31		Jaswal	OK
5	S4	S4	CAL5	06/04/25 14:35		Jaswal	OK
6	S5	S5	CAL6	06/04/25 14:39		Jaswal	OK
7	ICV01	ICV01	ICV	06/04/25 15:49		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/04/25 16:06		Jaswal	OK
9	ICB01	ICB01	ICB	06/04/25 16:10		Jaswal	OK
10	CRI01	CRI01	CRDL	06/04/25 16:15		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/04/25 16:26		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/04/25 16:32		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/04/25 16:36		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/04/25 16:40		Jaswal	OK
15	CCV01	CCV01	CCV	06/04/25 16:45		Jaswal	OK
16	CCB01	CCB01	CCB	06/04/25 16:52		Jaswal	OK
17	Q2160-05	TP05-MHH-WC	SAM	06/04/25 16:57		Jaswal	OK
18	Q2159-04	TP05-MHO-WC	SAM	06/04/25 17:01		Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2178-01	RT2929	SAM	06/04/25 17:05		Jaswal	OK
20	Q2182-01	OR-03-06022025	SAM	06/04/25 17:10		Jaswal	OK
21	Q2172-04	TP06-MHQ	SAM	06/04/25 17:14		Jaswal	OK
22	Q2178-02	RT2929	SAM	06/04/25 17:18		Jaswal	OK
23	Q2185-01	TP02-MHB-WC	SAM	06/04/25 17:23		Jaswal	OK
24	Q2185-05	TP01-MHA-WC	SAM	06/04/25 17:27		Jaswal	OK
25	Q2178-01DUP	RT2929DUP	DUP	06/04/25 17:31		Jaswal	OK
26	CCV02	CCV02	CCV	06/04/25 17:35		Jaswal	OK
27	CCB02	CCB02	CCB	06/04/25 17:39		Jaswal	OK
28	Q2178-01L	RT2929L	SD	06/04/25 17:48		Jaswal	OK
29	Q2178-01MS	RT2929MS	MS	06/04/25 17:53		Jaswal	OK
30	Q2178-01MSD	RT2929MSD	MSD	06/04/25 17:57		Jaswal	OK
31	Q2178-01A	RT2929A	PS	06/04/25 18:01		Jaswal	OK
32	PB168224TB	PB168224TB	MB	06/04/25 18:05		Jaswal	OK
33	Q2168-02	SAN-A1-A3	SAM	06/04/25 18:10		Jaswal	OK
34	Q2168-06	SAN-B1-B3	SAM	06/04/25 18:14		Jaswal	OK
35	Q2168-10	SAN-C1-C2	SAM	06/04/25 18:19		Jaswal	OK
36	Q2177-03	B-187-SB01	SAM	06/04/25 18:23		Jaswal	OK
37	CCV03	CCV03	CCV	06/04/25 18:37		Jaswal	OK
38	CCB03	CCB03	CCB	06/04/25 18:42		Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

39	Q2177-05	B-187-SB02	SAM	06/04/25 18:47		Jaswal	OK
40	Q2177-07	B-202-SB01	SAM	06/04/25 18:51		Jaswal	OK
41	Q2185-04	TP02-MHB-WC	SAM	06/04/25 18:56		Jaswal	OK
42	Q2185-08	TP01-MHA-WC	SAM	06/04/25 19:00		Jaswal	OK
43	Q2185-08DUP	TP01-MHA-WC	DUP	06/04/25 19:04		Jaswal	OK
44	Q2185-08L	TP01-MHA-WC	SD	06/04/25 19:09		Jaswal	OK
45	Q2185-08MS	TP01-MHA-WCMS	MS	06/04/25 19:13		Jaswal	OK
46	Q2185-08MSD	TP01-MHA-WCMSD	MSD	06/04/25 19:17		Jaswal	OK
47	Q2185-08A	TP01-MHA-WC	PS	06/04/25 19:22		Jaswal	OK
48	CCV04	CCV04	CCV	06/04/25 19:26		Jaswal	OK
49	CCB04	CCB04	CCB	06/04/25 19:30		Jaswal	OK
50	PB168256BL	PB168256BL	MB	06/04/25 19:34		Jaswal	OK
51	PB168256BS	PB168256BS	LCS	06/04/25 19:39		Jaswal	OK
52	PB168261BL	PB168261BL	MB	06/04/25 19:43		Jaswal	OK
53	PB168261BS	PB168261BS	LCS	06/04/25 19:47		Jaswal	OK
54	PB168255BL	PB168255BL	MB	06/04/25 19:51		Jaswal	OK
55	PB168255BS	PB168255BS	LCS	06/04/25 19:55		Jaswal	OK
56	Q2169-01	303-PPR-1	SAM	06/04/25 19:59		Jaswal	OK
57	Q2169-03	303-PPR-2	SAM	06/04/25 20:03		Jaswal	OK
58	Q2175-06DL	EGR-LIQUIDDL	SAM	06/04/25 20:08	Straight 5x for all elements	Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

