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 : NORTH ARLINGTON, NJ

ENVIRONMENTAL RESTORATION, LLC

110 Granby Street

Bloomfield, CT - 06002

Phone No: 516-502-6327

ORDER ID : Q2646

ATTENTION : Steve Motta

Laboratory Certification ID # 20012

Table Of Contents for Q2646

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) TCLP BNA- Case Narrative 9

2.4) TCLP Pesticide- Case Narrative 11

2.5) PCB- Case Narrative 13

2.6) TCLP Herbicide- Case Narrative 15

2.7) Metals-AES- Case Narrative 17

2.8) Metals-TCLP- Case Narrative 19

2.9) Genchem- Case Narrative 21

3) Qualifier Page 22

4) QA Checklist 24

5) VOC-TCLVOA-10 Data 25

6) TCLP VOA Data 110

7) TCLP BNA Data 170

8) TCLP Pesticide Data 261

9) PCB Data 379

10) TCLP Herbicide Data 452

11) Metals-AES Data 551

12) Metals-TCLP Data 617

13) Genchem Data 673

14) Shipping Document 686

14.1) CHAIN OF CUSTODY 687

14.2) Lab Certificate 688

14.3) Internal COC 689

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

Cover Page

Order ID : Q2646

Project ID : North Arlington, NJ

Client : Environmental Restoration, LLC

Lab Sample Number	Client Sample Number
Q2646-01	FRAC TANK
Q2646-03	FRAC TANK

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 Sohil Jodhani, QA/QC Director at 10:46 am, Aug 01, 2025

Date: 8/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC
Client : Environmental Restoration, LLC
Project Location : North Arlington, NJ
Project Number : 4R217
Laboratory Sample ID(s) : Q2646
Sampling Date(s) : 07/18/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **1010B,1311,1311 ZHE, 6010D, 7470A, 8081B, 8082A,8151A, 8260D,8270E,9040C,SM2540 D**

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, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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

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

The %RSD is greater than 20% in the Initial Calibration method (82N071625W.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VN087368.D met the requirements except for Dichlorodifluoromethane, Isopropylbenzene and Methylcyclohexane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample FRAC TANK was diluted due to samples being turbid and brown in color, not allowing straight run analysis.

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.

Trip Blank was not provided with this set of samples.
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 Sohil Jodhani, QA/QC Director at 10:46 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP VOA. 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 were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.
Samples FRAC TANK was diluted due to samples being turbid and brown in color, not allowing straight run analysis.

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

Trip Blank was not provided with this set of samples.
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.

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 Sohil Jodhani, QA/QC Director at 10:46 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP BNA. This data package contains results for TCLP BNA.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis. The
Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis except for FRAC TANK,due to matrix interference, which can be witnessed by the abnormal chromatogram. Although the internals are passing in the its associated MS/MSD they are near the border, therefore no further corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q2646-03MS} with File ID: BF143199.D recoveries met the requirements for all compounds except for 2-Methylphenol[158%] and Pyridine[0%],these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q2646-03MSD} with File ID : BF143200.D recoveries met the requirements for all compounds except for 2-Methylphenol[152%] and Pyridine[0%],these compounds did not meet the NJDKQP criteria and in-house criteriadue to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

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

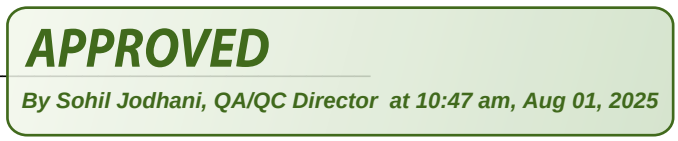
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the Requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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 

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP Pesticide. 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 were met for all analysis except for FRAC TANK [Tetrachloro-m-xylene(1)44%], [Decachlorobiphenyl(2)50%]- These compounds did not meet the in-house criteria but met the NJDKQP criteria.
And for FRAC TANKRE [Tetrachloro-m-xylene(1)34%], this compound did not meet the in-house criteria but met the NJDKQP criteria. [Tetrachloro-m-xylene(2)181%], This compound did not meet the NJDKQP criteria and in-house criteria.. Sample reanalyzed to confirm results, original and Reanalysis both are reported.

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

The Continuous Calibration File ID PL096568.D met the requirements except for Decachlorobiphenyl is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

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 Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

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

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

The Continuous Calibration File ID PO112410.D met the requirements except for Aroclor-1016(Peak-04),Aroclor-1260(Peak-05)is failing in 2nd column but 1st column passing for that while, Decachlorobiphenyl is failing in 1st column AND Decachlorobiphenyl is failing in 2nd column both column failing bias low for DCB but associated samples are passing for this therefore no corrective action taken.

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.

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

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 Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP Herbicide. 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 #: 11324. The 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 were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q2641-02MS} with File ID: PS031234.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)155% - 2,4,5-TP(Silvex)(2)153%] and [2,4-D(1)161% - 2,4-D(2)172%]. These compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q2641-02MSD} with File ID: PS031235.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)148% - 2,4,5-TP(Silvex)(2)145%] and [2,4-D(1)152% - 2,4-D(2)162%]. These compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
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 Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
2 Water samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: BTU (sub), Flash Point, Mercury, Metals CLP Full, Metals ICP-TAL, PCB, pH, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TOX (sub), TSS 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 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (ELMORA-WATERMS) analysis met criteria for all compounds except for Mercury due to sample matrix interference.
The Matrix Spike Duplicate (ELMORA-WATERMSD) analysis met criteria for all compounds except for Mercury due to sample matrix interference.
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:

Sample Q2646-01 initial Volume taken 2 ml and final volume taken 25 ml for Digestion because of sample matrix is highly contaminated.

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 Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: TCLP ICP Metals,TCLP Mercury

A. Number of Samples and Date of Receipt:
2 Water samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: BTU (sub), Flash Point, Mercury, Metals CLP Full, Metals ICP-TAL, PCB, pH, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TOX (sub), TSS 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 compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (WC-6MS) analysis met criteria for all compounds except for Barium and Mercury due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (WC-6MSD) analysis met criteria for all compounds except for Barium and Mercury 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 (WC-6A) analysis met criteria for all compounds 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 Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: North Arlington, NJ
Project # N/A
Order ID # Q2646
Test Name: Flash Point,pH,TSS

A. Number of Samples and Date of Receipt:
2 Water samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Flash Point,pH,TSS. This data package contains results for Flash Point,pH,TSS.

C. Analytical Techniques:
The analysis of Flash Point was based on method 1010B, The analysis of pH was based on method 9040C and The analysis of TSS was based on method SM2540 D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for FRAC TANK of pH as sample was receive out of holding time.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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

Signature___ APPROVED
By Sohil Jodhani, QA/QC Director at 10:47 am, Aug 01, 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 #: Q2646

	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:** 08/01/2025

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

Hit Summary Sheet
SW-846

SDG No.: Q2646

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**FRAC TANK**								
Q2646-01	FRAC TANK	Water	Acetone		230		7.60	130	ug/L
Q2646-01	FRAC TANK	Water	Carbon Disulfide		8.70	J	1.10	25.0	ug/L
Q2646-01	FRAC TANK	Water	Methyl Acetate		7.50	J	1.40	25.0	ug/L
Q2646-01	FRAC TANK	Water	2-Butanone		1600		4.90	130	ug/L
Q2646-01	FRAC TANK	Water	m/p-Xylenes		9.00	J	1.20	50.0	ug/L
Q2646-01	FRAC TANK	Water	o-Xylene		5.30	J	0.60	25.0	ug/L
			Total Voc :		1860				
Q2646-01	FRAC TANK	Water	Ethanol	*	170	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Hexanal	*	170	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Propanol	*	330	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Butanol	*	69.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Pentane	*	84.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Dodecane	*	58.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Tridecane	*	75.2	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Phenyl-1-butene	*	42.5	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	2-Butanol, (R)-	*	910	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	2-Heptenal, (E)-	*	77.0	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Ethyl Acetate	*	38.2	J	1.60	25.0	ug/L
Q2646-01	FRAC TANK	Water	1,3,5-Trimethylbenzene	*	5.50	J	0.75	25.0	ug/L
Q2646-01	FRAC TANK	Water	1,2,4-Trimethylbenzene	*	28.3	J	0.70	25.0	ug/L
Q2646-01	FRAC TANK	Water	Naphthalene	*	8.20	J	1.00	25.0	ug/L
			Total Tics :		2070				
			Total Concentration:		3930				

SAMPLE DATA

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	25.0	ug/L
74-87-3	Chloromethane	1.60	U	1.60	25.0	ug/L
75-01-4	Vinyl Chloride	1.30	U	1.30	25.0	ug/L
74-83-9	Bromomethane	7.20	U	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	U	2.40	25.0	ug/L
75-69-4	Trichlorofluoromethane	1.70	U	1.70	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	1.20	U	1.20	25.0	ug/L
67-64-1	Acetone	230		7.60	130	ug/L
75-15-0	Carbon Disulfide	8.70	J	1.10	25.0	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	U	0.80	25.0	ug/L
79-20-9	Methyl Acetate	7.50	J	1.40	25.0	ug/L
75-09-2	Methylene Chloride	1.40	U	1.40	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	25.0	ug/L
75-34-3	1,1-Dichloroethane	1.20	U	1.20	25.0	ug/L
110-82-7	Cyclohexane	7.30	U	7.30	25.0	ug/L
78-93-3	2-Butanone	1600		4.90	130	ug/L
56-23-5	Carbon Tetrachloride	1.30	U	1.30	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	25.0	ug/L
74-97-5	Bromochloromethane	1.10	U	1.10	25.0	ug/L
67-66-3	Chloroform	1.30	U	1.30	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	25.0	ug/L
108-87-2	Methylcyclohexane	0.80	U	0.80	25.0	ug/L
71-43-2	Benzene	0.75	U	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	1.10	U	1.10	25.0	ug/L
79-01-6	Trichloroethene	0.47	U	0.47	25.0	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	1.00	25.0	ug/L
75-27-4	Bromodichloromethane	1.10	U	1.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	130	ug/L
108-88-3	Toluene	0.70	U	0.70	25.0	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	25.0	ug/L
591-78-6	2-Hexanone	4.50	U	4.50	130	ug/L
124-48-1	Dibromochloromethane	0.90	U	0.90	25.0	ug/L
106-93-4	1,2-Dibromoethane	0.75	U	0.75	25.0	ug/L
127-18-4	Tetrachloroethene	1.20	U	1.20	25.0	ug/L
108-90-7	Chlorobenzene	0.60	U	0.60	25.0	ug/L
100-41-4	Ethyl Benzene	0.65	U	0.65	25.0	ug/L
179601-23-1	m/p-Xylenes	9.00	J	1.20	50.0	ug/L
95-47-6	o-Xylene	5.30	J	0.60	25.0	ug/L
100-42-5	Styrene	0.75	U	0.75	25.0	ug/L
75-25-2	Bromoform	0.95	U	0.95	25.0	ug/L
98-82-8	Isopropylbenzene	0.60	U	0.60	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1.00	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	8.206			
540-36-3	1,4-Difluorobenzene	274000	9.088			
3114-55-4	Chlorobenzene-d5	259000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.77			
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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-66-0	Pentane	84.6	J		3.65	ug/L
000064-17-5	Ethanol	170	J		3.79	ug/L
000071-23-8	1-Propanol	330	J		6.72	ug/L
141-78-6	Ethyl Acetate	38.2	J		7.55	ug/L
014898-79-4	2-Butanol, (R)-	910	J		7.77	ug/L
000071-36-3	1-Butanol	69.6	J		9.26	ug/L
000066-25-1	Hexanal	170	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	5.50	J		13.2	ug/L
018829-55-5	2-Heptenal, (E)-	77.0	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	28.3	J		13.5	ug/L
000112-40-3	Dodecane	58.6	J		14.9	ug/L
000824-90-8	1-Phenyl-1-butene	42.5	J		15.0	ug/L
91-20-3	Naphthalene	8.20	J		15.6	ug/L
000629-50-5	Tridecane	75.2	J		15.8	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2646-01	FRAC TANK	1,2-Dichloroethane-d4	50	51.3	103		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	52.0	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VN0721WBL01	VN0721WBL01	1,2-Dichloroethane-d4	50	54.7	109		70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103		70 (75)	130 (124)
		Toluene-d8	50	51.0	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93		70 (77)	130 (121)
VN0721WBS01	VN0721WBS01	1,2-Dichloroethane-d4	50	47.3	95		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	50.4	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100		70 (77)	130 (121)
VN0721WBSD0	VN0721WBSD01	1,2-Dichloroethane-d4	50	47.2	94		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	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.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	Dichlorodifluoromethane	20	21.9	ug/L	110			40 (69)	160 (116)	
	Chloromethane	20	18.8	ug/L	94			40 (65)	160 (116)	
	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	19.2	ug/L	96			40 (58)	160 (125)	
	Chloroethane	20	18.1	ug/L	91			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.1	ug/L	96			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.1	ug/L	91			70 (74)	130 (110)	
	Acetone	100	85.8	ug/L	86			40 (60)	160 (125)	
	Carbon disulfide	20	18.4	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	17.6	ug/L	88			70 (67)	130 (125)	
	Methylene Chloride	20	17.3	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.6	ug/L	88			70 (78)	130 (112)	
	Cyclohexane	20	20.1	ug/L	101			70 (75)	130 (110)	
	2-Butanone	100	86.4	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			70 (77)	130 (110)	
	Bromochloromethane	20	17.8	ug/L	89			70 (70)	130 (124)	
	Chloroform	20	17.9	ug/L	90			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			70 (80)	130 (108)	
	Methylcyclohexane	20	20.9	ug/L	104			70 (72)	130 (115)	
	Benzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	18.3	ug/L	92			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	92.0	ug/L	92			40 (74)	160 (118)	
	Toluene	20	19.2	ug/L	96			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			70 (83)	130 (112)	
	2-Hexanone	100	91.6	ug/L	92			40 (73)	160 (117)	
	Dibromochloromethane	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.4	ug/L	87			70 (81)	130 (110)	
	Tetrachloroethene	20	18.3	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.1	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	39.5	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	18.4	ug/L	92			70 (83)	130 (109)	
	Styrene	20	19.3	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	18.2	ug/L	91			70 (79)	130 (109)	
	Isopropylbenzene	20	19.5	ug/L	98			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			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.:	**Q2646**	**Analytical Method:**	**SW8260-Low**
Client:	**Environmental Restoration, LLC**	**Datafile :**	VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			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.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	Dichlorodifluoromethane	20	22.4	ug/L	112	2		40 (69)	160 (116)	20 (19)
	Chloromethane	20	18.8	ug/L	94	0		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	19.0	ug/L	95	0		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.8	ug/L	99	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.5	ug/L	93	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.7	ug/L	99	3		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	4		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	17.6	ug/L	88	3		70 (74)	130 (110)	20 (20)
	Acetone	100	83.3	ug/L	83	4		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.6	ug/L	93	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.3	ug/L	92	4		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.7	ug/L	89	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	1		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	18.2	ug/L	91	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.8	ug/L	99	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	88.2	ug/L	88	2		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.8	ug/L	99	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.6	ug/L	93	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.4	ug/L	92	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.9	ug/L	95	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	20.9	ug/L	104	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.2	ug/L	96	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.8	ug/L	94	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	0		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.3	ug/L	97	0		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	18.8	ug/L	94	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	94.0	ug/L	94	2		40 (74)	160 (118)	20 (25)
	Toluene	20	19.5	ug/L	98	2		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	18.6	ug/L	93	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.6	ug/L	98	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.7	ug/L	94	2		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	18.4	ug/L	92	2		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.9	ug/L	95	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.3	ug/L	97	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.6	ug/L	93	0		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.7	ug/L	94	3		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	38.8	ug/L	97	2		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.8	ug/L	94	2		70 (83)	130 (109)	20 (20)
	Styrene	20	19.4	ug/L	97	0		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.8	ug/L	94	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.3	ug/L	97	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.4	ug/L	92	2		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.7	ug/L	99	2		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.:	**Q2646**	**Analytical Method:**	**SW8260-Low**
Client:	**Environmental Restoration, LLC**	**Datafile :**	VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93	4		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92	3		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0721WBL01

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087370.D | Lab Sample ID: VN0721WBL01

Date Analyzed: 07/21/2025 | Time Analyzed: 11:34

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
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025
FRAC TANK	Q2646-01	VN087373.D	07/21/2025

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: Alliance
Contract: ENVI60
Lab Code: ACE
SDG NO.: Q2646
Lab File ID: VN087327.D
BFB Injection Date: 07/16/2025
Instrument ID: MSVOA_N
BFB Injection Time: 16:10
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087367.D | BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:05

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	21.1
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087368.D	07/21/2025	10:38
VN0721WBL01	VN0721WBL01	VN087370.D	07/21/2025	11:34
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025	11:55
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025	12:30
FRAC TANK	Q2646-01	VN087373.D	07/21/2025	12:51

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202357	8.21	342303	9.08	307825	11.85
UPPER LIMIT	404714	8.706	684606	9.583	615650	12.347
LOWER LIMIT	101179	7.706	171152	8.583	153913	11.347
EPA SAMPLE NO.						
FRAC TANK	144360	8.21	274202	9.09	259490	11.85
VN0721WBL01	164239	8.21	328305	9.08	300772	11.85
VN0721WBS01	195078	8.21	337215	9.09	308523	11.85
VN0721WBSD01	190787	8.21	328848	9.08	296338	11.85

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: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS4 AREA #	RT #				
12 HOUR STD	162263	13.77				
UPPER LIMIT	324526	14.27				
LOWER LIMIT	81131.5	13.27				
EPA SAMPLE NO.						
FRAC TANK	124607	13.77				
VN0721WBL01	133337	13.77				
VN0721WBS01	161452	13.77				
VN0721WBSD01	158557	13.77				

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

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	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.212			
540-36-3	1,4-Difluorobenzene	328000	9.083			
3114-55-4	Chlorobenzene-d5	301000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.771			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.9		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
67-64-1	Acetone	85.8		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.50	5.00	ug/L
78-93-3	2-Butanone	86.4		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	18.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.22	1.00	ug/L
67-66-3	Chloroform	17.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.0		0.68	5.00	ug/L
108-88-3	Toluene	19.2		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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.206			
540-36-3	1,4-Difluorobenzene	337000	9.088			
3114-55-4	Chlorobenzene-d5	309000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.77			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
67-64-1	Acetone	83.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.8		1.50	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.22	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.0		0.68	5.00	ug/L
108-88-3	Toluene	19.5		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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	93.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	1.00	ug/L
100-42-5	Styrene	19.4		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.206			
540-36-3	1,4-Difluorobenzene	329000	9.082			
3114-55-4	Chlorobenzene-d5	296000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.77			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG No.: Q2646

Instrument ID: MSVOA_N | Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.443	0.443	0.623	0.606	0.625	0.531	18
Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.7
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.2
Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	7
Trichlorofluoromethane	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.8
1,1,2-Trichlorotrifluoroethane	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.3
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.2
Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.2
Methyl tert-butyl Ether	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.9
Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	3
Methylene Chloride	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.7
trans-1,2-Dichloroethene	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.7
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.2
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
Bromochloromethane	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.6
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.6
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,2-Dichloropropane	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.9
Bromodichloromethane	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.2
4-Methyl-2-Pentanone	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.8
Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.9

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG No.: Q2646

Instrument ID: MSVOA_N | Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.1
cis-1,3-Dichloropropene	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.4
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.9
Dibromochloromethane	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.4
1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7
m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.2
o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.4
Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.6
Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.7
Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.9
1,1,2,2-Tetrachloroethane	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.4
1,3-Dichlorobenzene	1.448	1.592	1.651	1.658	1.588	1.674	1.602	5.2
1,4-Dichlorobenzene	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.6
1,2-Dichlorobenzene	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.2
1,2-Dibromo-3-Chloropropane	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.8
1,2,4-Trichlorobenzene	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.9
1,2,3-Trichlorobenzene	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.4
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG No.: Q2646
Instrument ID: MSVOA_N
Calibration Date/Time: 07/21/2025 10:38
Lab File ID: VN087368.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.531	0.655		23.35	20
Chloromethane	0.668	0.678	0.1	1.5	20
Vinyl Chloride	0.664	0.725		9.19	20
Bromomethane	0.344	0.335		-2.62	20
Chloroethane	0.433	0.443		2.31	20
Trichlorofluoromethane	0.981	1.080		10.09	20
1,1,2-Trichlorotrifluoroethane	0.504	0.578		14.68	20
1,1-Dichloroethene	0.571	0.556		-2.63	20
Acetone	0.398	0.354		-11.06	20
Carbon Disulfide	1.693	1.786		5.49	20
Methyl tert-butyl Ether	2.104	2.165		2.9	20
Methyl Acetate	0.999	0.952		-4.7	20
Methylene Chloride	0.766	0.680		-11.23	20
trans-1,2-Dichloroethene	0.644	0.639		-0.78	20
1,1-Dichloroethane	1.250	1.246	0.1	-0.32	20
Cyclohexane	1.043	1.138		9.11	20
2-Butanone	0.615	0.586		-4.72	20
Carbon Tetrachloride	0.502	0.596		18.73	20
cis-1,2-Dichloroethene	0.741	0.765		3.24	20
Bromochloromethane	0.598	0.602		0.67	20
Chloroform	1.251	1.287		2.88	20
1,1,1-Trichloroethane	1.084	1.134		4.61	20
Methylcyclohexane	0.493	0.642		30.22	20
Benzene	1.473	1.638		11.2	20
1,2-Dichloroethane	0.558	0.595		6.63	20
Trichloroethene	0.348	0.383		10.06	20
1,2-Dichloropropane	0.374	0.421		12.57	20
Bromodichloromethane	0.564	0.593		5.14	20
4-Methyl-2-Pentanone	0.646	0.672		4.03	20
Toluene	0.895	1.007		12.51	20
t-1,3-Dichloropropene	0.571	0.634		11.03	20
cis-1,3-Dichloropropene	0.590	0.666		12.88	20
1,1,2-Trichloroethane	0.362	0.377		4.14	20
2-Hexanone	0.429	0.471		9.79	20
Dibromochloromethane	0.413	0.442		7.02	20
1,2-Dibromoethane	0.381	0.399		4.72	20
Tetrachloroethene	0.322	0.364		13.04	20
Chlorobenzene	1.123	1.199	0.3	6.77	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: Alliance
Contract: ENVI60
Lab Code: ACE
SDG No.: Q2646
Instrument ID: MSVOA_N
Calibration Date/Time: 07/21/2025 10:38
Lab File ID: VN087368.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.848	2.112		14.29	20
m/p-Xylenes	0.692	0.827		19.51	20
o-Xylene	0.661	0.783		18.46	20
Styrene	1.112	1.331		19.69	20
Bromoform	0.308	0.332	0.1	7.79	20
Isopropylbenzene	3.147	3.856		22.53	20
1,1,2,2-Tetrachloroethane	1.184	1.213	0.3	2.45	20
1,3-Dichlorobenzene	1.602	1.782		11.24	20
1,4-Dichlorobenzene	1.711	1.821		6.43	20
1,2-Dichlorobenzene	1.517	1.679		10.68	20
1,2-Dibromo-3-Chloropropane	0.311	0.293		-5.79	20
1,2,4-Trichlorobenzene	0.891	1.041		16.83	20
1,2,3-Trichlorobenzene	0.894	1.020		14.09	20
1,2-Dichloroethane-d4	0.848	0.831		-2.01	20
Dibromofluoromethane	0.345	0.356		3.19	20
Toluene-d8	1.230	1.321		7.4	20
4-Bromofluorobenzene	0.455	0.481		5.71	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\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:06:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

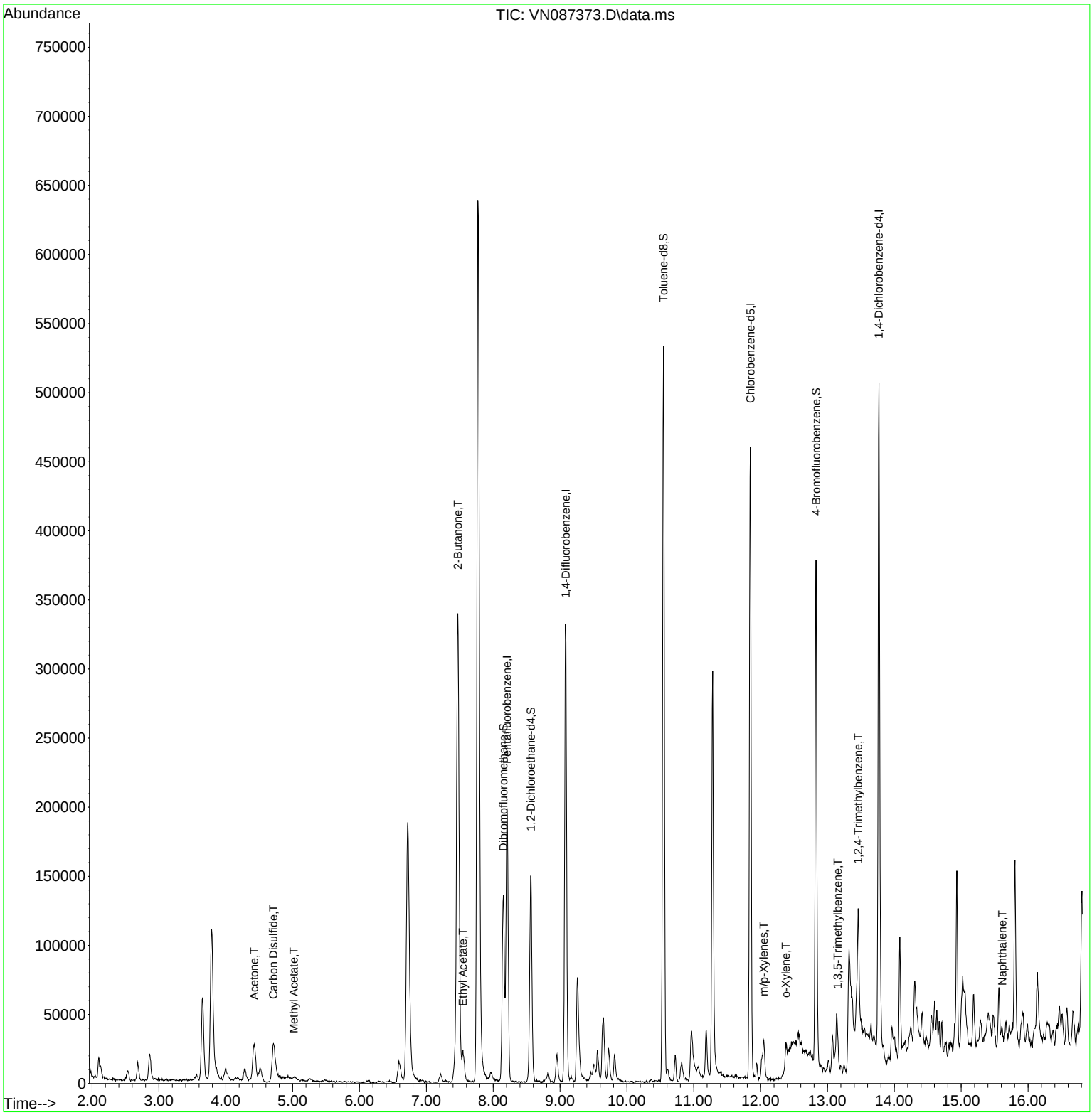
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	144360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	274202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	124607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	125765	51.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.680%			
35) Dibromofluoromethane	8.153	113	97049	51.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	10.547	98	350875	52.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.829	95	122788	49.259	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.520%			
Target Compounds						Qvalue
16) Acetone	4.424	43	52887	46.049	ug/l #	86
17) Carbon Disulfide	4.712	76	8453	1.730	ug/l #	89
18) Methyl Acetate	5.018	43	4330	1.501	ug/l #	85
25) 2-Butanone	7.471	43	575216	324.151	ug/l	99
37) Ethyl Acetate	7.547	43	27593	7.645	ug/l #	94
68) m/p-Xylenes	12.047	106	6458	1.798	ug/l	94
69) o-Xylene	12.376	106	3635	1.060	ug/l	88
80) 1,3,5-Trimethylbenzene	13.153	105	7307	1.094	ug/l	93
84) 1,2,4-Trimethylbenzene	13.459	105	38577	5.653	ug/l	98
95) Naphthalene	15.617	128	12847	1.633	ug/l #	94

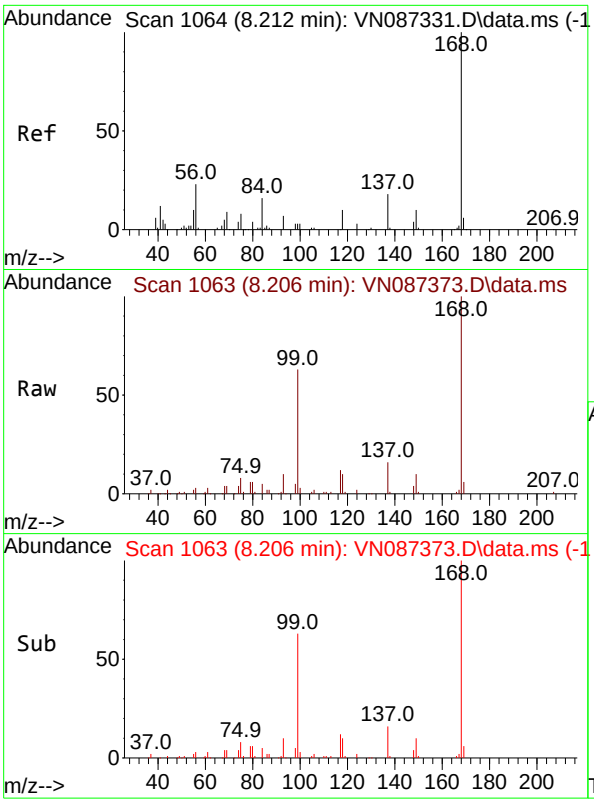
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:06:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



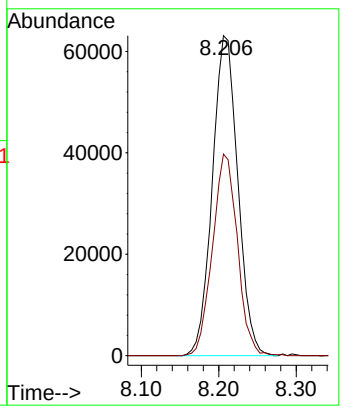


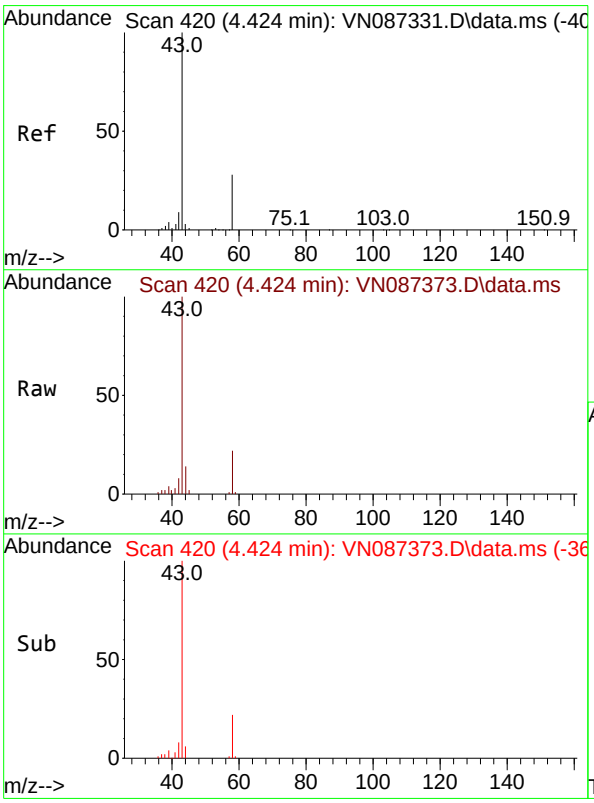
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:168 Resp: 144360

Ion	Ratio	Lower	Upper
168	100		
99	63.0	47.9	71.9

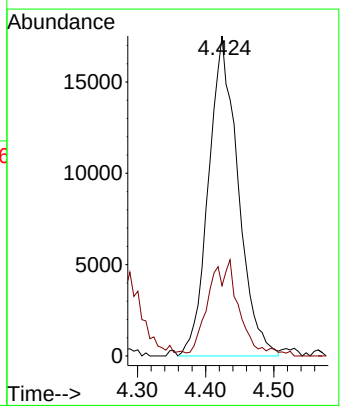


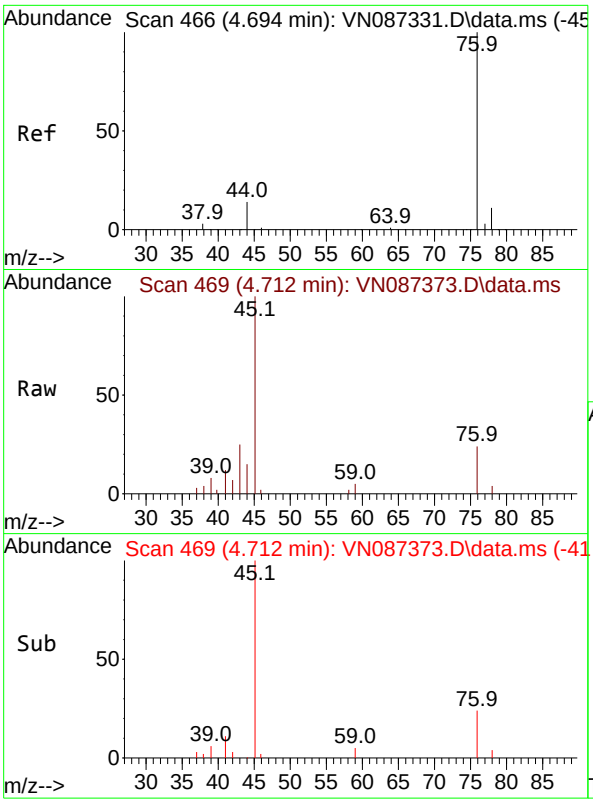


#16
Acetone
Concen: 46.049 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 52887

Ion	Ratio	Lower	Upper
43	100		
58	20.8	22.3	33.5#



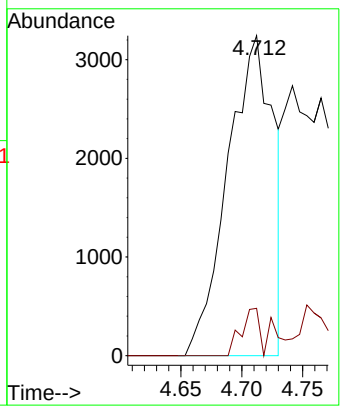


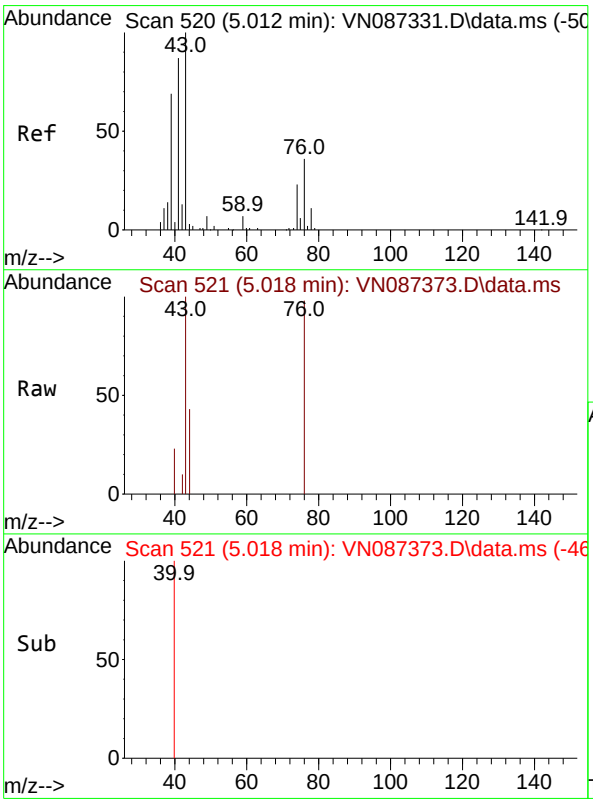
#17
Carbon Disulfide
Concen: 1.730 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 76 Resp: 8453

Ion	Ratio	Lower	Upper
76	100		
78	14.8	8.6	13.0#

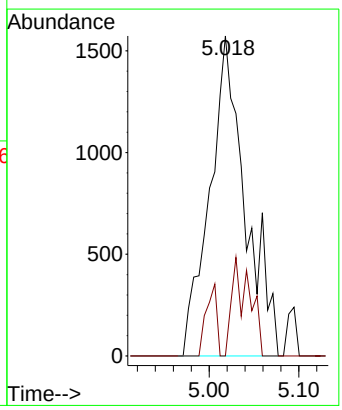


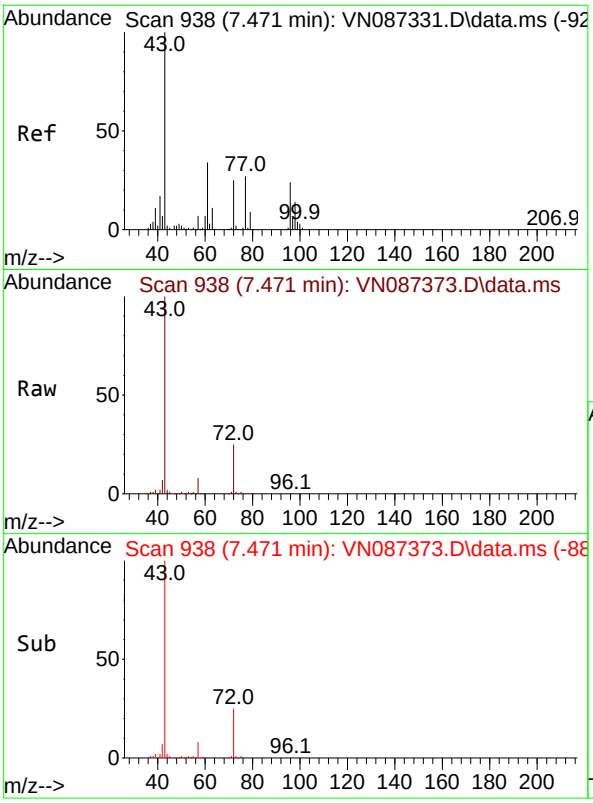


#18
Methyl Acetate
Concen: 1.501 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 4330