59	CCV05	CCV05	CCV	06/04/25 20:12		Jaswal	OK
60	CCB05	CCB05	CCB	06/04/25 20:16		Jaswal	OK
61	Q2177-08	EB05312025	SAM	06/04/25 20:20		Jaswal	OK
62	Q2169-03DUP	303-PPR-2DUP	DUP	06/04/25 20:25		Jaswal	OK
63	Q2169-03L	303-PPR-2L	SD	06/04/25 20:29		Jaswal	OK
64	Q2169-03MS	303-PPR-2MS	MS	06/04/25 20:33		Jaswal	OK
65	Q2169-03MSD	303-PPR-2MSD	MSD	06/04/25 20:37		Jaswal	OK
66	Q2169-03A	303-PPR-2A	PS	06/04/25 20:42		Jaswal	OK
67	PB168276BL	PB168276BL	MB	06/04/25 20:46		Jaswal	OK
68	PB168276BS	PB168276BS	LCS	06/04/25 20:50		Jaswal	OK
69	Q2175-09DL	52725DL	SAM	06/04/25 20:54	Straight 5x for all elements	Jaswal	OK
70	CCV06	CCV06	CCV	06/04/25 20:58		Jaswal	OK
71	CCB06	CCB06	CCB	06/04/25 21:02		Jaswal	OK
72	Q2198-05DL	B-202-GW01DL	SAM	06/04/25 21:07	Straight 5x for all elements	Jaswal	OK
73	Q2198-05DUPDL	B-202-GW01DUPDL	DUP	06/04/25 21:11	Straight 5x for all elements	Jaswal	OK
74	Q2198-05LDL	B-202-GW01LDL	SD	06/04/25 21:15	Straight 25x for all elements	Jaswal	OK
75	Q2198-05MSDL	B-202-GW01MSDL	MS	06/04/25 21:20	Straight 5x for all elements	Jaswal	OK
76	Q2198-05MSDDL	B-202-GW01MSDDL	MSD	06/04/25 21:24	Straight 5x for all elements	Jaswal	OK
77	Q2198-05ADL	B-202-GW01ADL	PS	06/04/25 21:28	Straight 5x for all elements	Jaswal	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 # LB136011

Review By	Janvi	Review On	6/5/2025 3:57:54 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:55:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

78	Q2172-01	TP06-MHQ	SAM	06/04/25 21:32	CCV fail for Fe,K,Na	Jaswal	Not Ok
79	Q2172-01DUP	TP06-MHQDUP	DUP	06/04/25 21:37	CCV fail for Fe,K,Na	Jaswal	Not Ok
80	CCV07	CCV07	CCV	06/04/25 21:41		Jaswal	OK
81	CCB07	CCB07	CCB	06/04/25 21:45		Jaswal	OK
82	Q2172-01L	TP06-MHQL	SD	06/04/25 21:49	CCV fail for Fe,K,Na	Jaswal	Not Ok
83	Q2172-01MS	TP06-MHQMS	MS	06/04/25 21:54	CCV fail for Fe,K,Na	Jaswal	Not Ok
84	Q2172-01MSD	TP06-MHQMSD	MSD	06/04/25 21:57	CCV fail for Fe,K,Na	Jaswal	Not Ok
85	Q2172-01A	TP06-MHQA	PS	06/04/25 22:01	CCV fail for Fe,K,Na	Jaswal	Not Ok
86	CCV08	CCV08	CCV	06/04/25 22:06	CCV fail for Fe,K,Na	Jaswal	OK
87	CCB08	CCB08	CCB	06/04/25 22:10		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168256

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: 06/03/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 06/03/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLG

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
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	MP84041
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 16:32	SLG met dig	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168256

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168224TB	PB168224TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168256BL	PBW256	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	2
PB168256BS	LCS256	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2159-04	TP05-MHO-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2160-04	TP04-MHG-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2160-08	TP05-MHH-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2168-02	SAN-A1-A3	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2168-06	SAN-B1-B3	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q2168-10	SAN-C1-C2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q2172-04	TP06-MHQ	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q2173-06	OR-400-CF-402B-COMP-23	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
Q2173-12	OR-400-CF-402B-COMP-24	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
Q2173-18	OR-400-CF-402B-COMP-25	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
Q2177-03	B-187-SB01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
Q2177-05	B-187-SB02	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15
Q2177-07	B-202-SB01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
Q2178-02	RT2929	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q2185-04	TP02-MHB-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q2185-08	TP01-MHB-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q2185-08MS	TP01-MHB-WCMS	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	21
Q2185-08MSD	TP01-MHB-WCMSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	22
Q2185-08DUP	TP01-MHB-WCDUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168262