Ion	Ratio	Lower	Upper
43	100		
74	15.2	17.8	26.6#



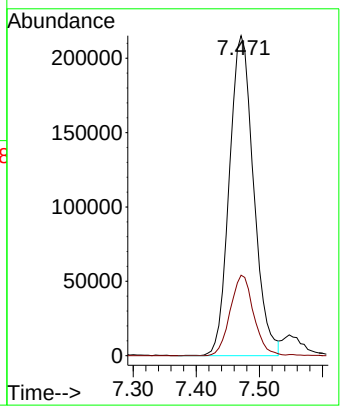


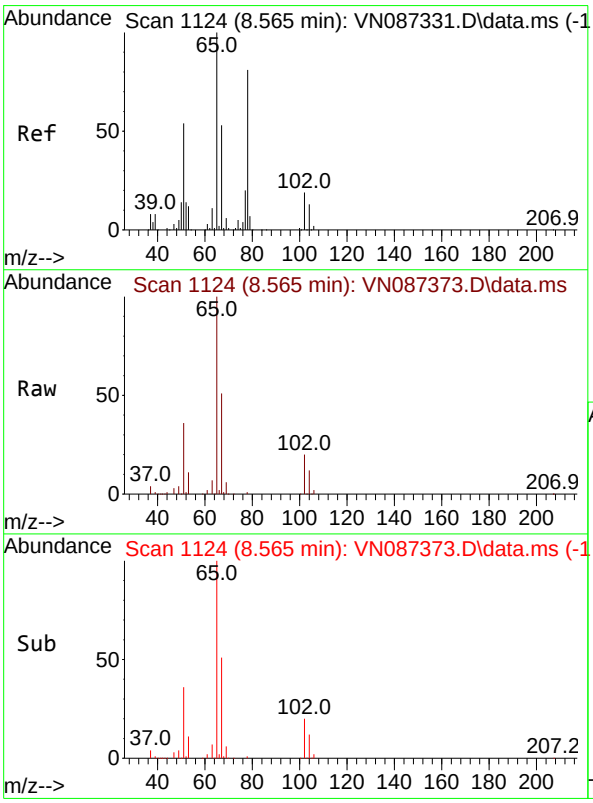
#25
2-Butanone
Concen: 324.151 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 575216

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.6	29.4

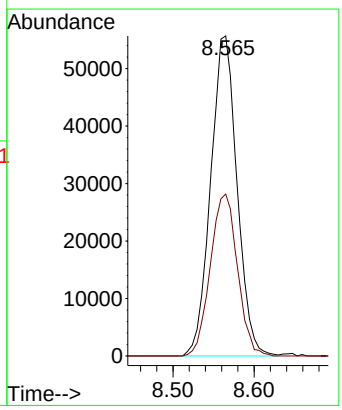


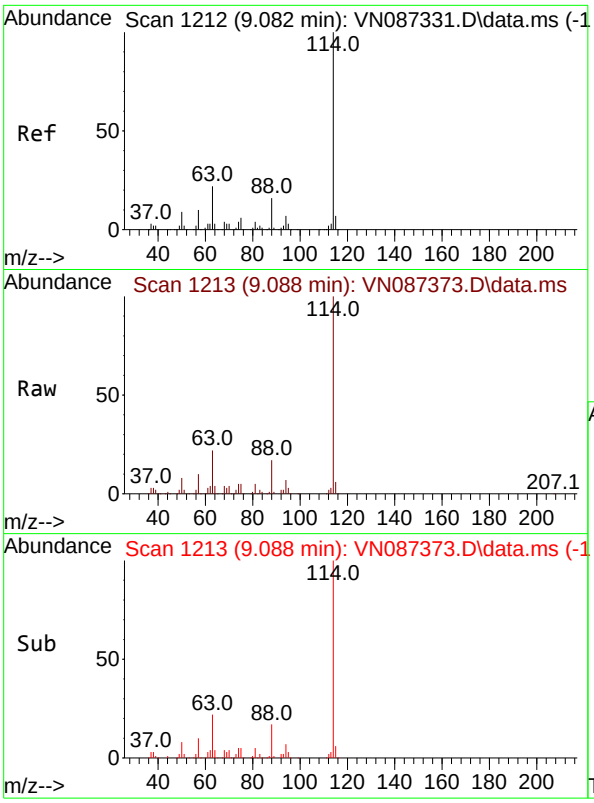


#33
1,2-Dichloroethane-d4
Concen: 51.344 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 65 Resp: 125765

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



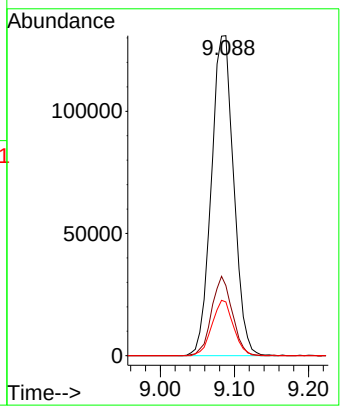


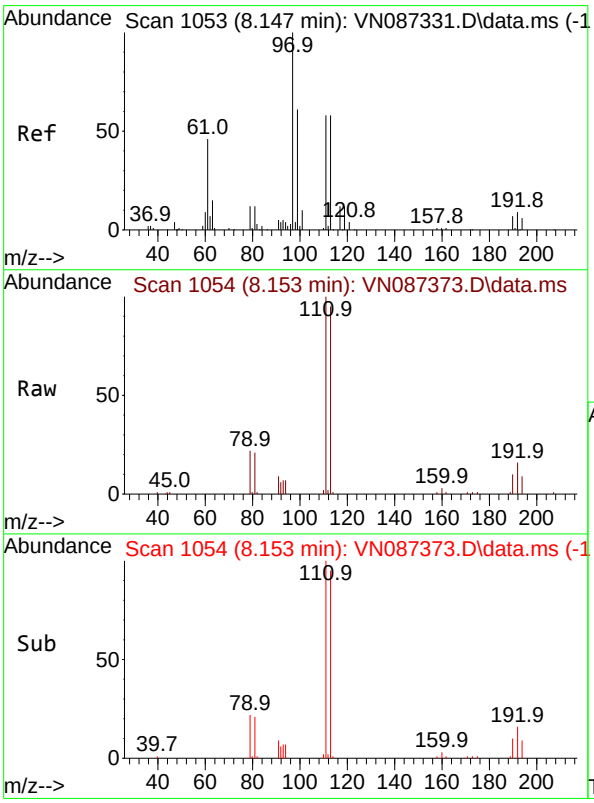
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:114 Resp: 274202

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.6
88	16.8	0.0	32.8

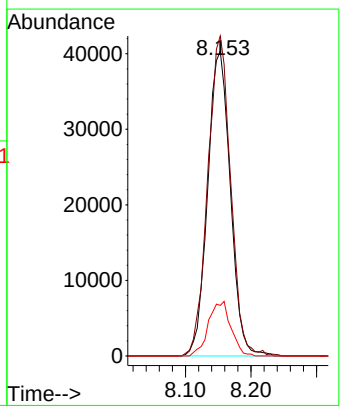


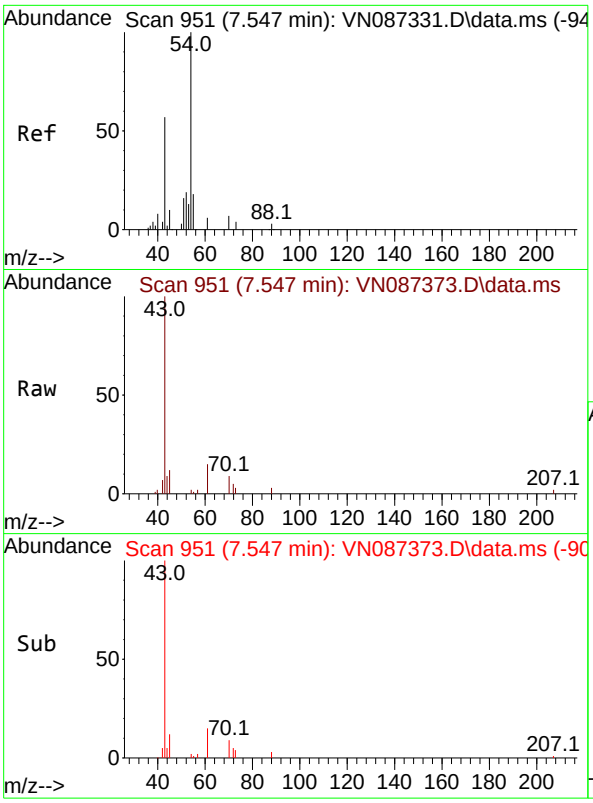


#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:113 Resp: 97049

Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.5	123.7
192	17.6	13.7	20.5



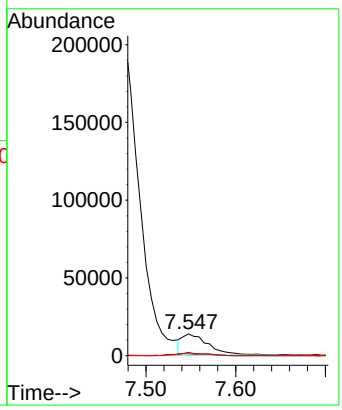


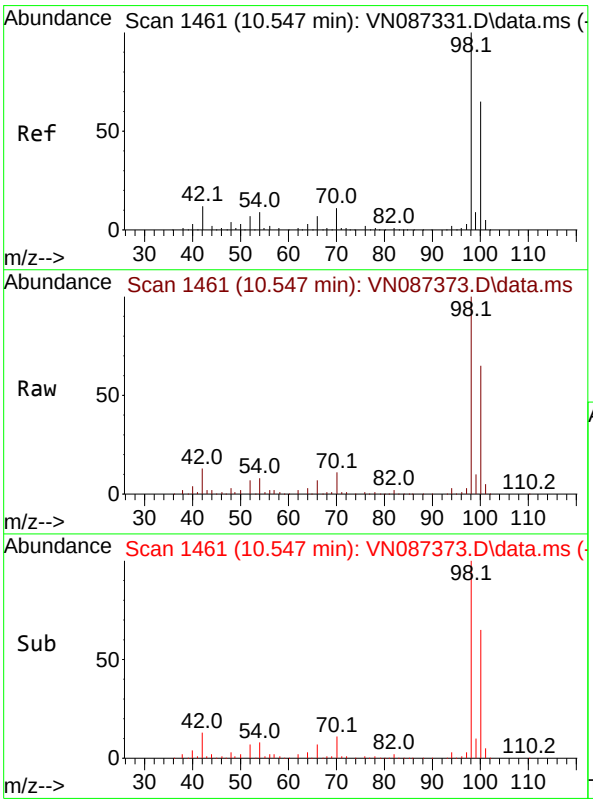
#37
Ethyl Acetate
Concen: 7.645 ug/l
RT: 7.547 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 27593

Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	11.4	7.4	11.0#

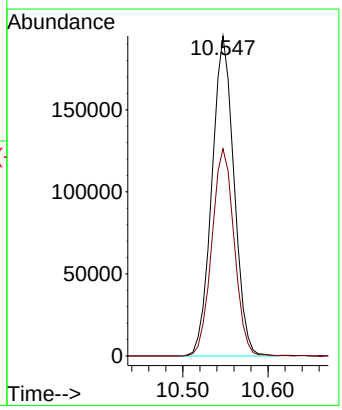


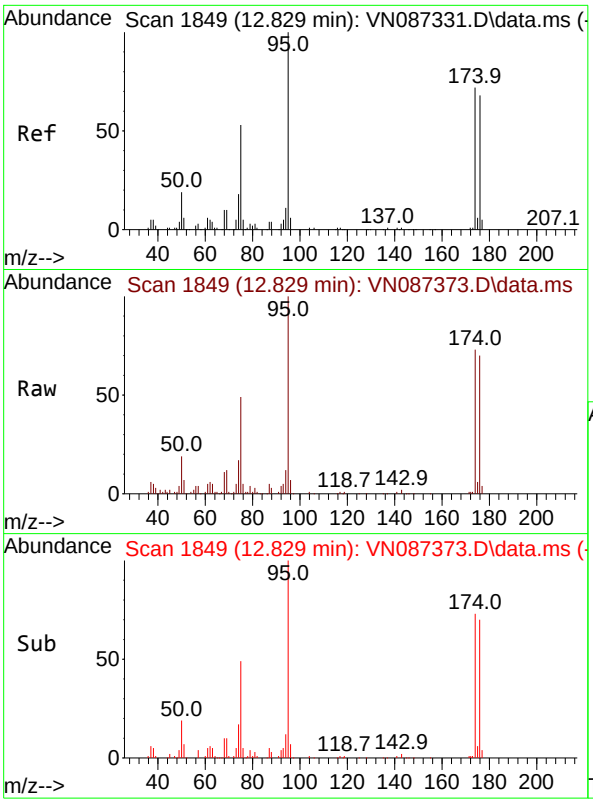


#50
Toluene-d8
Concen: 52.005 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 98 Resp: 350875

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1



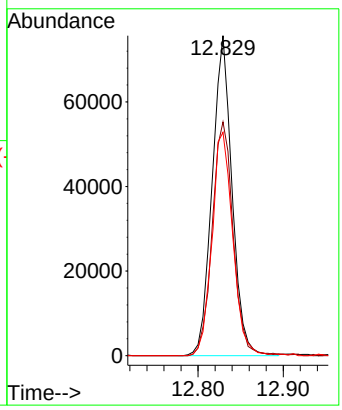


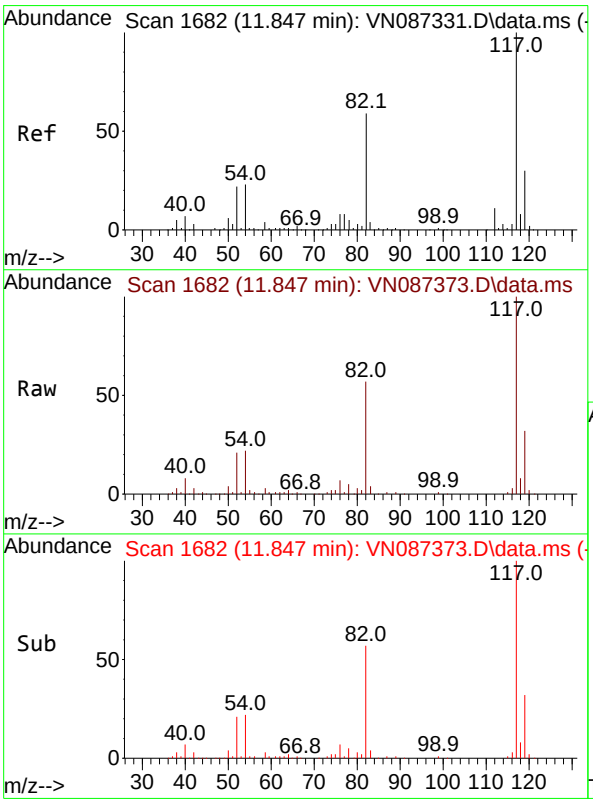
#62
4-Bromofluorobenzene
Concen: 49.259 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 95 Resp: 122788

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	149.4
176	73.5	0.0	141.2

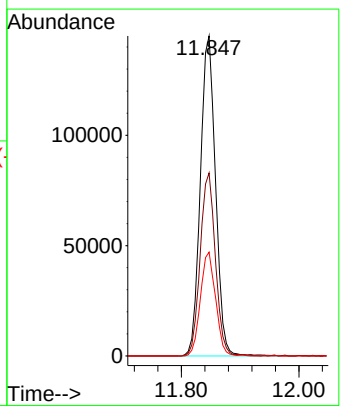




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

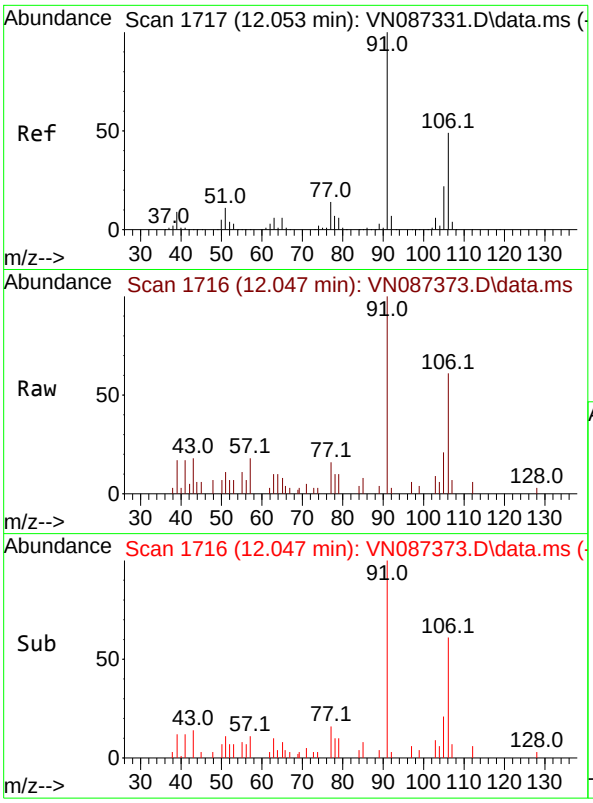
Tgt Ion:117 Resp: 259490

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.4	71.2
119	32.4	23.8	35.8



5

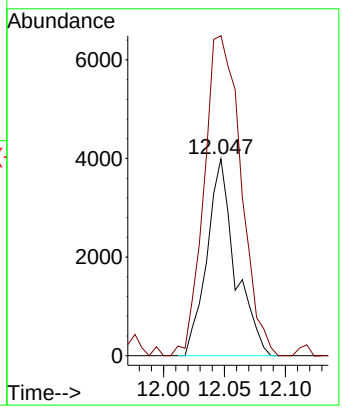
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

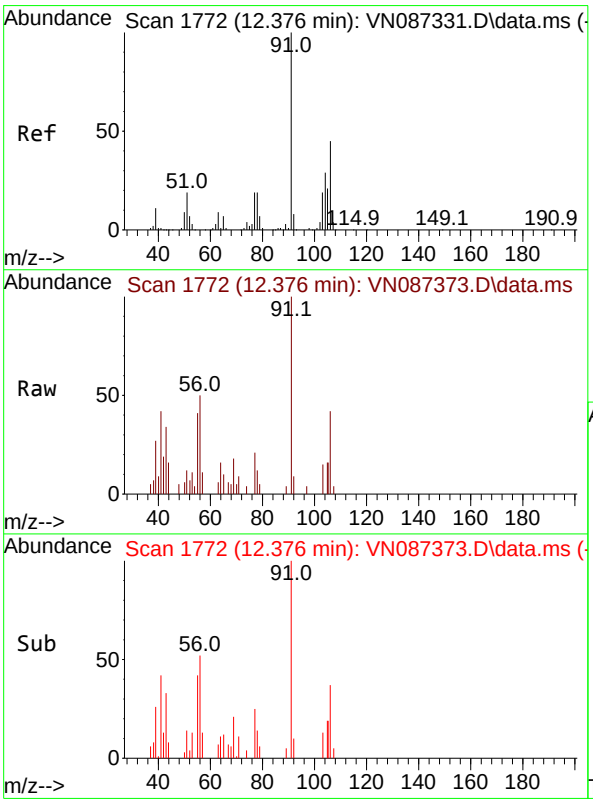


#68
m/p-Xylenes
Concen: 1.798 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:106 Resp: 6458