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/03/2025 **Time :** 13:30 **Temp :** 94 °C

End Digest Date: 06/03/2025 **Time :** 15:30 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: BB

Supervisor Signature: [illegible]

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85859
CCV	30mL	MP85861
CRA	30mL	MP85863
Blank Spike	0.48mL	MP85852
Matrix Spike	0.48mL	MP85852

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85240
KMnO4 (5%)	4.5mL	MP85241
K2S2O8 (5%)	2.4mL	MP85242
Hydroxylamine HCL (12%)	1.8mL	MP85243
N/A	N/A	N/A
N/A	N/A	N/A
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	MP85853
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85854
2.5 ppb	S2.5	30mL	MP85855
5.0 ppb	S5.0	30mL	MP85856
7.5 ppb	S7.5	30mL	MP85857
10.0 ppb	S10.0	30mL	MP85858
ICV	ICV	30mL	MP85859
ICB	ICB	30mL	MP85860
CCV	CCV	30mL	MP85861
CCB	CCB	30mL	MP85862
CRI	CRI	30mL	MP85863
CHK STD	CHK STD	30mL	MP85864

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 16:30	[illegible]	BB - [illegible]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168262

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168224TB	PB168224TB	3	30	<2	N/A	3-1
PB168262BL	PBW262	30	30	<2	N/A	2
PB168262BS	LCS262	30	30	<2	MP85852	3
Q2159-04	TP05-MHO-WC	3	30	<2	N/A	4
Q2160-04	TP04-MHG-WC	3	30	<2	N/A	5
Q2160-08	TP05-MHH-WC	3	30	<2	N/A	6
Q2168-02	SAN-A1-A3	3	30	<2	N/A	7
Q2168-06	SAN-B1-B3	3	30	<2	N/A	8
Q2168-10	SAN-C1-C2	3	30	<2	N/A	9
Q2172-04	TP06-MHQ	3	30	<2	N/A	10
Q2173-06	OR-400-CF-402B-COMP-23	3	30	<2	N/A	11
Q2173-12	OR-400-CF-402B-COMP-24	3	30	<2	N/A	12
Q2173-18	OR-400-CF-402B-COMP-25	3	30	<2	N/A	13
Q2177-03	B-187-SB01	3	30	<2	N/A	14
Q2177-05	B-187-SB02	3	30	<2	N/A	15
Q2177-07	B-202-SB01	3	30	<2	N/A	16
Q2185-04	TP02-MHB-WC	3	30	<2	N/A	17
Q2185-08	TP01-MHB-WC	3	30	<2	N/A	18
Q2185-08DUP	TP01-MHB-WCDUP	3	30	<2	N/A	19
Q2185-08MS	TP01-MHB-WCMS	3	30	<2	MP85852	20
Q2185-08MSD	TP01-MHB-WCMSD	3	30	<2	MP85852	21

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

SOP ID : M1311-TCLP-16

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 : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature :

Supervisor By : SJ

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	TCLP Room	SLS. RS 1Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168224

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168224

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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

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:	05/31/25 09:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
		% Solid:	84.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.082	U	1	0.082	0.47	mg/Kg	06/02/25 09:10	06/02/25 13:12	7196A
Trivalent Chromium	19.2		1	0.59	0.59	mg/Kg		06/10/25 21:36	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:	05/31/25 09:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.13	H	1	0	0	pH		06/02/25 16:30	9045D
Ignitability	NO		1	0	0	oC		06/02/25 10:16	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	06/02/25 12:25	06/02/25 15:33	9012B
Reactive Sulfide	3.15	J	1	0.20	10.0	mg/Kg	06/02/25 10:30	06/02/25 14:13	9034

Comments: pH result reported at temperature 20.9 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25 10:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
		% Solid:	62.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.11	U	1	0.11	0.63	mg/Kg	06/02/25 09:10	06/02/25 13:13	7196A
Trivalent Chromium	8.68		1	0.80	0.80	mg/Kg		06/10/25 21:40	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:	05/31/25 10:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.36	H	1	0	0	pH		06/02/25 16:33	9045D
Ignitability	NO		1	0	0	oC		06/02/25 10:23	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	06/02/25 12:25	06/02/25 15:41	9012B
Reactive Sulfide	4.78	J	1	0.20	10.0	mg/Kg	06/02/25 10:30	06/02/25 14:15	9034