Ion	Ratio	Lower	Upper
106	100		
91	211.7	162.0	243.0

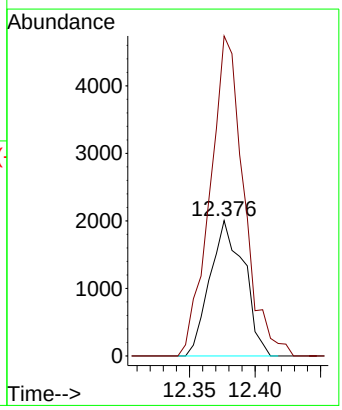


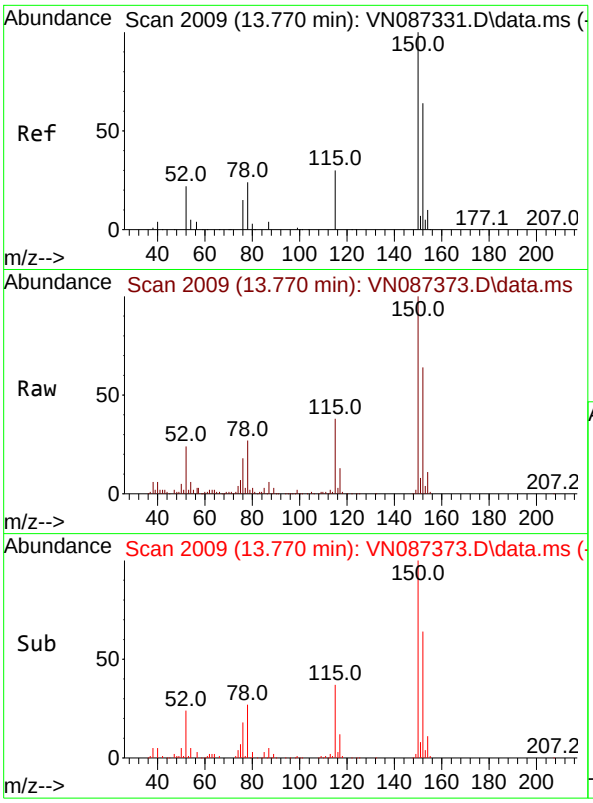


#69
o-Xylene
Concen: 1.060 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:106 Resp: 3635

Ion	Ratio	Lower	Upper
106	100		
91	233.9	107.7	323.3



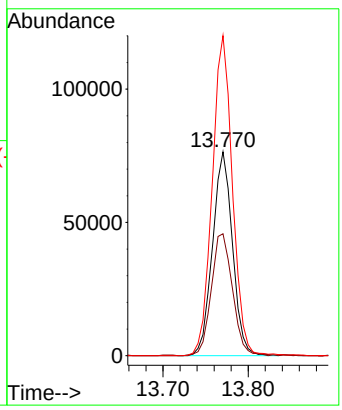


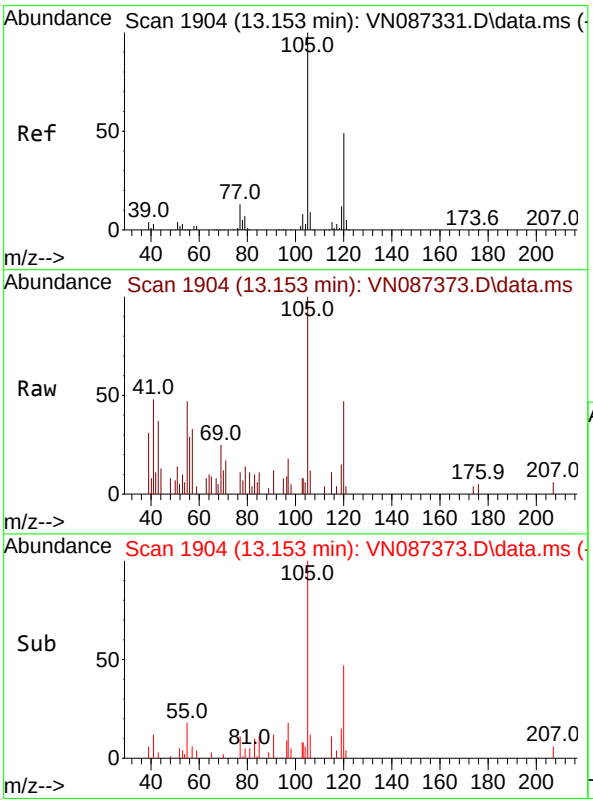
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:152 Resp: 124607

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.1	93.5
150	158.8	0.0	349.0

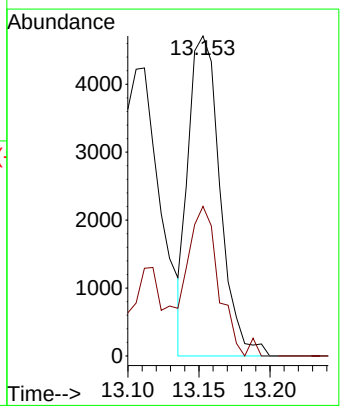


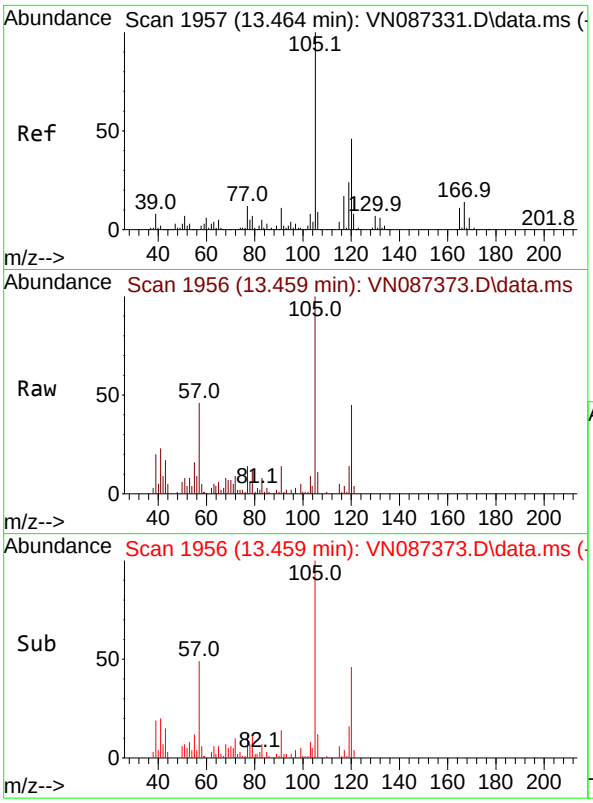


#80
1,3,5-Trimethylbenzene
Concen: 1.094 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:105 Resp: 7307

Ion	Ratio	Lower	Upper
105	100		
120	43.8	24.3	72.8



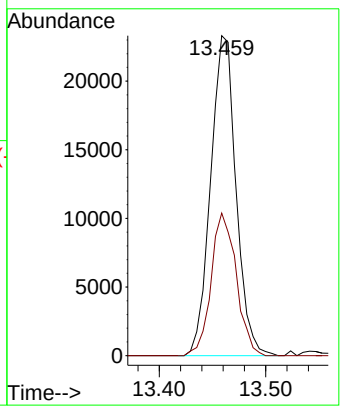


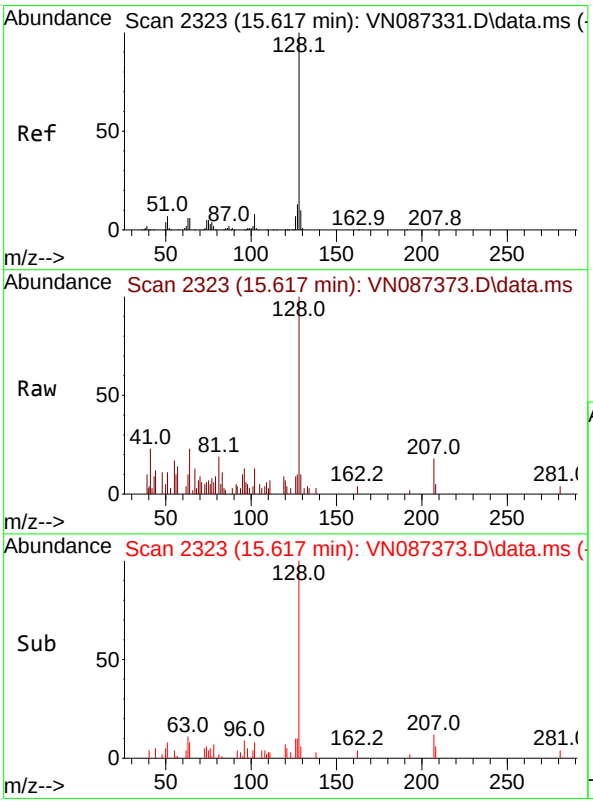
#84
1,2,4-Trimethylbenzene
Concen: 5.653 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:105 Resp: 38577

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.8	68.3

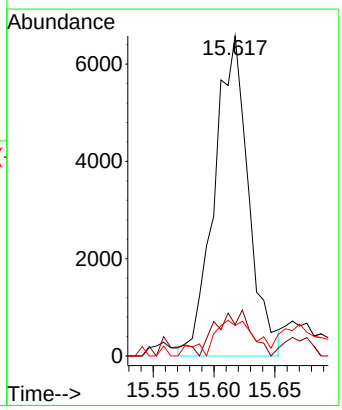




#95
Naphthalene
Concen: 1.633 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:128 Resp: 12847

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	14.2	8.4	12.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087373.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.101	19	25	28	rBV2	14105	23887	1.44%	0.182%
2	2.683	117	124	134	rBV	13316	26566	1.61%	0.202%
3	2.859	147	154	164	rBV2	19082	47889	2.89%	0.364%
4	3.653	280	289	301	rBV	59507	153096	9.25%	1.164%
5	3.789	302	312	323	rBV	107651	310010	18.74%	2.357%
6	4.000	339	348	358	rBV5	8944	26221	1.58%	0.199%
7	4.289	390	397	406	rVB4	8399	22567	1.36%	0.172%
8	4.424	410	420	429	rVV2	26914	87940	5.31%	0.669%
9	4.512	429	435	449	rVB5	10433	32925	1.99%	0.250%
10	4.712	459	469	480	rBV2	27742	102192	6.18%	0.777%
11	6.589	779	788	799	rBV3	15389	47918	2.90%	0.364%
12	6.724	799	811	830	rVV	186736	599800	36.25%	4.560%
13	7.471	919	938	948	rBV	339494	950104	57.42%	7.222%
14	7.547	948	951	963	rVB	22435	50589	3.06%	0.385%
15	7.771	978	989	1005	rBV	638354	1654652	100.00%	12.578%
16	8.153	1044	1054	1058	rBV2	134146	322564	19.49%	2.452%
17	8.206	1058	1063	1077	rVB	197894	452389	27.34%	3.439%
18	8.565	1110	1124	1134	rBV	149800	360303	21.78%	2.739%
19	8.818	1158	1167	1174	rVB5	7170	19397	1.17%	0.147%
20	8.953	1183	1190	1199	rBV4	20454	46968	2.84%	0.357%
21	9.082	1203	1212	1222	rBV	331630	687726	41.56%	5.228%
22	9.259	1235	1242	1254	rBV3	75129	191421	11.57%	1.455%
23	9.506	1279	1284	1289	rVV4	11583	29167	1.76%	0.222%
24	9.559	1289	1293	1300	rVV	21787	42075	2.54%	0.320%
25	9.647	1300	1308	1316	rVV5	45294	113558	6.86%	0.863%
26	9.724	1316	1321	1331	rVB2	22821	45214	2.73%	0.344%
27	9.812	1331	1336	1346	rBV	18197	37848	2.29%	0.288%
28	10.547	1453	1461	1468	rBV	531867	973527	58.84%	7.401%
29	10.724	1483	1491	1499	rVB4	19336	34090	2.06%	0.259%
30	10.818	1499	1507	1514	rBV8	13750	35451	2.14%	0.269%
31	10.965	1524	1532	1545	rBV3	36215	119181	7.20%	0.906%
32	11.188	1561	1570	1579	rBV3	33898	69319	4.19%	0.527%
33	11.282	1579	1586	1602	rVV	292544	542496	32.79%	4.124%
34	11.847	1674	1682	1691	rBV	456602	819883	49.55%	6.233%
35	11.941	1694	1698	1703	rVB2	11668	17888	1.08%	0.136%
36	12.047	1703	1716	1724	rBV5	28480	82327	4.98%	0.626%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

37	12.376	1760	1772	1773	rBV5	26707	43388	2.62%	0.330%
38	12.829	1842	1849	1859	rVB	367304	628903	38.01%	4.781%
39	13.076	1885	1891	1895	rBV	26155	48795	2.95%	0.371%
40	13.141	1895	1902	1910	rVB4	40286	91085	5.50%	0.692%
41	13.323	1925	1933	1939	rBV6	89387	256110	15.48%	1.947%
42	13.459	1948	1956	1965	rBV3	88044	191070	11.55%	1.452%
43	13.770	2002	2009	2018	rVB	480561	832331	50.30%	6.327%
44	13.965	2037	2042	2046	rBV4	23265	48829	2.95%	0.371%
45	14.082	2057	2062	2067	rBV2	87913	140817	8.51%	1.070%
46	14.247	2083	2090	2095	rBV7	16345	43563	2.63%	0.331%
47	14.306	2095	2100	2104	rBV5	43898	91727	5.54%	0.697%
48	14.417	2116	2119	2126	rVB3	22868	36234	2.19%	0.275%
49	14.553	2138	2142	2146	rBV6	19687	37201	2.25%	0.283%
50	14.606	2147	2151	2154	rVV3	30868	47643	2.88%	0.362%
51	14.635	2154	2156	2159	rVV3	23960	27029	1.63%	0.205%
52	14.670	2160	2162	2165	rVB2	18599	16741	1.01%	0.127%
53	14.712	2165	2169	2173	rVB6	21675	27745	1.68%	0.211%
54	14.900	2196	2201	2202	rBV3	20011	21062	1.27%	0.160%
55	14.935	2202	2207	2213	rVB2	126933	194907	11.78%	1.482%
56	15.023	2215	2222	2227	rBV6	48816	141552	8.55%	1.076%
57	15.188	2244	2250	2256	rVB2	37481	70630	4.27%	0.537%
58	15.288	2263	2267	2274	rVB8	15165	28766	1.74%	0.219%
59	15.476	2297	2299	2307	rVB7	22528	46058	2.78%	0.350%
60	15.564	2309	2314	2318	rBV3	42550	71377	4.31%	0.543%
61	15.670	2329	2332	2337	rVB6	12309	17400	1.05%	0.132%
62	15.806	2349	2355	2366	rVB	135344	250431	15.13%	1.904%
63	15.917	2366	2374	2381	rBV9	25208	76469	4.62%	0.581%
64	16.100	2399	2405	2406	rBV4	14352	28090	1.70%	0.214%
65	16.141	2407	2412	2422	rVB8	50113	111729	6.75%	0.849%
66	16.288	2432	2437	2440	rBV7	12136	25816	1.56%	0.196%
67	16.376	2447	2452	2456	rVB7	11109	20805	1.26%	0.158%
68	16.429	2456	2461	2462	rBV5	14637	23152	1.40%	0.176%
69	16.470	2464	2468	2472	rVV7	25855	51101	3.09%	0.388%
70	16.511	2472	2475	2480	rVB7	22335	38626	2.33%	0.294%
71	16.582	2482	2487	2497	rVB6	27321	53048	3.21%	0.403%
72	16.670	2497	2502	2510	rVB7	25857	62111	3.75%	0.472%
73	16.758	2510	2517	2518	rBV7	16366	33305	2.01%	0.253%

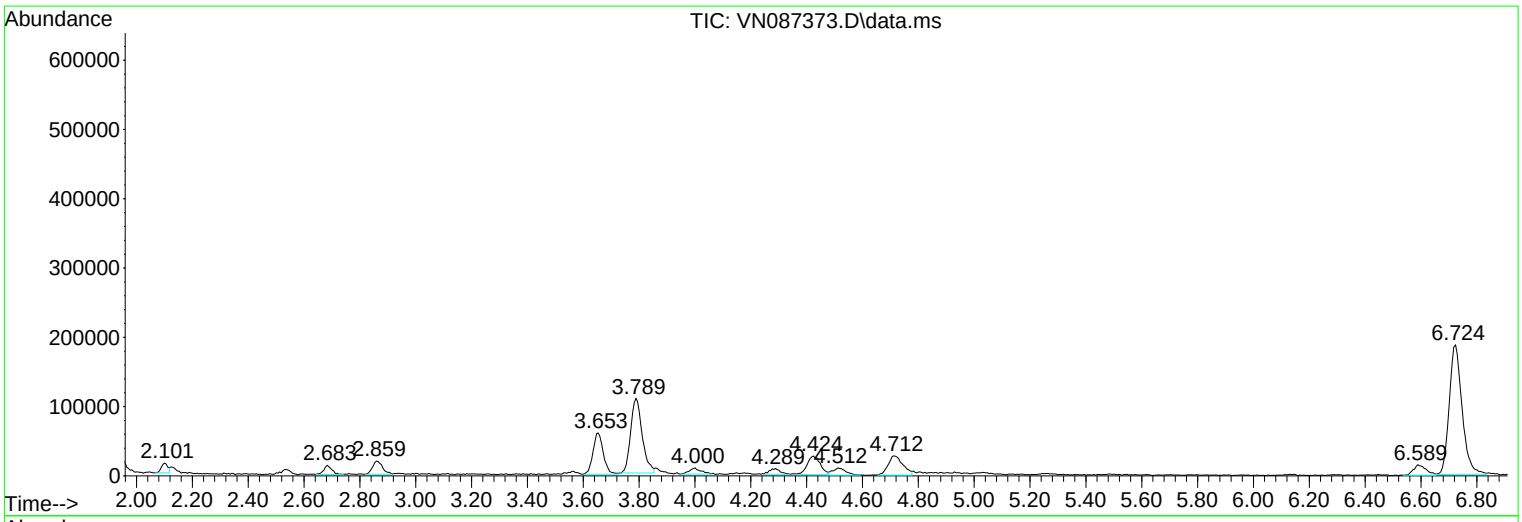
Sum of corrected areas: 13154794

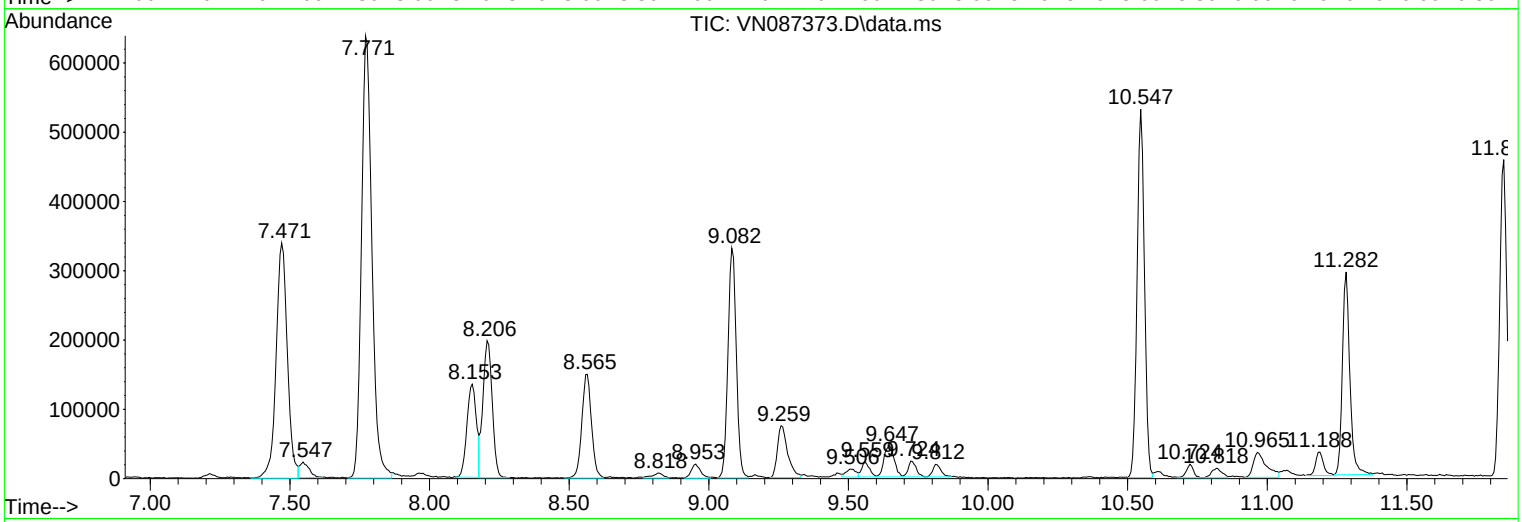
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

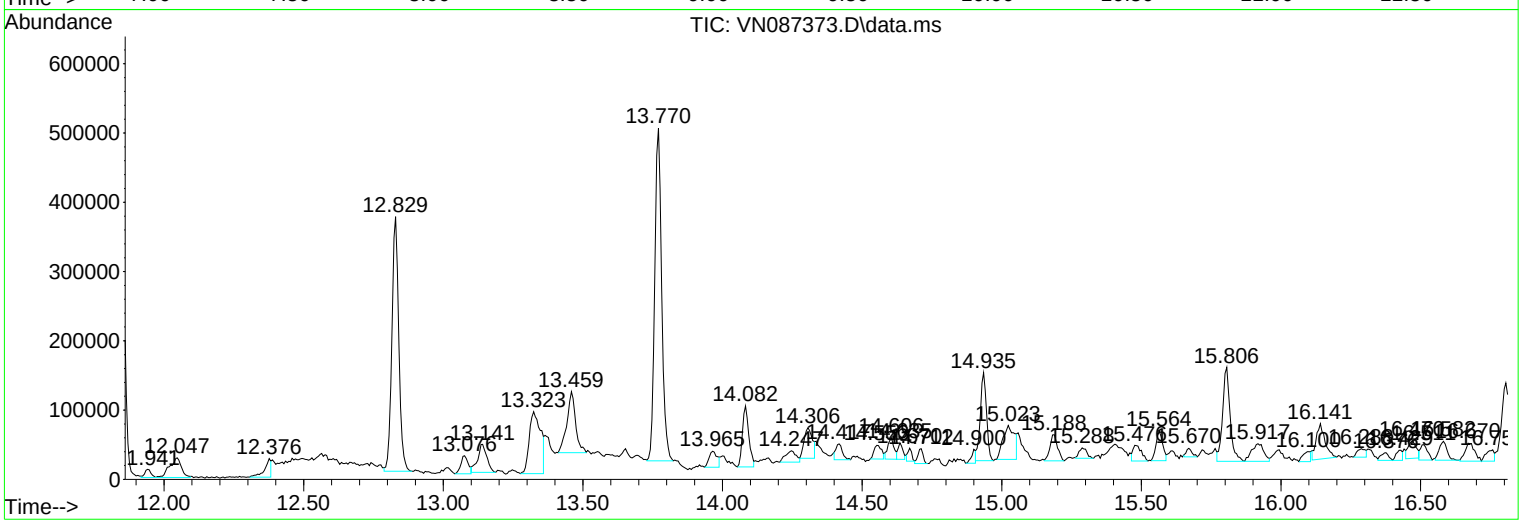
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

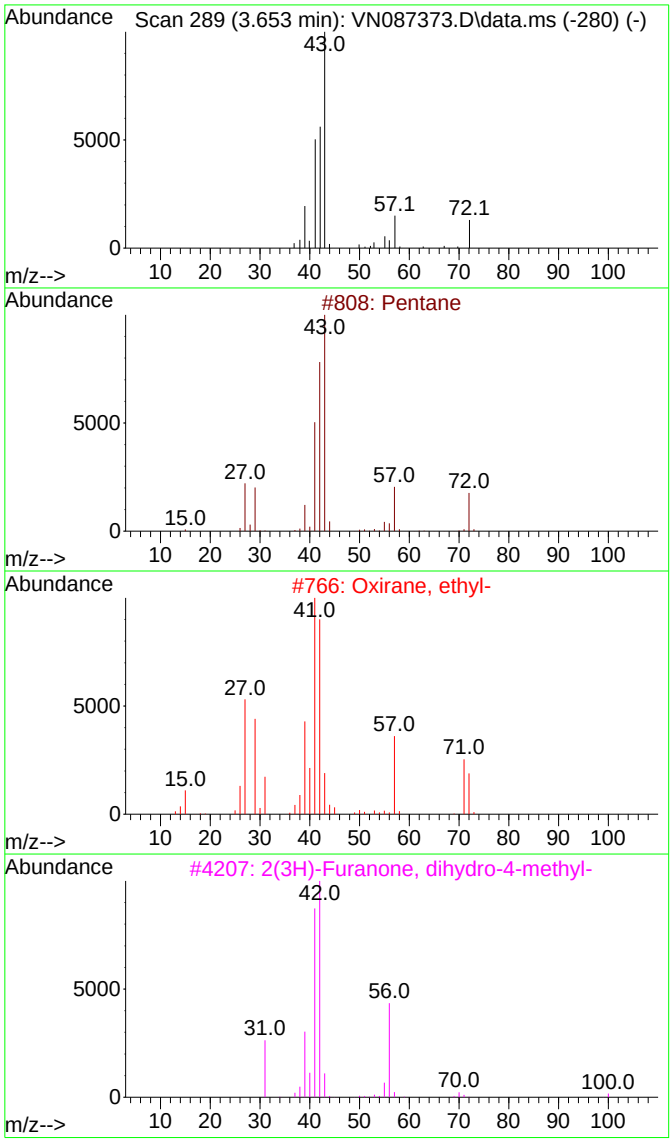
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

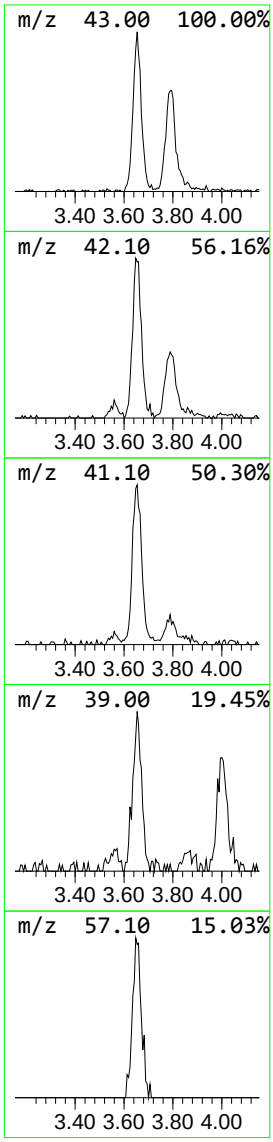
****

Peak Number 1 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.653	16.92 ug/l	153096	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
3	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

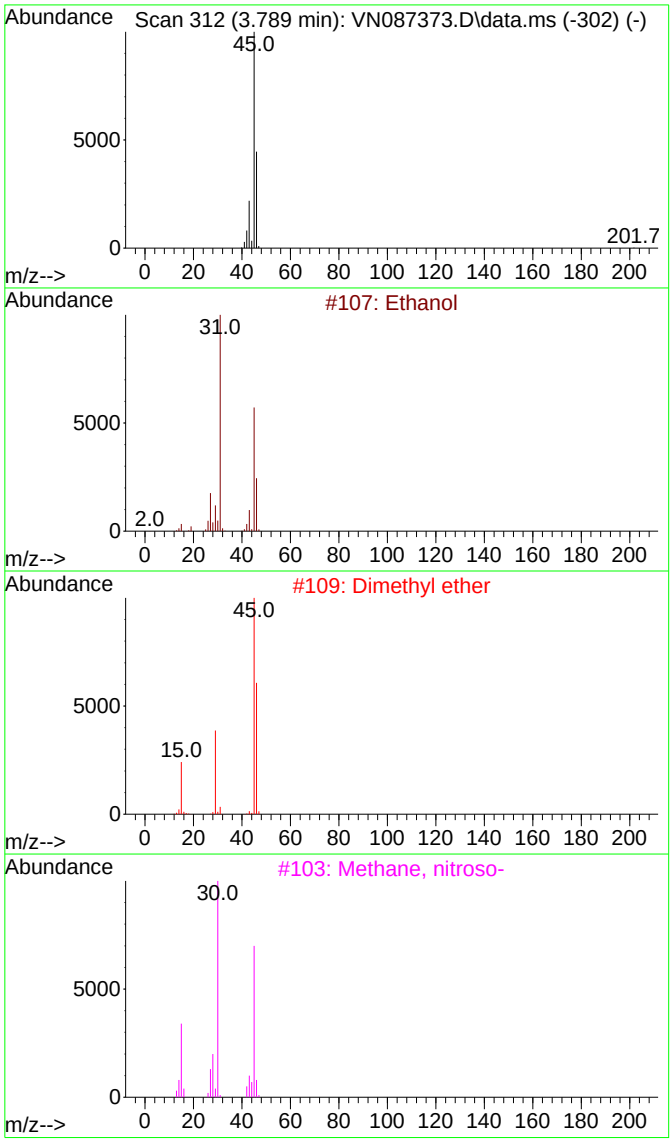
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

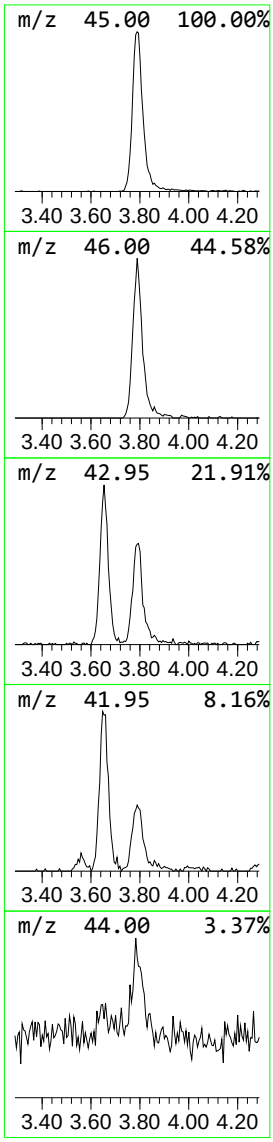
****

Peak Number 2 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.789	34.26 ug/l	310010	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

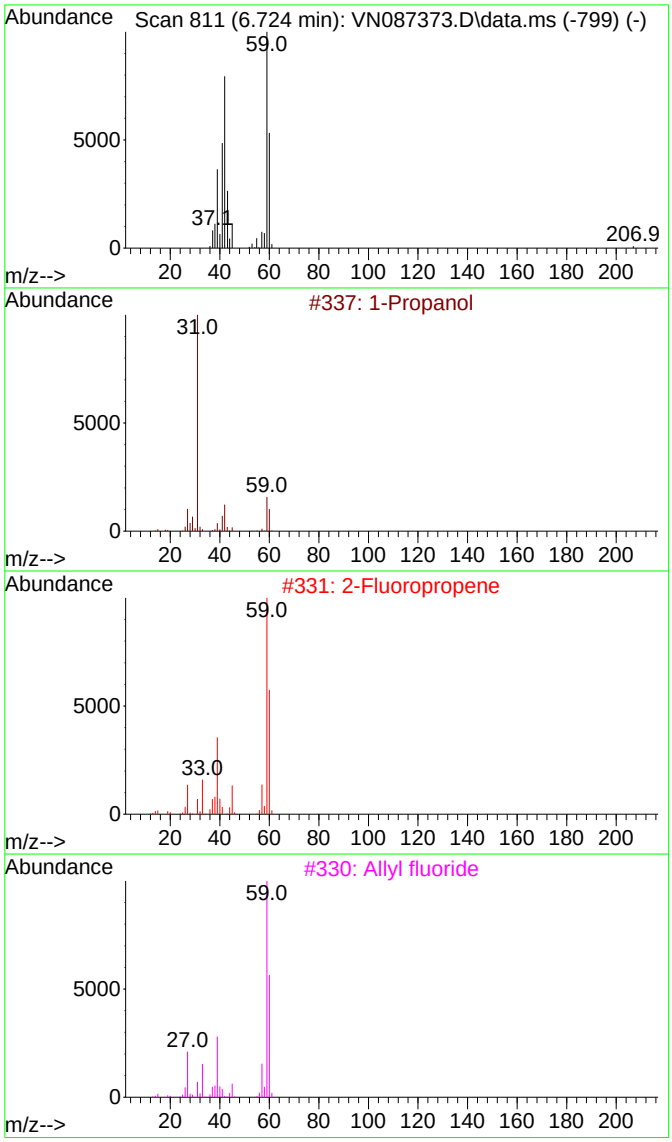
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

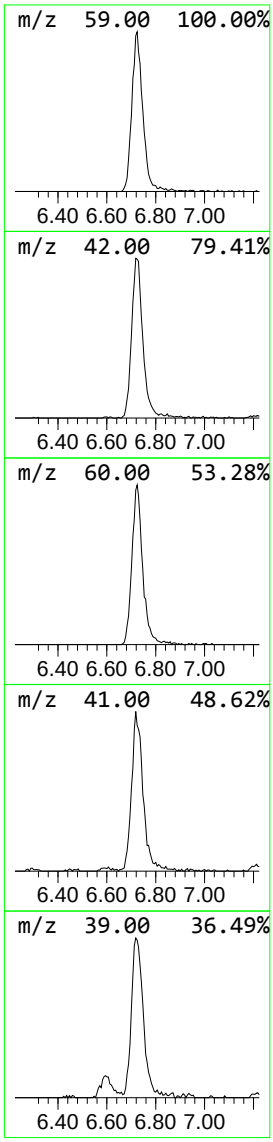
****

Peak Number 3 1-Propanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.724	66.29 ug/l	599800	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	78
2	2-Fluoropropene	60	C3H5F	001184-60-7	49
3	Allyl fluoride	60	C3H5F	000818-92-8	43
4	Isoxazolidine, 4-ethyl-2,5-dimet...	129	C7H15NO	056728-13-3	28
5	Isoxazolidine, 5-ethyl-2,4-dimet...	129	C7H15NO	056728-14-4	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

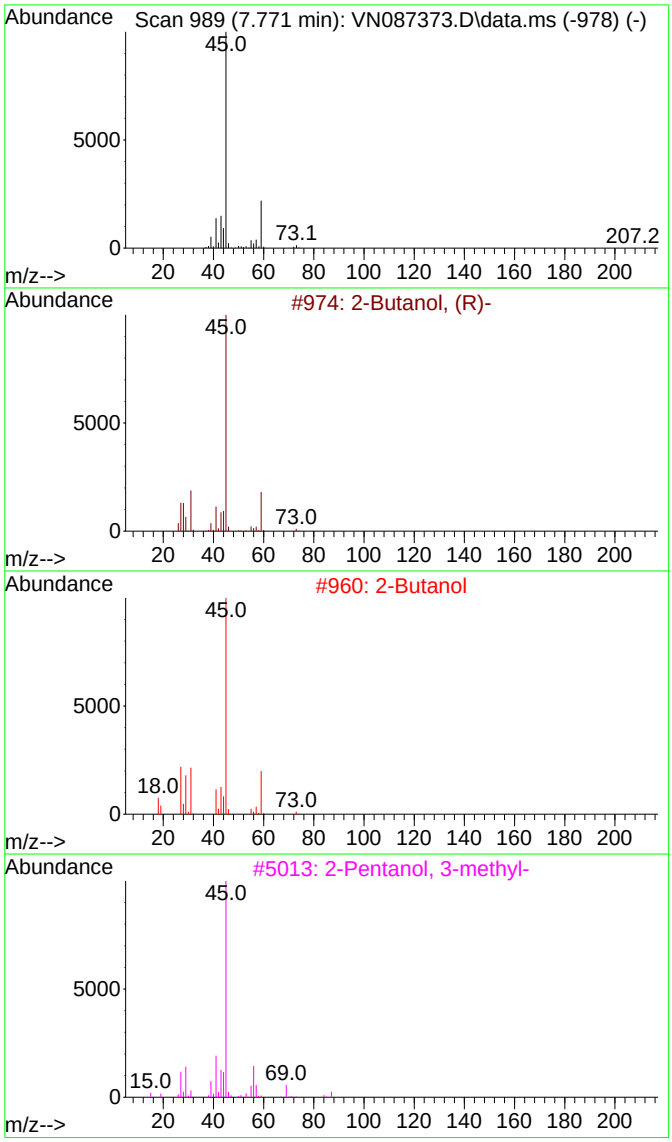
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

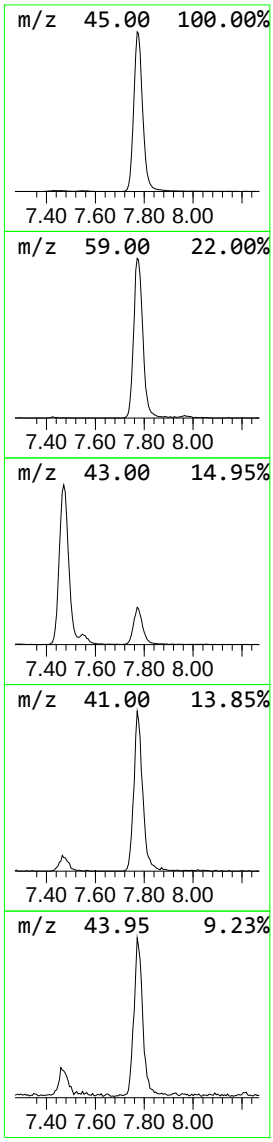
****

Peak Number 4 2-Butanol, (R)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.771	182.88 ug/l	1654650	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, (R)-	74	C4H10O	014898-79-4	83
2	2-Butanol	74	C4H10O	000078-92-2	83
3	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	59
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	42
5	2-Hexanol	102	C6H14O	000626-93-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

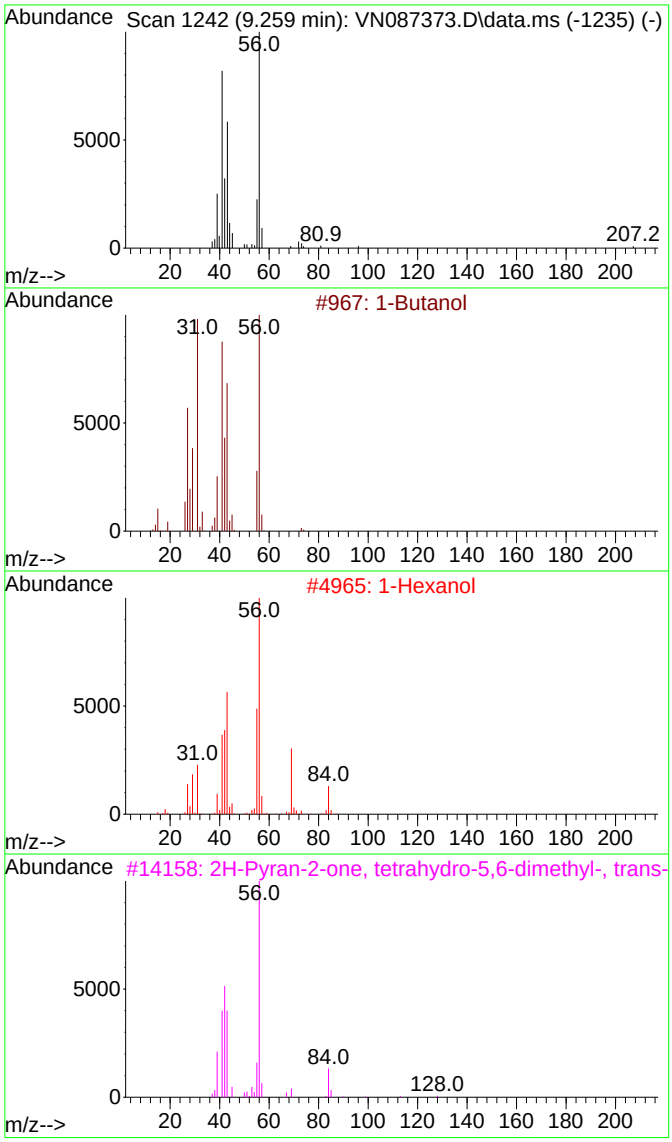
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