Comments: pH result reported at temperature 20.9 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25 10:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
		% Solid:	85.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.080	U	1	0.080	0.46	mg/Kg	06/02/25 09:10	06/02/25 13:16	7196A
Trivalent Chromium	14.5		1	0.59	0.59	mg/Kg		06/10/25 22:13	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:	05/31/25 10:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.23	H	1	0	0	pH		06/02/25 16:40	9045D
Ignitability	NO		1	0	0	oC		06/02/25 10:31	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	06/02/25 12:25	06/02/25 15:41	9012B
Reactive Sulfide	3.18	J	1	0.20	10.0	mg/Kg	06/02/25 10:30	06/02/25 14:18	9034

Comments: pH result reported at temperature 20.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25 14:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	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		06/02/25 09:53	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		06/04/25 20:20	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135974

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	06/02/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	06/02/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135980

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	06/02/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	06/02/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	06/02/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	06/02/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135982

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.094	0.099	95	85-115	06/02/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	06/02/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	06/02/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.26	0.25	104	90-110	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135983

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
Corrosivity	pH	7.01	7	100	90-110	06/02/2025
Sample ID: **CCV1**						
Corrosivity	pH	2.01	2.00	101	90-110	06/02/2025
Sample ID: **CCV2**						
Corrosivity	pH	12.02	12.00	100	90-110	06/02/2025
Sample ID: **CCV3**						
Corrosivity	pH	2.02	2.00	101	90-110	06/02/2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135974

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135980

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135982

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	06/02/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	06/02/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	06/02/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135974BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	06/02/2025
Sample ID: PB168185BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	06/02/2025
Sample ID: PB168226BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	06/02/2025
Sample ID: PB168250BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2146-01
Client ID: TP04-MHN-WCMS
Percent Solids for Spike Sample: 79.9

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	1560		0.087	U	1610	40	97		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2146-01
Client ID: TP04-MHN-WCMS
Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	43.0		0.087	U	50.1	2	86		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2146-01
Client ID: TP04-MHN-WCMS
Percent Solids for Spike Sample: 79.9

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	39.8		0.087	U	50.1	2	79		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: TP04-MHN-WCDUP
SDG No.: Q2177
Sample ID: Q2146-01
Percent Solids for Spike Sample: 79.9

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		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2157-01
Client ID: 291DUP
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		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2168-02
Client ID: SAN-A1-A3DUP
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	0.0083	U	0.0083	U	1	0		06/02/2025
Reactive Sulfide	mg/Kg	+/-20	4.76	J	4.76	J	1	0		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: TP01-MHB-WCDUP
SDG No.: Q2177
Sample ID: Q2185-08
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.00		8.01		1	0.12		06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB135974

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135974BS								
Hexavalent Chromium	mg/L	0.5	0.50		100	1	90-111	06/02/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2177
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB135980

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB168185BS								
Hexavalent Chromium	mg/Kg	20	19.9		100	1	84-110	06/02/2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135974

Review By	rubina	Review On	6/2/2025 4:16:44 PM
Supervise By	Iwona	Supervise On	6/11/2025 4:12:14 PM
SubDirectory	LB135974	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	WP113327,WP113326,WP113324,WP113323,WP113258,WP112831,WP113322,WP113331,WP113325,WP113330,\

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	06/02/25 09:45		rubina	OK
2	CAL2	CAL2	CAL	06/02/25 09:45		rubina	OK
3	CAL3	CAL3	CAL	06/02/25 09:46		rubina	OK
4	CAL4	CAL4	CAL	06/02/25 09:46		rubina	OK
5	CAL5	CAL5	CAL	06/02/25 09:47		rubina	OK
6	CAL6	CAL6	CAL	06/02/25 09:47		rubina	OK
7	CAL7	CAL7	CAL	06/02/25 09:48		rubina	OK
8	ICV	ICV	ICV	06/02/25 09:48		rubina	OK
9	ICB	ICB	ICB	06/02/25 09:49		rubina	OK
10	CCV1	CCV1	CCV	06/02/25 09:49		rubina	OK
11	CCB1	CCB1	CCB	06/02/25 09:50		rubina	OK
12	RL Check	RL Check	SAM	06/02/25 09:50		rubina	OK
13	LB135974BL	LB135974BL	MB	06/02/25 09:51		rubina	OK
14	LB135974BS	LB135974BS	LCS	06/02/25 09:51		rubina	OK
15	Q2126-07	LOD-MDL-WATER-01	SAM	06/02/25 09:52		rubina	OK
16	Q2126-08	LOQ-WATER-02-QT2	SAM	06/02/25 09:52		rubina	OK
17	Q2177-08	EB05312025	SAM	06/02/25 09:53		rubina	OK
18	CCV2	CCV2	CCV	06/02/25 09:53		rubina	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135974

Review By	rubina	Review On	6/2/2025 4:16:44 PM
Supervise By	lwona	Supervise On	6/11/2025 4:12:14 PM
SubDirectory	LB135974	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	WP113327,WP113326,WP113324,WP113323,WP113258,WP112831,WP113322,WP113331,WP113325,WP113330,\