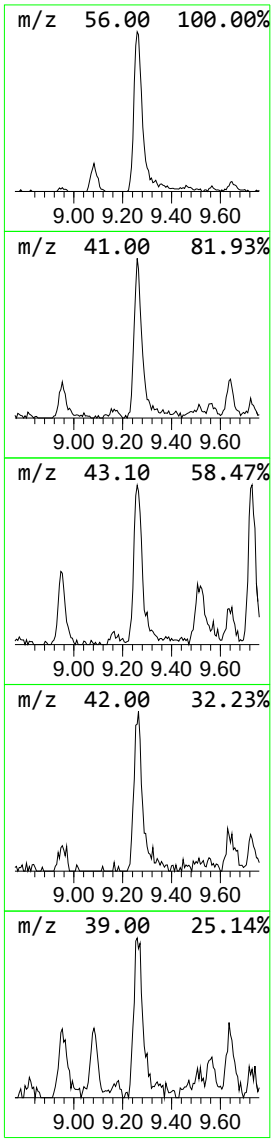
****

Peak Number 5 1-Butanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.259	13.92 ug/l	191421	1,4-Difluorobenzene	9.088

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	90
2	1-Hexanol	102	C6H14O	000111-27-3	38
3	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	36
4	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	36
5	Cyclobutane	56	C4H8	000287-23-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

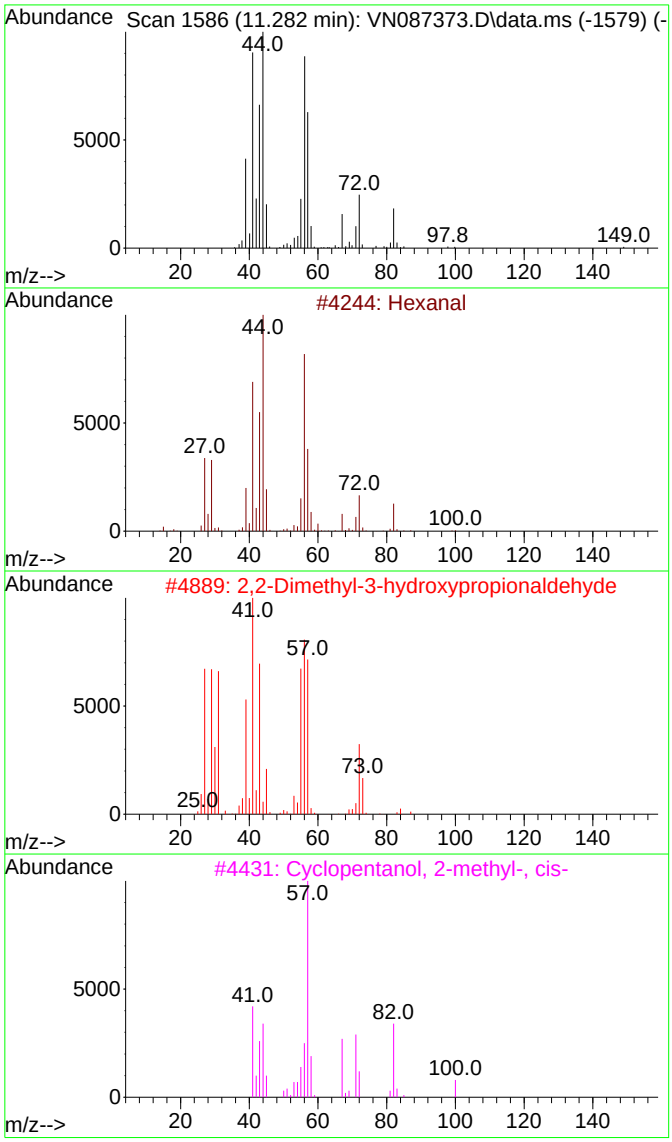
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

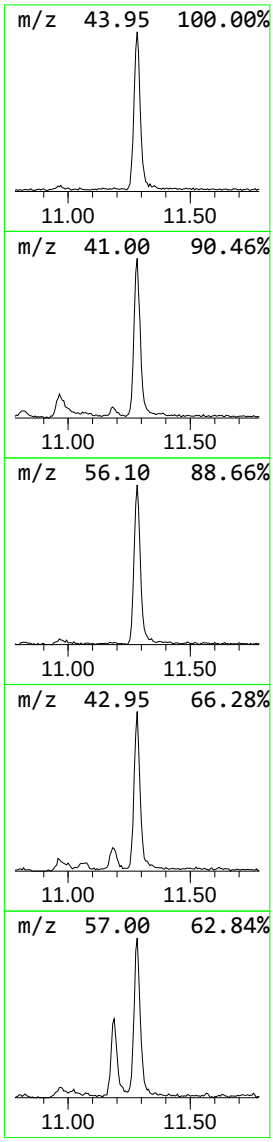
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	33.08 ug/l	542496	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	81
2	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	37
3	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	35
4	Urea, trimethyl-	102	C4H10N2O	000632-14-4	25
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

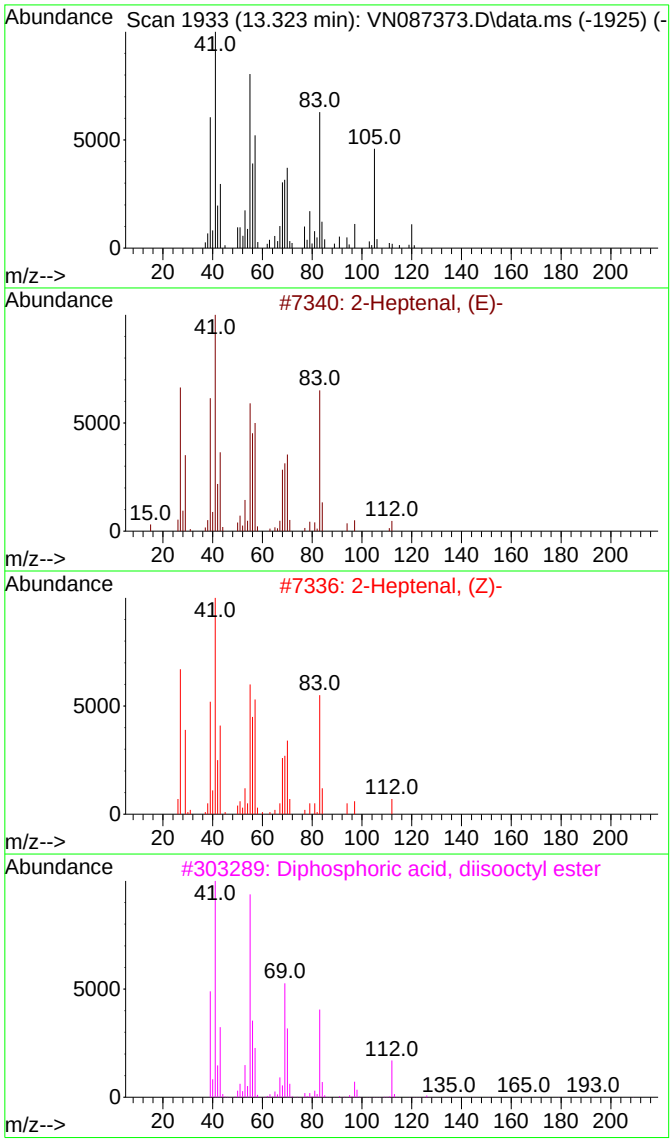
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

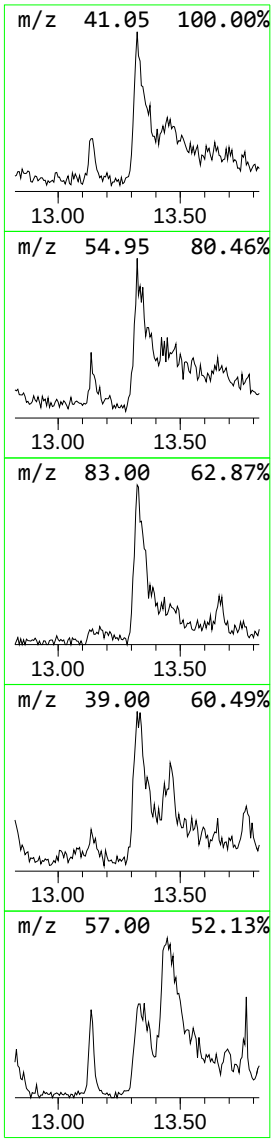
****

Peak Number 7 2-Heptenal, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.323	15.39 ug/l	256110	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	86
2	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	78
3	Diphosphoric acid, diisooctyl ester	402	C16H36O7P2	072101-07-6	64
4	4-Pentenal	84	C5H8O	002100-17-6	49
5	2-Pentyn-1-ol	84	C5H8O	006261-22-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

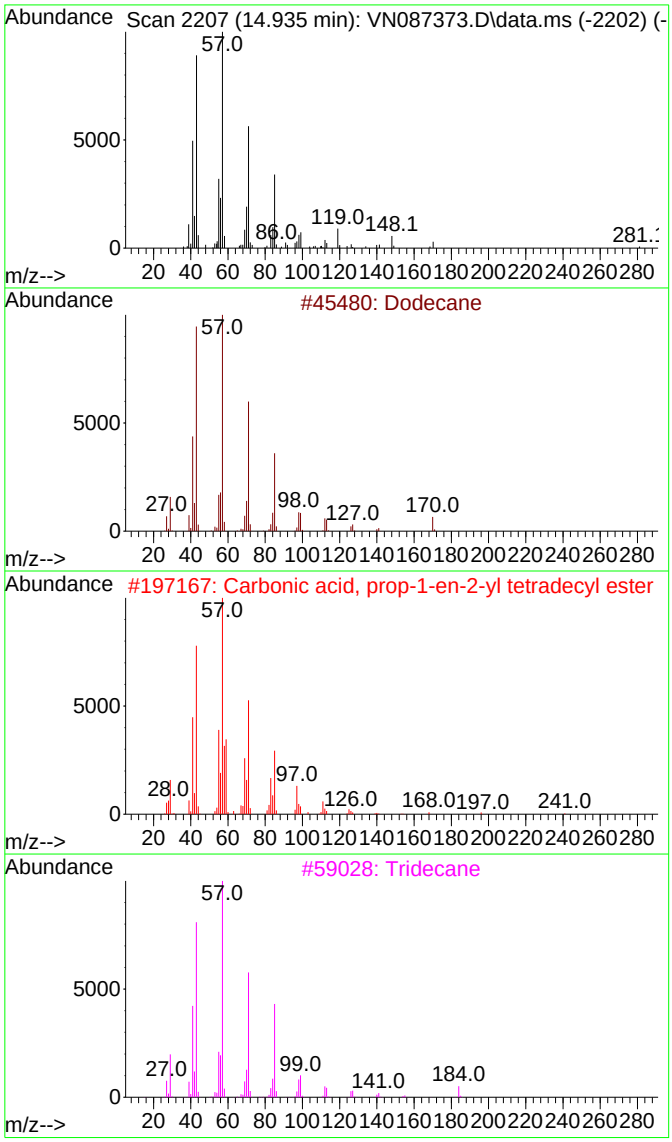
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

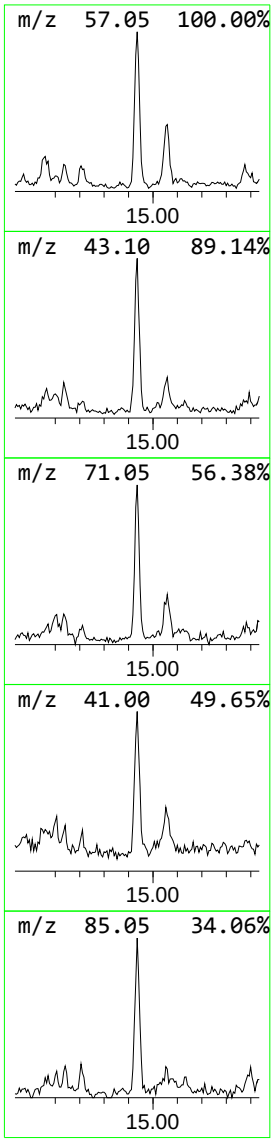
****

Peak Number 8 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.935	11.71 ug/l	194907	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	86
3	Tridecane	184	C13H28	000629-50-5	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

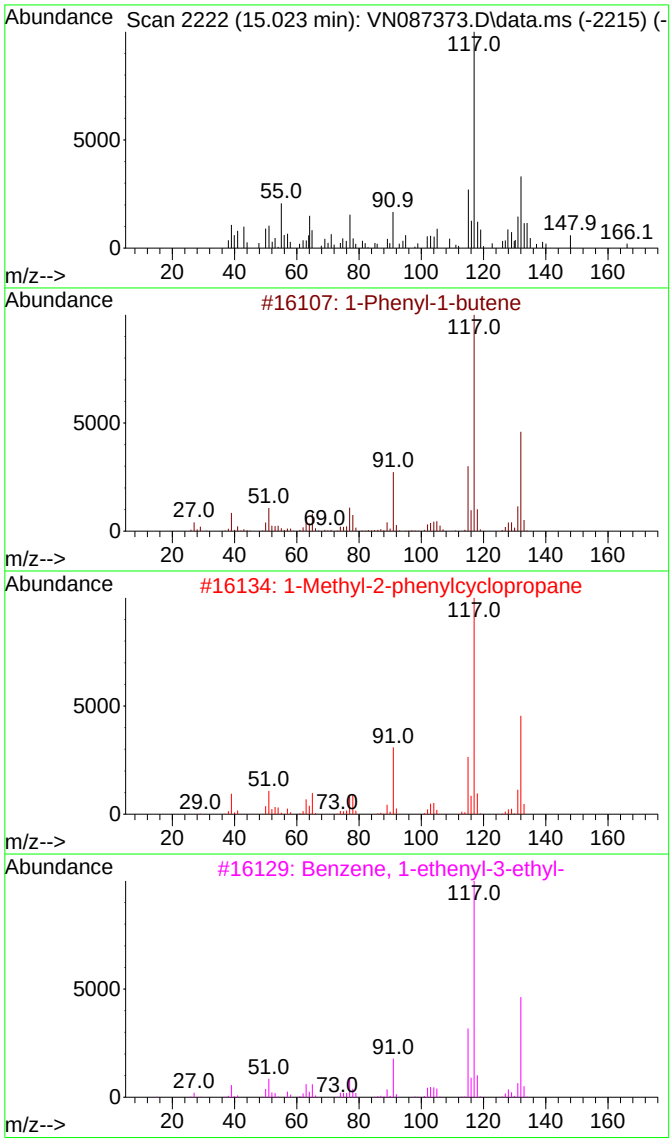
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

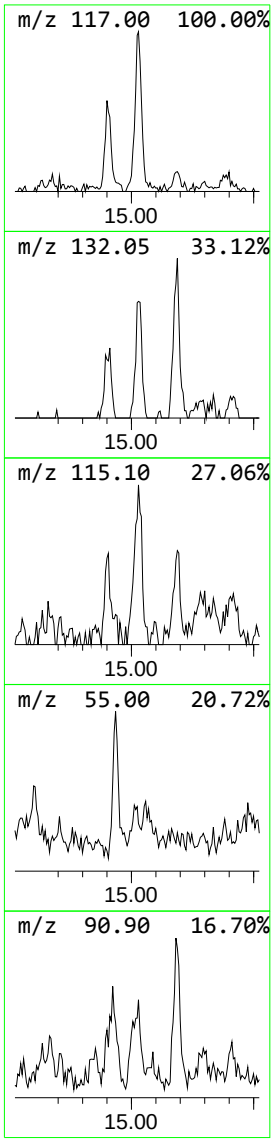
****

Peak Number 9 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	8.50 ug/l	141552	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74
5	Indan, 1-methyl-	132	C10H12	000767-58-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

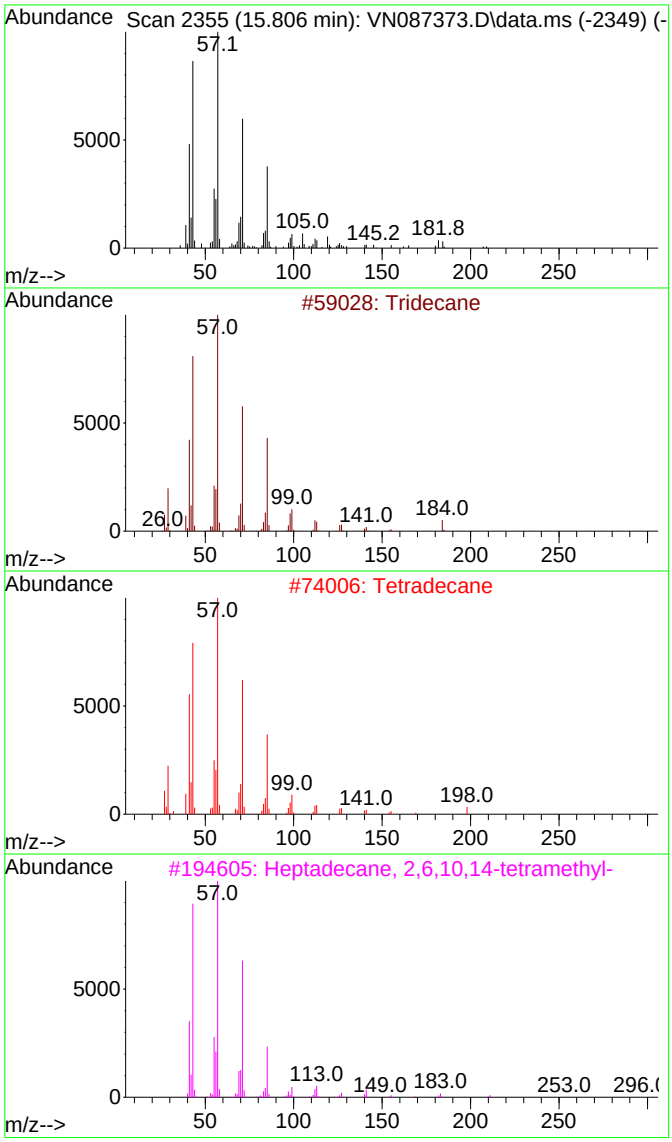
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

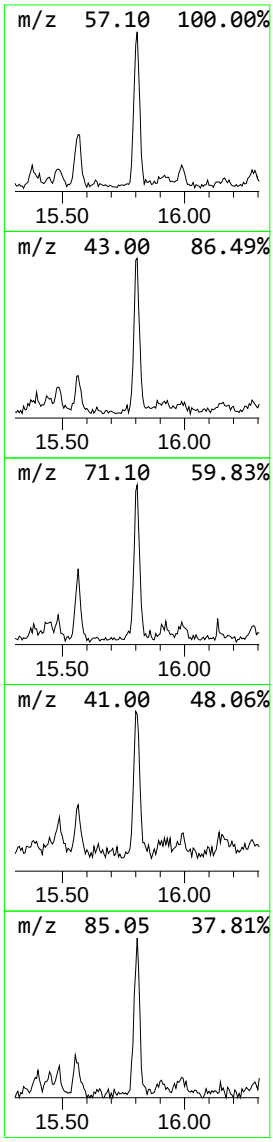
****

Peak Number 10 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.806	15.04 ug/l	250431	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	72
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4	Dodecane	170	C12H26	000112-40-3	64
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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
Pentane	3.653	16.9	ug/l	153096	1	8.206	452389	50.0
Ethanol	3.789	34.3	ug/l	310010	1	8.206	452389	50.0
1-Propanol	6.724	66.3	ug/l	599800	1	8.206	452389	50.0
2-Butanol, (R)-	7.771	182.9	ug/l	1654650	1	8.206	452389	50.0
1-Butanol	9.259	13.9	ug/l	191421	2	9.088	687726	50.0
Hexanal	11.282	33.1	ug/l	542496	3	11.847	819883	50.0
2-Heptenal, (E)-	13.323	15.4	ug/l	256110	4	13.770	832331	50.0
Dodecane	14.935	11.7	ug/l	194907	4	13.770	832331	50.0
1-Phenyl-1-butene	15.023	8.5	ug/l	141552	4	13.770	832331	50.0
Tridecane	15.806	15.0	ug/l	250431	4	13.770	832331	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	164239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	328305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	133337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152384	54.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	8.153	113	116283	51.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.547	98	411775	50.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.829	95	138566	46.428	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.860%			

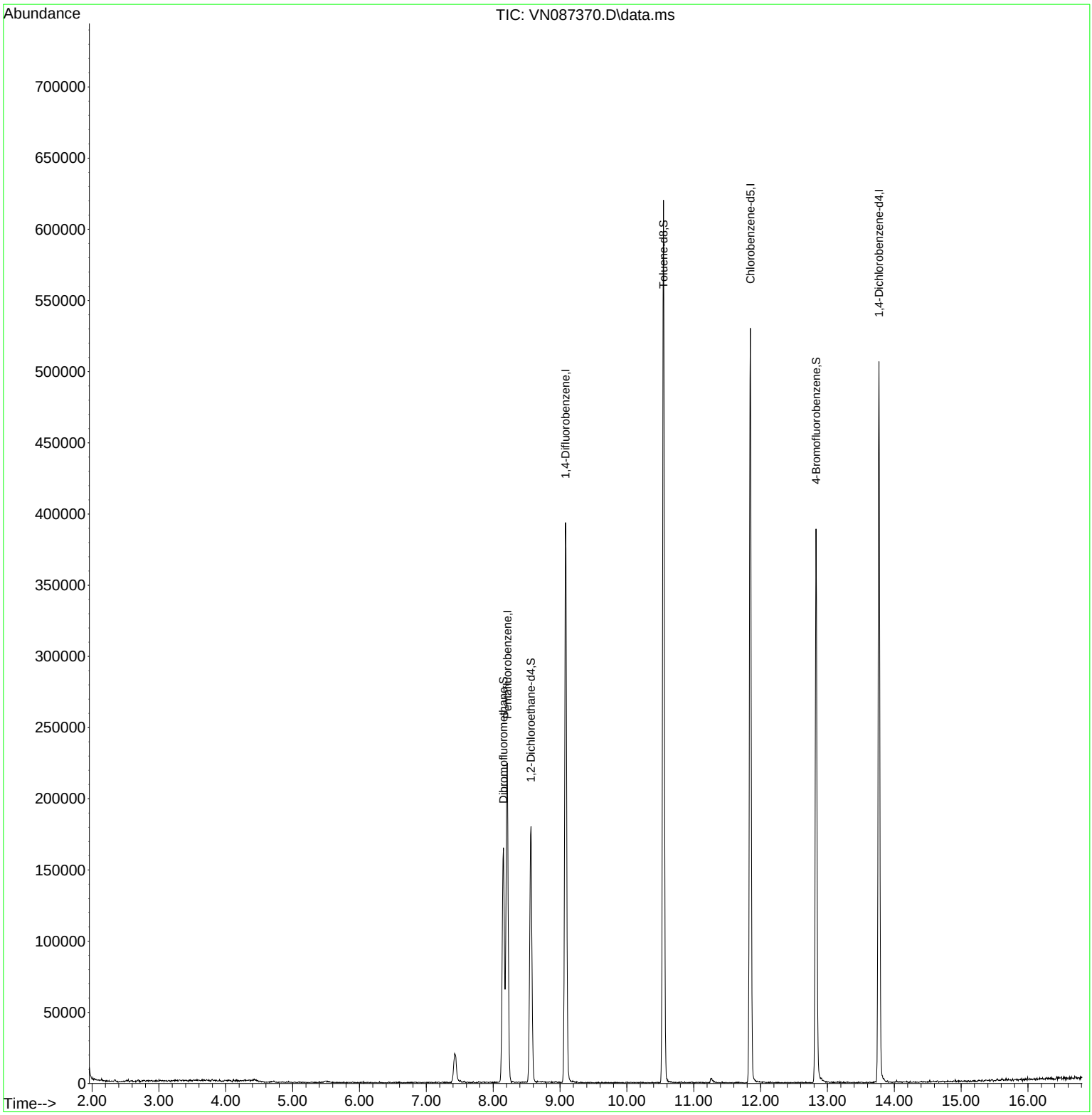
Target Compounds Qvalue

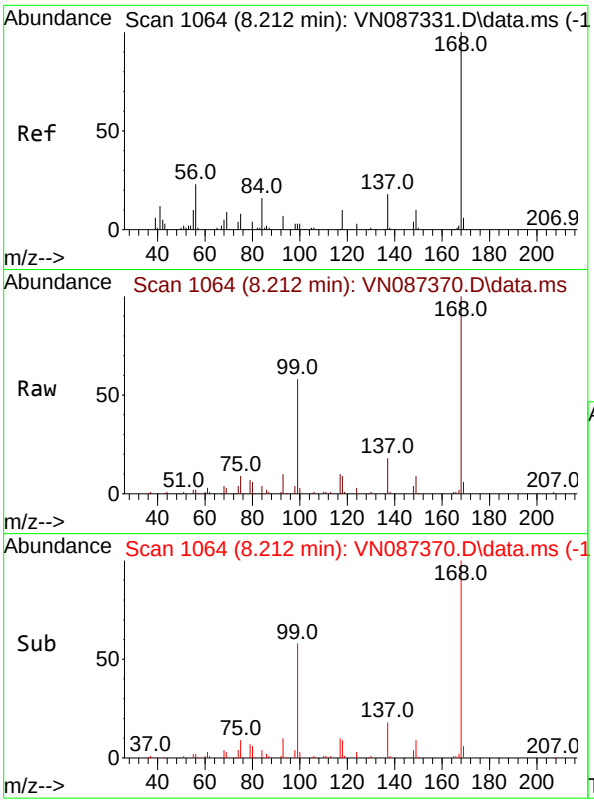
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



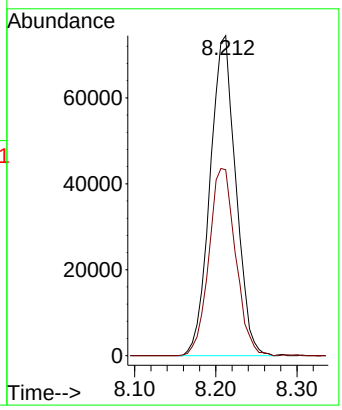


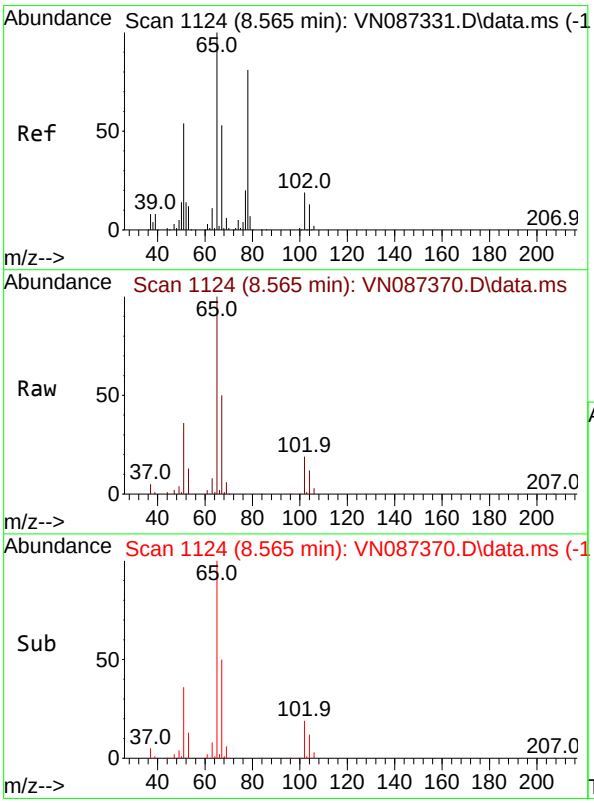
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:168 Resp: 164239

Ion	Ratio	Lower	Upper
168	100		
99	58.1	47.9	71.9

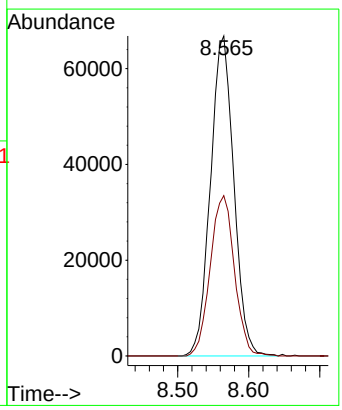


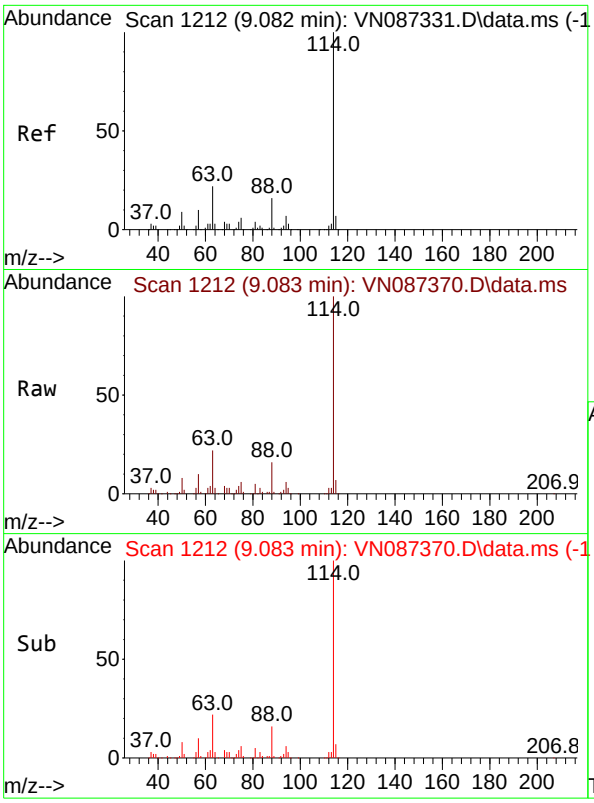


#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 65 Resp: 152384

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



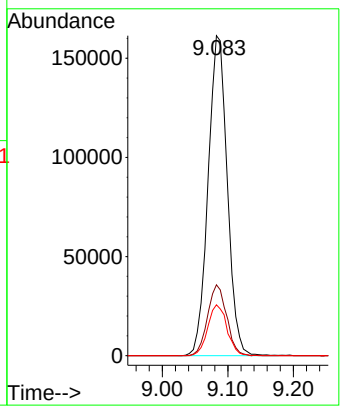


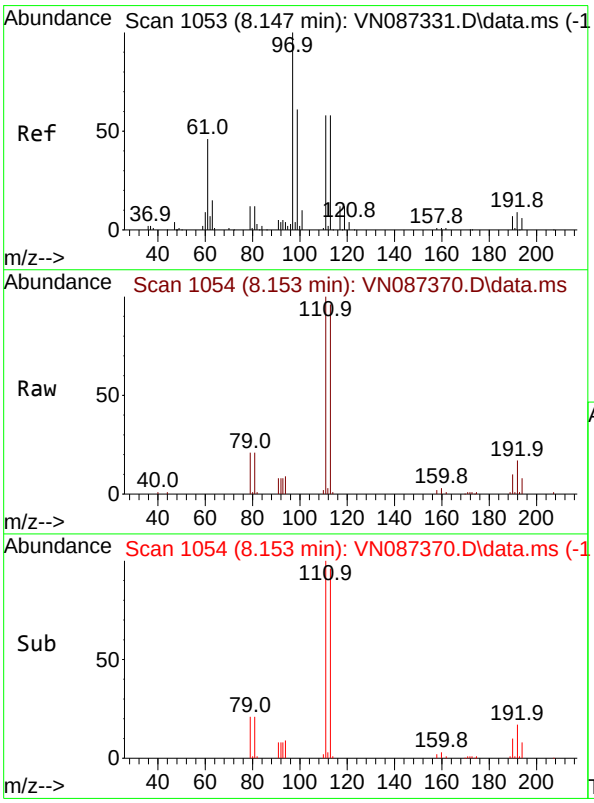
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:114 Resp: 328305

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.6
88	15.9	0.0	32.8

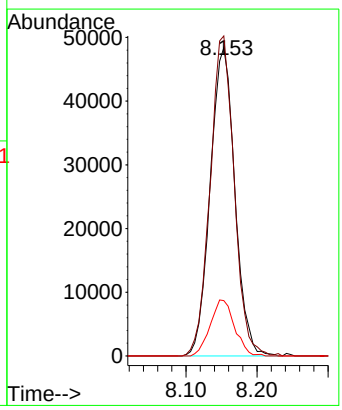


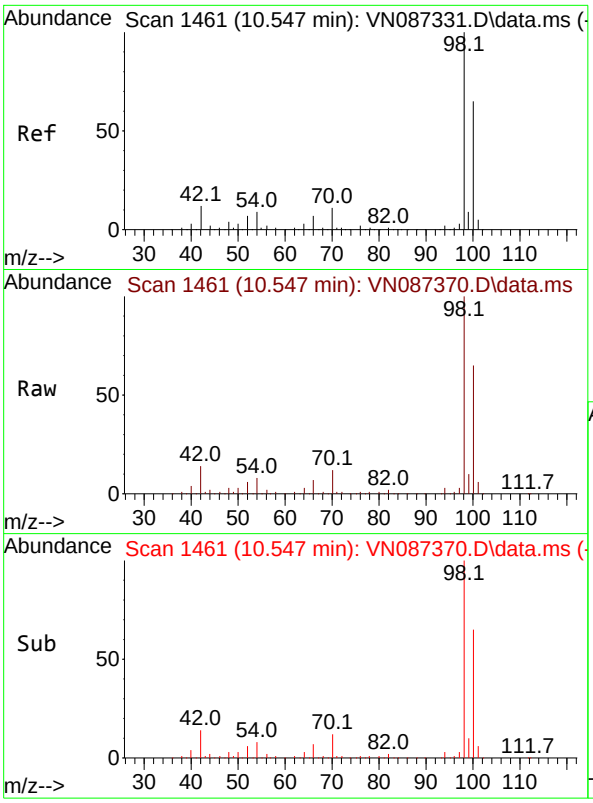


#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:113 Resp: 116283

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.5	123.7
192	18.0	13.7	20.5



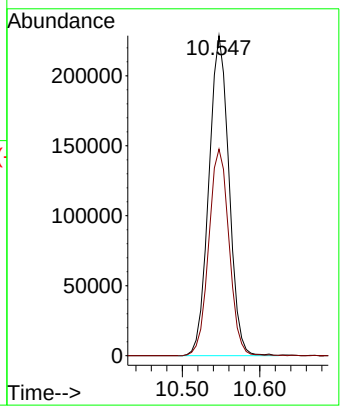


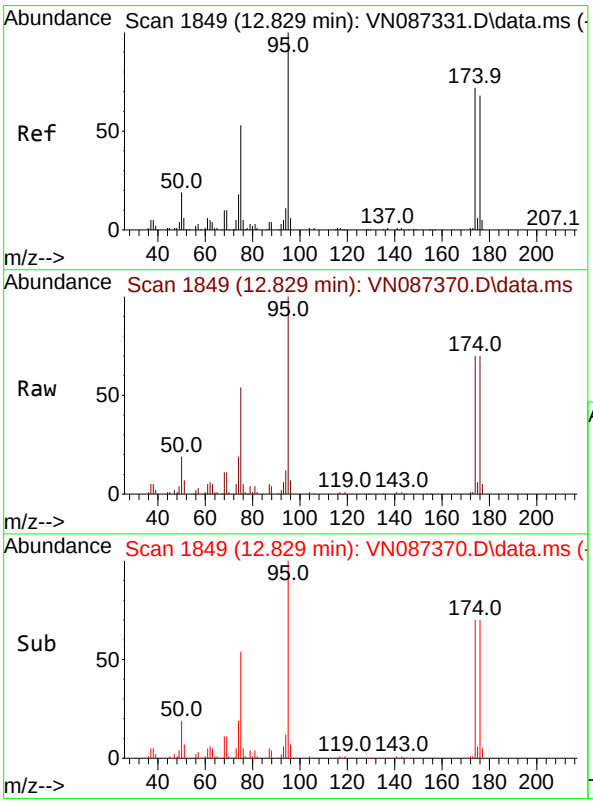
#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 98 Resp: 411775

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

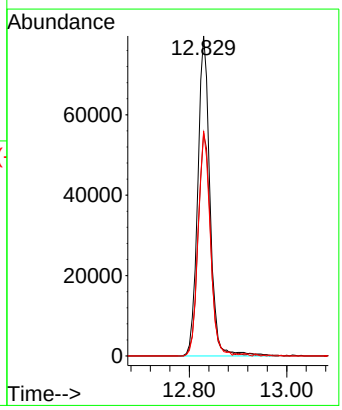


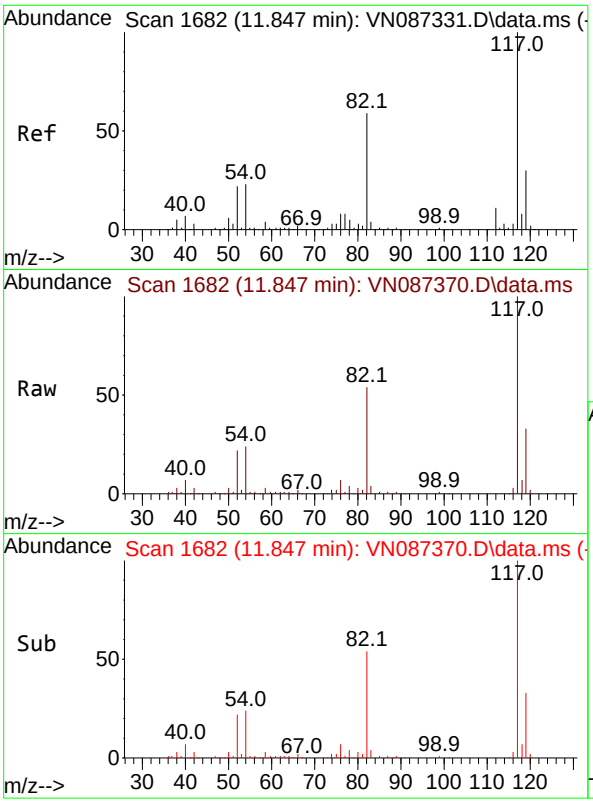


#62
4-Bromofluorobenzene
Concen: 46.428 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 95 Resp: 138566