19	CCB2	CCB2	CCB	06/02/25 09:54		rubina	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB135977

Review By	Eman	Review On	6/2/2025 2:19:14 PM
Supervise By	Iwona	Supervise On	6/2/2025 4:29:53 PM
SubDirectory	LB135977	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	Q2157-01	291	SAM	06/02/25 09:00		Eman	OK
2	Q2157-01DUP	291DUP	DUP	06/02/25 09:08		Eman	OK
3	Q2168-02	SAN-A1-A3	SAM	06/02/25 09:15		Eman	OK
4	Q2168-06	SAN-B1-B3	SAM	06/02/25 09:23		Eman	OK
5	Q2168-10	SAN-C1-C2	SAM	06/02/25 09:30		Eman	OK
6	Q2172-01	TP06-MHQ	SAM	06/02/25 09:38		Eman	OK
7	Q2172-04	TP06-MHQ	SAM	06/02/25 09:45		Eman	OK
8	Q2173-06	OR-400-CF-402B-CO	SAM	06/02/25 09:53		Eman	OK
9	Q2173-12	OR-400-CF-402B-CO	SAM	06/02/25 10:00		Eman	OK
10	Q2173-18	OR-400-CF-402B-CO	SAM	06/02/25 10:08		Eman	OK
11	Q2177-03	B-187-SB01	SAM	06/02/25 10:16		Eman	OK
12	Q2177-05	B-187-SB02	SAM	06/02/25 10:23		Eman	OK
13	Q2177-07	B-202-SB01	SAM	06/02/25 10:31		Eman	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135980

Review By	Eman	Review On	6/2/2025 4:14:24 PM
Supervise By	Iwona	Supervise On	6/11/2025 4:13:36 PM
SubDirectory	LB135980	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	WP113258,WP112831,WP112830,WP113322,WP113087

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	06/02/25 12:40		Eman	OK
2	CAL2	CAL2	CAL	06/02/25 12:41		Eman	OK
3	CAL3	CAL3	CAL	06/02/25 12:42		Eman	OK
4	CAL4	CAL4	CAL	06/02/25 12:43		Eman	OK
5	CAL5	CAL5	CAL	06/02/25 12:44		Eman	OK
6	CAL6	CAL6	CAL	06/02/25 12:45		Eman	OK
7	CAL7	CAL7	CAL	06/02/25 12:46		Eman	OK
8	ICV	ICV	ICV	06/02/25 12:47		Eman	OK
9	ICB	ICB	ICB	06/02/25 12:48		Eman	OK
10	CCV1	CCV1	CCV	06/02/25 12:49		Eman	OK
11	CCB1	CCB1	CCB	06/02/25 12:50		Eman	OK
12	RL Check	RL Check	SAM	06/02/25 12:51		Eman	OK
13	PB168185BL	PB168185BL	MB	06/02/25 12:52		Eman	OK
14	PB168185BS	PB168185BS	LCS	06/02/25 12:53		Eman	OK
15	Q2126-03	MDL-SOIL-03-QT2-20	SAM	06/02/25 12:54		Eman	OK
16	Q2146-01	TP04-MHN-WC	SAM	06/02/25 12:55		Eman	OK
17	Q2146-01DUP	TP04-MHN-WCDUP	DUP	06/02/25 12:56		Eman	OK
18	Q2146-01MSPre	TP04-MHN-WCMS	MS	06/02/25 12:57		Eman	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135980

Review By	Eman	Review On	6/2/2025 4:14:24 PM
Supervise By	Iwona	Supervise On	6/11/2025 4:13:36 PM
SubDirectory	LB135980	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	WP113258,WP112831,WP112830,WP113322,WP113087

19	Q2146-01MS2Ins	TP04-MHN-WCMS	MS	06/02/25 12:58		Eman	OK
20	Q2146-01MS3Post	TP04-MHN-WCMS	MS	06/02/25 12:59		Eman	OK
21	Q2151-01	WC-1	SAM	06/02/25 13:00		Eman	OK
22	Q2152-01	OK-02-05292025	SAM	06/02/25 13:01		Eman	OK
23	CCV2	CCV2	CCV	06/02/25 13:02		Eman	OK
24	CCB2	CCB2	CCB	06/02/25 13:03		Eman	OK
25	Q2153-01	TR-04-0592025	SAM	06/02/25 13:04		Eman	OK
26	Q2159-01	TP05-MHO-WC	SAM	06/02/25 13:05		Eman	OK
27	Q2160-01	TP04-MHG-WC	SAM	06/02/25 13:06		Eman	OK
28	Q2160-05	TP05-MHH-WC	SAM	06/02/25 13:07		Eman	OK
29	Q2172-01	TP06-MHQ	SAM	06/02/25 13:08		Eman	OK
30	Q2173-01	OR-400-CF-402B-CO	SAM	06/02/25 13:09		Eman	OK
31	Q2173-07	OR-400-CF-402B-CO	SAM	06/02/25 13:10		Eman	OK
32	Q2173-13	OR-400-CF-402B-CO	SAM	06/02/25 13:11		Eman	OK
33	Q2177-02	B-187-SB01	SAM	06/02/25 13:12		Eman	OK
34	Q2177-04	B-187-SB02	SAM	06/02/25 13:13		Eman	OK
35	CCV3	CCV3	CCV	06/02/25 13:14		Eman	OK
36	CCB3	CCB3	CCB	06/02/25 13:15		Eman	OK
37	Q2177-06	B-202-SB01	SAM	06/02/25 13:16		Eman	OK
38	CCV4	CCV4	CCV	06/02/25 13:17		Eman	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135980

Review By	Eman	Review On	6/2/2025 4:14:24 PM
Supervise By	Iwona	Supervise On	6/11/2025 4:13:36 PM
SubDirectory	LB135980	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	WP113258,WP112831,WP112830,WP113322,WP113087

39	CCB4	CCB4	CCB	06/02/25 13:18		Eman	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135982

Review By	rubina	Review On	6/3/2025 5:11:18 PM
Supervise By	Iwona	Supervise On	6/4/2025 9:47:56 AM
SubDirectory	LB135982	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113310,WP113311,WP113312,WP113313,WP113314,WP113315,WP113316
ICV Standard	WP113317
CCV Standard	WP113311
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113318

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/02/25 11:54		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/02/25 11:54		rubina	OK
3	10PPBCN	10PPBCN	CAL3	06/02/25 11:54		rubina	OK
4	50PPBCN	50PPBCN	CAL4	06/02/25 11:54		rubina	OK
5	100PPBCN	100PPBCN	CAL5	06/02/25 11:54		rubina	OK
6	250PPBCN	250PPBCN	CAL6	06/02/25 11:54		rubina	OK
7	500PPBCN	500PPBCN	CAL7	06/02/25 11:54		rubina	OK
8	ICV1	ICV1	ICV	06/02/25 15:26		rubina	OK
9	ICB1	ICB1	ICB	06/02/25 15:26		rubina	OK
10	CCV1	CCV1	CCV	06/02/25 15:26		rubina	OK
11	CCB1	CCB1	CCB	06/02/25 15:26		rubina	OK
12	PB168226BL	PB168226BL	MB	06/02/25 15:26		rubina	OK
13	Q2168-02	SAN-A1-A3	SAM	06/02/25 15:26		rubina	OK
14	Q2168-02DUP	SAN-A1-A3DUP	DUP	06/02/25 15:33		rubina	OK
15	Q2168-06	SAN-B1-B3	SAM	06/02/25 15:33		rubina	OK
16	Q2168-10	SAN-C1-C2	SAM	06/02/25 15:33		rubina	OK
17	Q2172-04	TP06-MHQ	SAM	06/02/25 15:33		rubina	OK
18	Q2173-06	OR-400-CF-402B-CO	SAM	06/02/25 15:33		rubina	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135982

Review By	rubina	Review On	6/3/2025 5:11:18 PM
Supervise By	lwona	Supervise On	6/4/2025 9:47:56 AM
SubDirectory	LB135982	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113310,WP113311,WP113312,WP113313,WP113314,WP113315,WP113316
ICV Standard	WP113317
CCV Standard	WP113311
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113318

19	Q2173-12	OR-400-CF-402B-CO	SAM	06/02/25 15:33		rubina	OK
20	Q2173-18	OR-400-CF-402B-CO	SAM	06/02/25 15:33		rubina	OK
21	Q2177-03	B-187-SB01	SAM	06/02/25 15:33		rubina	OK
22	CCV2	CCV2	CCV	06/02/25 15:41		rubina	OK
23	CCB2	CCB2	CCB	06/02/25 15:41		rubina	OK
24	PB168188BL	PB168188BL	MB	06/02/25 15:41		rubina	OK
25	Q2137-03	MOO-25-0149	SAM	06/02/25 15:41		rubina	OK
26	Q2137-03DUP	MOO-25-0149DUP	DUP	06/02/25 15:41		rubina	OK
27	Q2177-05	B-187-SB02	SAM	06/02/25 15:41		rubina	OK
28	Q2177-07	B-202-SB01	SAM	06/02/25 15:41		rubina	OK
29	CCV3	CCV3	CCV	06/02/25 15:45		rubina	OK
30	CCB3	CCB3	CCB	06/02/25 15:45		rubina	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135983

Review By	jignesh	Review On	6/3/2025 8:19:26 AM
Supervise By	Sohil	Supervise On	6/3/2025 11:52:04 AM
SubDirectory	LB135983	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	W3178,W3093,W3191,W3071,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	06/02/25 15:20		Jignesh	OK
2	CAL2	CAL2	CAL	06/02/25 15:21		Jignesh	OK
3	CAL3	CAL3	CAL	06/02/25 15:22		Jignesh	OK
4	ICV	ICV	ICV	06/02/25 15:25		Jignesh	OK
5	CCV1	CCV1	CCV	06/02/25 15:26		Jignesh	OK
6	Q2159-04	TP05-MHO-WC	SAM	06/02/25 15:33		Jignesh	OK
7	Q2160-04	TP04-MHG-WC	SAM	06/02/25 15:40		Jignesh	OK
8	Q2160-08	TP05-MHH-WC	SAM	06/02/25 15:44		Jignesh	OK
9	Q2168-02	SAN-A1-A3	SAM	06/02/25 15:45		Jignesh	OK
10	Q2168-06	SAN-B1-B3	SAM	06/02/25 15:50		Jignesh	OK
11	Q2168-10	SAN-C1-C2	SAM	06/02/25 15:55		Jignesh	OK
12	Q2172-04	TP06-MHQ	SAM	06/02/25 16:00		Jignesh	OK
13	Q2173-06	OR-400-CF-402B-CO	SAM	06/02/25 16:10		Jignesh	OK
14	Q2173-12	OR-400-CF-402B-CO	SAM	06/02/25 16:15		Jignesh	OK
15	Q2173-18	OR-400-CF-402B-CO	SAM	06/02/25 16:22		Jignesh	OK
16	CCV2	CCV2	CCV	06/02/25 16:25		Jignesh	OK
17	Q2177-03	B-187-SB01	SAM	06/02/25 16:30		Jignesh	OK
18	Q2177-05	B-187-SB02	SAM	06/02/25 16:33		Jignesh	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135983

Review By	jignesh	Review On	6/3/2025 8:19:26 AM
Supervise By	Sohil	Supervise On	6/3/2025 11:52:04 AM
SubDirectory	LB135983	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	W3178,W3093,W3191,W3071,W3161,W3200

19	Q2177-07	B-202-SB01	SAM	06/02/25 16:40		Jignesh	OK
20	Q2185-04	TP02-MHB-WC	SAM	06/02/25 16:50		Jignesh	OK
21	Q2185-08	TP01-MHA-WC	SAM	06/02/25 17:00		Jignesh	OK
22	Q2185-08DUP	TP01-MHA-WC	DUP	06/02/25 17:01		Jignesh	OK
23	CCV3	CCV3	CCV	06/02/25 17:05		Jignesh	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135985

Review By	rubina	Review On	6/2/2025 4:45:45 PM
Supervise By	Iwona	Supervise On	6/2/2025 4:50:19 PM
SubDirectory	LB135985	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,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB168250BL	PB168250BL	MB	06/02/25 14:00		rubina	OK
2	Q2168-02	SAN-A1-A3	SAM	06/02/25 14:03		rubina	OK
3	Q2168-02DUP	SAN-A1-A3DUP	DUP	06/02/25 14:06		rubina	OK
4	Q2168-06	SAN-B1-B3	SAM	06/02/25 14:08		rubina	OK
5	Q2168-10	SAN-C1-C2	SAM	06/02/25 14:10		rubina	OK
6	Q2177-03	B-187-SB01	SAM	06/02/25 14:13		rubina	OK
7	Q2177-05	B-187-SB02	SAM	06/02/25 14:15		rubina	OK
8	Q2177-07	B-202-SB01	SAM	06/02/25 14:18		rubina	OK

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25 09:30**			**06/02/25**
			Hexavalent Chromium	7196A		06/02/25	06/02/25 13:12	
			Trivalent Chromium	6010D			06/10/25 21:36	
Q2177-03	**B-187-SB01**	**SOIL**			**05/31/25 09:30**			**06/02/25**
			Corrosivity	9045D			06/02/25 16:30	
			Ignitability	1030			06/02/25 10:16	
			Reactive Cyanide	9012B		06/02/25	06/02/25 15:33	
			Reactive Sulfide	9034		06/02/25	06/02/25 14:13	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25 10:00**			**06/02/25**
			Hexavalent Chromium	7196A		06/02/25	06/02/25 13:13	
			Trivalent Chromium	6010D			06/10/25 21:40	
Q2177-05	**B-187-SB02**	**SOIL**			**05/31/25 10:00**			**06/02/25**
			Corrosivity	9045D			06/02/25 16:33	
			Ignitability	1030			06/02/25 10:23	
			Reactive Cyanide	9012B		06/02/25	06/02/25 15:41	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

			Reactive Sulfide	9034		06/02/25	06/02/25 14:15	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25 10:15**			**06/02/25**
			Hexavalent Chromium	7196A		06/02/25	06/02/25 13:16	
			Trivalent Chromium	6010D			06/10/25 22:13	
Q2177-07	**B-202-SB01**	**SOIL**			**05/31/25 10:15**			**06/02/25**
			Corrosivity	9045D			06/02/25 16:40	
			Ignitability	1030			06/02/25 10:31	
			Reactive Cyanide	9012B		06/02/25	06/02/25 15:41	
			Reactive Sulfide	9034		06/02/25	06/02/25 14:18	
Q2177-08	**EB05312025**	**WATER**			**05/31/25 14:15**			**06/02/25**
			Hexavalent Chromium	7196A			06/02/25 09:53	
			trivalent Chromium	6010D			06/04/25 20:20	

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB168185

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: 06/02/2025 **Time :** 09:10 **Temp :** 90 °C

End Digest Date: 06/02/2025 **Time :** 10:10 **Temp :** 93 °C

I boiler 06/02/2025 10:35 90c
06/02/2025 11:35 94c

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP111315
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP111315
LCSS	1.0ML	WP111316
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP112903
HEX. DIGESTION SOLN.	50.0ML	WP113085
5M HNO3	5-7ML	WP112830
5N H2SO4	1-3ML	WP112831
N/A	N/A	N/A
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	WP113321
CAL3	CAL3	0.5ML	WP113321
CAL4	CAL4	1ML	WP113321
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:

06/02/2025 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

PB168185

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168185BL	PBS185	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB168185BS	LCS185	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2126-03	MDL-SOIL-03-QT2-2025	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2146-01	TP04-MHN-WC	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2146-01DUP	TP04-MHN-WCDUP	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2146-01MSPre	TP04-MHN-WCMSPRE	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2146-01MS2Ins	TP04-MHN-WCMS2INS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2146-01MS3Post	TP04-MHN-WCMS3POST	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2151-01	WC-1	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2152-01	OK-02-05292025	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2153-01	TR-04-0592025	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-01	TP05-MHO-WC	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2160-01	TP04-MHG-WC	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2160-05	TP05-MHG-WC	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2172-01	TP06-MHQ	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-01	OR-400-CF-402B-COMP-23	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-07	OR-400-CF-402B-COMP-24	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-13	OR-400-CF-402B-COMP-25	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-02	B-187-SB01	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-04	B-187-SB02	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-06	B-202-SB01	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB168226

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Matrix : SOIL

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 06/02/2025 **Time :** 12:25 **Temp :** N/A

End Digest Date: 06/02/2025 **Time :** 13:55 **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: RMC

Supervisor Signature: IZ

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	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
06/02/2025 14:10	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB168226

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168226BL	PBS226	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-02DUP	SAN-A1-A3DUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-02	SAN-A1-A3	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-06	SAN-B1-B3	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-10	SAN-C1-C2	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2172-04	TP06-MHQ	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-06	OR-400-CF-402B-COMP-23	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-12	OR-400-CF-402B-COMP-24	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2173-18	OR-400-CF-402B-COMP-25	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-03	B-187-SB01	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-05	B-187-SB02	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-07	B-202-SB01	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB168250

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-2

Weigh By : RM

Start Digest Date: 06/02/2025 **Time :** 10:30 **Temp :** N/A

End Digest Date: 06/02/2025 **Time :** 12:00 **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: RM

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	WP113086
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:

06/02/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB168250

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168250BL	PBS250	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-02DUP	SAN-A1-A3DUP	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-02	SAN-A1-A3	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-06	SAN-B1-B3	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2168-10	SAN-C1-C2	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-03	B-187-SB01	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-05	B-187-SB02	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2177-07	B-202-SB01	5.03	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. Q2177
COC Number 2046411

16
16.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Avenue
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-310-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Ampak Sawpit
PROJECT NO.: 95000878 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMS45.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION Samantha Beasley PHONE: 908-728-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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: TCL-VOC +10
2: PCBs
3: Cr(VI) Cr(III)
4: TCL-SVOCs-BNA
5: TAL Metals
6: EPH
7: Full TCLP
8: RCRA Arsenics
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-187-SB00	S		X	5/31/25	900	5	X									
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X		
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X		
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X		
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X				
6.	TB05312025	DIW				NA		X									
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/31/25	1. 6-2-25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.7°C °C
Comments:

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

Copyright 2024
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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 6/2/2025 11:19:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 6/2/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	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 : Q2177 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 6/2/2025 11:19:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 6/2/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 6/2/25 1150

Received By : JC
Date / Time : 6/2/25 1150

Storage Area : VOA Refridgerator Room