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	149.4
176	70.0	0.0	141.2



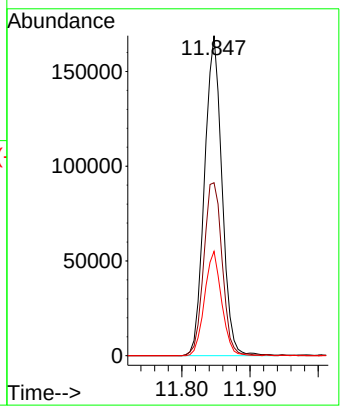


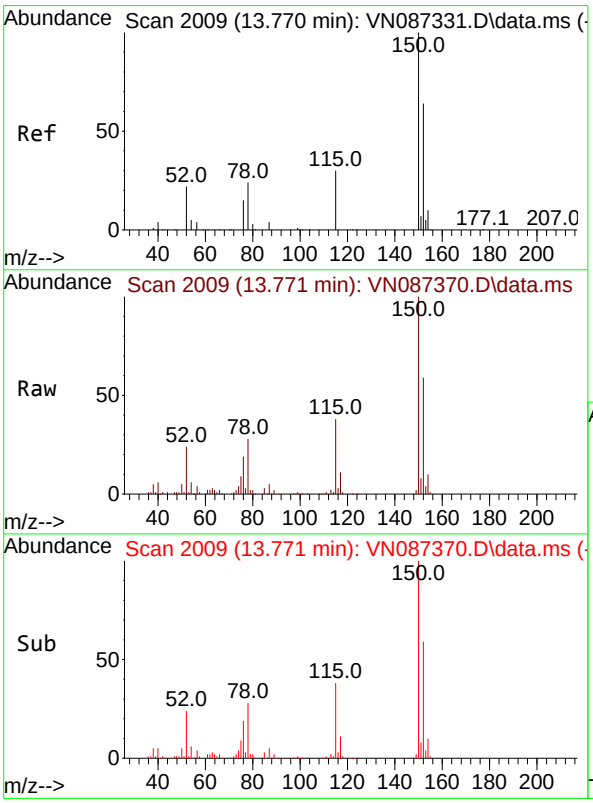
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:117 Resp: 300772

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.4	71.2
119	32.6	23.8	35.8

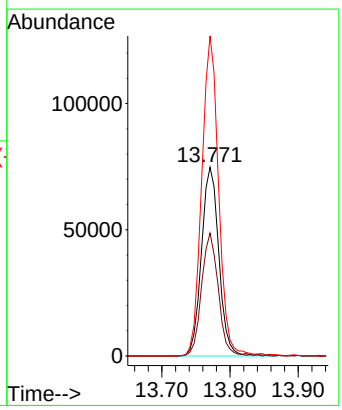




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:152 Resp: 133337

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.5
150	164.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	921	930	942	rBV	20530	62679	5.60%	1.084%
2	8.153	1043	1054	1058	rBV	164711	381487	34.06%	6.598%
3	8.212	1058	1064	1074	rVB	224570	511925	45.70%	8.853%
4	8.565	1114	1124	1137	rBV	179724	412321	36.81%	7.131%
5	9.083	1203	1212	1227	rBV	393383	806859	72.04%	13.954%
6	10.547	1452	1461	1473	rBV	620225	1120091	100.00%	19.371%
7	11.847	1674	1682	1694	rBV	529955	951296	84.93%	16.452%
8	12.829	1841	1849	1860	rBV	389051	673661	60.14%	11.651%
9	13.771	2001	2009	2020	rBV	506181	861923	76.95%	14.906%

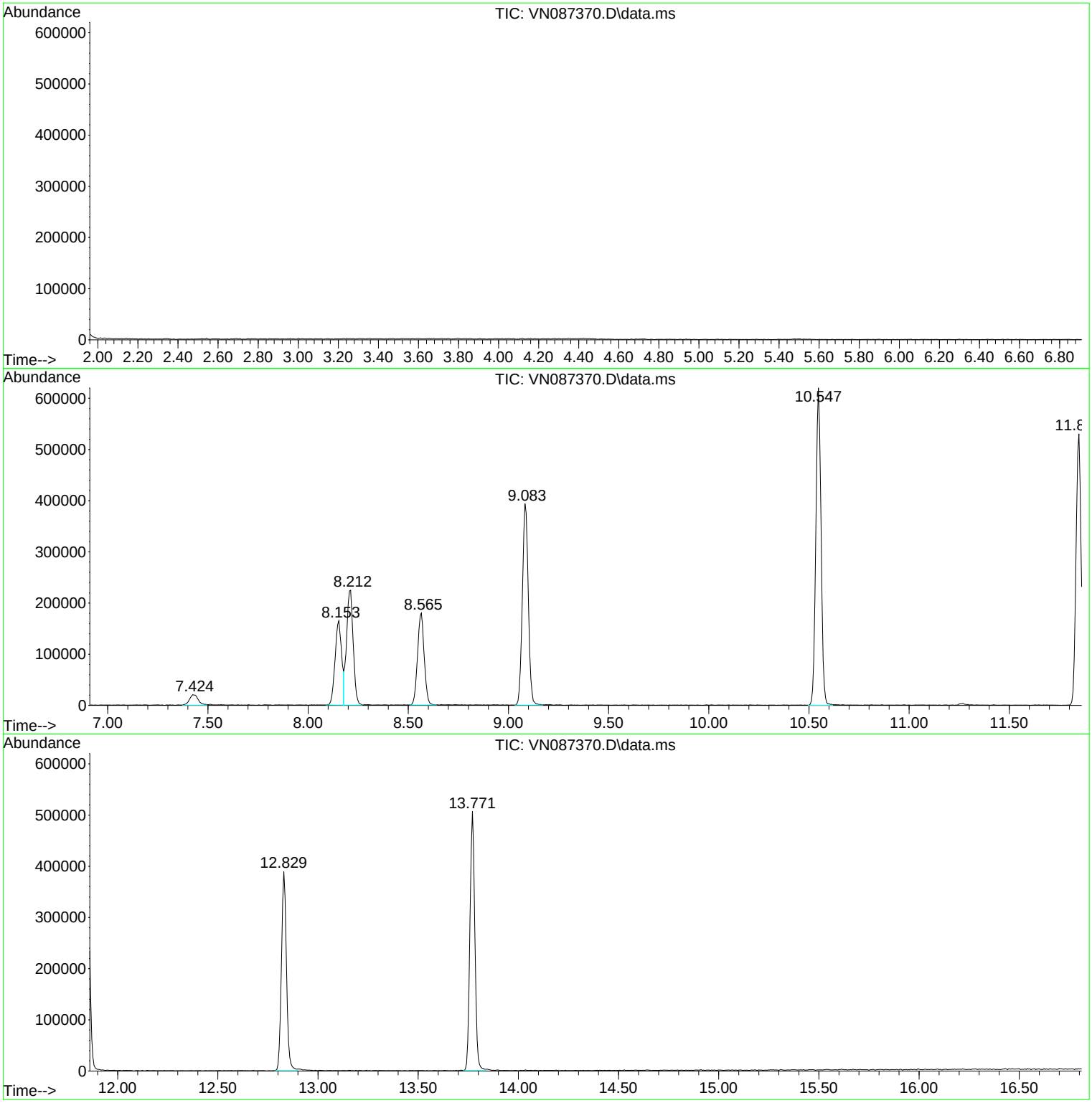
Sum of corrected areas: 5782242

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	195078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	337215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	308523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156616	47.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.640%			
35) Dibromofluoromethane	8.153	113	113549	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	10.547	98	418084	50.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.829	95	152963	49.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45478	21.949	ug/l	93
3) Chloromethane	2.389	50	49057	18.828	ug/l	96
4) Vinyl Chloride	2.542	62	49167	18.988	ug/l	97
5) Bromomethane	2.983	94	25728	19.187	ug/l	97
6) Chloroethane	3.142	64	30502	18.063	ug/l	92
7) Trichlorofluoromethane	3.512	101	73088	19.089	ug/l	89
8) Diethyl Ether	3.965	74	25832	17.392	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40048	20.375	ug/l	98
10) Methyl Iodide	4.577	142	28199	18.006	ug/l	98
11) Tert butyl alcohol	5.524	59	53952	85.841	ug/l	98
12) 1,1-Dichloroethene	4.336	96	40303	18.095	ug/l	95
13) Acrolein	4.183	56	42192	83.649	ug/l	93
14) Allyl chloride	5.018	41	69156	17.157	ug/l	99
15) Acrylonitrile	5.712	53	142826	83.743	ug/l	99
16) Acetone	4.424	43	133162	85.801	ug/l	99
17) Carbon Disulfide	4.706	76	121611	18.416	ug/l	95
18) Methyl Acetate	5.018	43	68652	17.607	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	140893	17.162	ug/l	97
20) Methylene Chloride	5.271	84	46556	17.327	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	44578	17.750	ug/l	92
22) Diisopropyl ether	6.659	45	157889	18.674	ug/l	94
23) Vinyl Acetate	6.588	43	694729	93.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	85653	17.559	ug/l	98
25) 2-Butanone	7.471	43	207099	86.364	ug/l	99
26) 2,2-Dichloropropane	7.477	77	77666	20.479	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	51900	17.950	ug/l	98
28) Bromochloromethane	7.800	49	41440	17.751	ug/l	99
29) Tetrahydrofuran	7.830	42	131520	84.427	ug/l	99
30) Chloroform	7.947	83	87539	17.929	ug/l	97
31) Cyclohexane	8.241	56	81992	20.149	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	78792	18.632	ug/l	97
36) 1,1-Dichloropropene	8.359	75	61263	19.935	ug/l	100
37) Ethyl Acetate	7.553	43	78541	17.696	ug/l	96
38) Carbon Tetrachloride	8.347	117	66297	19.583	ug/l	93
39) Methylcyclohexane	9.582	83	69647	20.933	ug/l #	91
40) Benzene	8.588	78	192485	19.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	41272	17.784	ug/l		96
42) 1,2-Dichloroethane	8.653	62	68935	18.301	ug/l		99
43) Isopropyl Acetate	8.677	43	124383	18.053	ug/l		100
44) Trichloroethene	9.335	130	44065	18.776	ug/l		86
45) 1,2-Dichloropropane	9.600	63	48604	19.258	ug/l	#	87
46) Dibromomethane	9.694	93	34607	18.314	ug/l		98
47) Bromodichloromethane	9.871	83	69750	18.326	ug/l		94
48) Methyl methacrylate	9.665	41	55452	17.877	ug/l		97
49) 1,4-Dioxane	9.677	88	17060	359.104	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.429	43	401014	92.023	ug/l		99
52) Toluene	10.612	92	116138	19.237	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	72070	18.710	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	74540	18.734	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	45751	18.718	ug/l	#	87
56) Ethyl methacrylate	10.859	69	66938	17.074	ug/l		97
57) 1,3-Dichloropropane	11.141	76	78676	18.617	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	195869	97.690	ug/l		100
59) 2-Hexanone	11.176	43	264794	91.587	ug/l		99
60) Dibromochloromethane	11.341	129	52477	18.826	ug/l		96
61) 1,2-Dibromoethane	11.453	107	44615	17.360	ug/l		99
64) Tetrachloroethene	11.082	164	36432	18.347	ug/l		97
65) Chlorobenzene	11.871	112	128645	18.573	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	44082	18.716	ug/l		99
67) Ethyl Benzene	11.941	91	206561	18.115	ug/l		99
68) m/p-Xylenes	12.053	106	168727	39.515	ug/l		98
69) o-Xylene	12.376	106	75002	18.388	ug/l		100
70) Styrene	12.394	104	132593	19.325	ug/l		99
71) Bromoform	12.559	173	34591	18.179	ug/l	#	97
73) Isopropylbenzene	12.676	105	198119	19.497	ug/l		98
74) N-amyl acetate	12.512	43	82883m	19.632	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	70547	18.451	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	61699m	17.042	ug/l		
77) Bromobenzene	12.959	156	49824	18.906	ug/l		99
78) n-propylbenzene	13.018	91	256928	20.096	ug/l		100
79) 2-Chlorotoluene	13.106	91	152583	19.419	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	174332	20.136	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	22951	17.345	ug/l		95
82) 4-Chlorotoluene	13.200	91	154290	18.861	ug/l		99
83) tert-Butylbenzene	13.417	119	146165	20.214	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	177920	20.123	ug/l		100
85) sec-Butylbenzene	13.594	105	220837	20.275	ug/l		99
86) p-Isopropyltoluene	13.706	119	181563	20.801	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98893	19.120	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99576	18.026	ug/l		95
89) n-Butylbenzene	14.035	91	170515	20.458	ug/l		99
90) Hexachloroethane	14.306	117	36514	19.744	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	94733	19.334	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.694	75	16367	16.304	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	55564	19.305	ug/l		99
94) Hexachlorobutadiene	15.476	225	24726	23.120	ug/l		96
95) Naphthalene	15.617	128	175395	17.202	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	54756	18.966	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

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

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

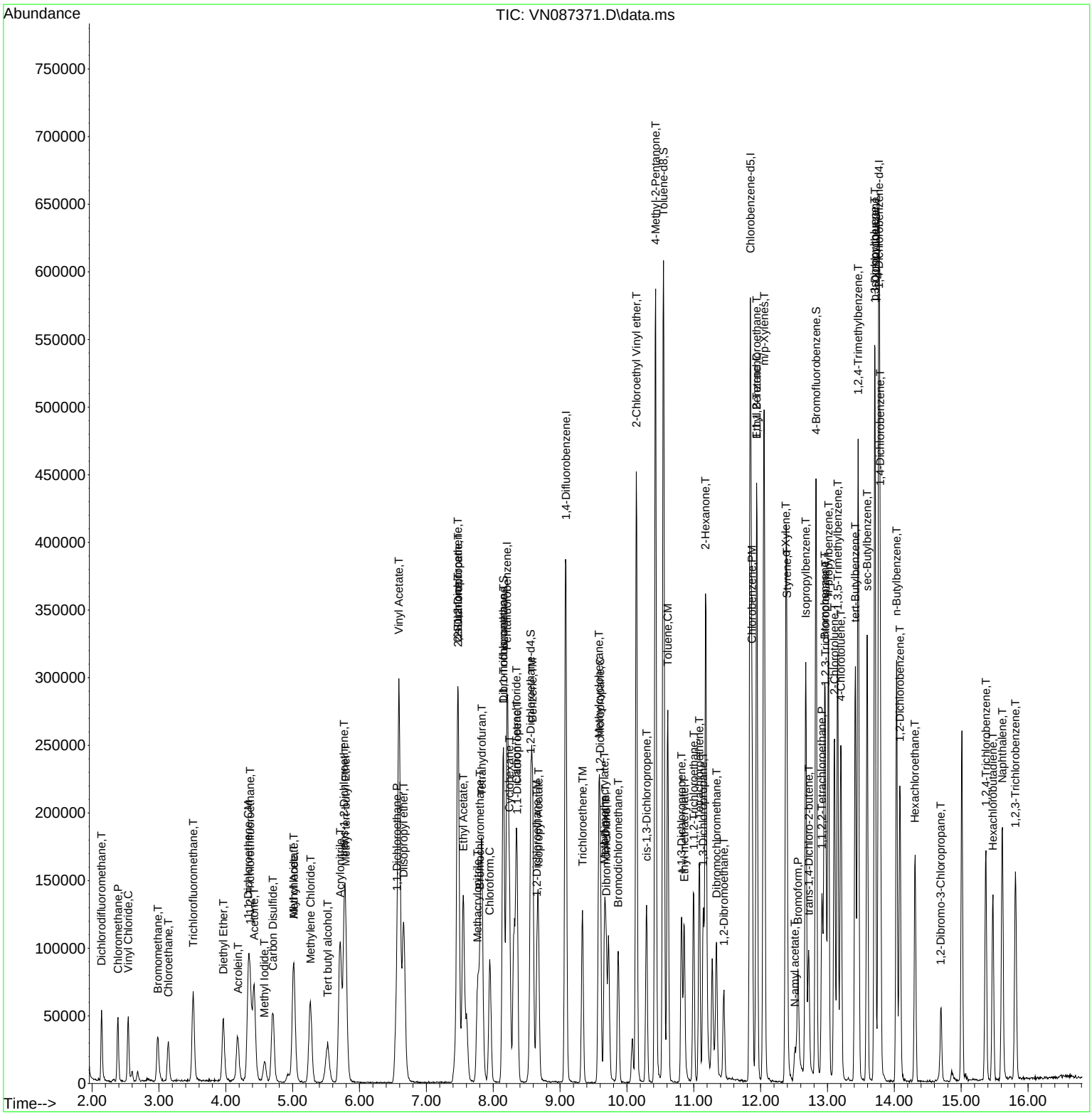
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	190787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	328848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	296338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152790	47.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.147	113	114140	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	10.547	98	409499	50.608	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.829	95	149416	49.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45407	22.408	ug/l	90
3) Chloromethane	2.383	50	47847	18.776	ug/l	91
4) Vinyl Chloride	2.542	62	48142	19.010	ug/l	92
5) Bromomethane	2.983	94	26007	19.831	ug/l	98
6) Chloroethane	3.136	64	30475	18.453	ug/l	100
7) Trichlorofluoromethane	3.512	101	73764	19.698	ug/l	88
8) Diethyl Ether	3.959	74	25592	17.618	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.359	101	37700	19.612	ug/l	98
10) Methyl Iodide	4.577	142	30353	19.251	ug/l	98
11) Tert butyl alcohol	5.518	59	56647	92.156	ug/l	99
12) 1,1-Dichloroethene	4.330	96	38399	17.628	ug/l	93
13) Acrolein	4.177	56	42955	87.077	ug/l	98
14) Allyl chloride	5.018	41	65923	16.722	ug/l	98
15) Acrylonitrile	5.706	53	148783	89.198	ug/l	99
16) Acetone	4.430	43	126421	83.289	ug/l	99
17) Carbon Disulfide	4.700	76	119923	18.569	ug/l	96
18) Methyl Acetate	5.018	43	69706	18.279	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	144862	18.042	ug/l	99
20) Methylene Chloride	5.265	84	46355	17.652	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	43844	17.851	ug/l	86
22) Diisopropyl ether	6.659	45	157443	19.040	ug/l #	95
23) Vinyl Acetate	6.589	43	712495	98.517	ug/l	99
24) 1,1-Dichloroethane	6.547	63	86682	18.170	ug/l	97
25) 2-Butanone	7.471	43	206854	88.202	ug/l	99
26) 2,2-Dichloropropane	7.471	77	75365	20.319	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52133	18.436	ug/l	96
28) Bromochloromethane	7.800	49	42566	18.643	ug/l	99
29) Tetrahydrofuran	7.830	42	136575	89.644	ug/l	96
30) Chloroform	7.947	83	87803	18.388	ug/l	99
31) Cyclohexane	8.235	56	78716	19.779	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78287	18.929	ug/l	93
36) 1,1-Dichloropropene	8.353	75	59988	20.016	ug/l	99
37) Ethyl Acetate	7.547	43	77704	17.953	ug/l	98
38) Carbon Tetrachloride	8.347	117	65528	19.849	ug/l	99
39) Methylcyclohexane	9.582	83	67946	20.941	ug/l	96
40) Benzene	8.588	78	185496	19.151	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	40867	18.057	ug/l		95
42) 1,2-Dichloroethane	8.653	62	69079	18.806	ug/l		99
43) Isopropyl Acetate	8.671	43	127752	19.014	ug/l		99
44) Trichloroethene	9.335	130	43070	18.818	ug/l		96
45) 1,2-Dichloropropane	9.606	63	47601	19.341	ug/l		100
46) Dibromomethane	9.694	93	34895	18.937	ug/l		99
47) Bromodichloromethane	9.865	83	69620	18.757	ug/l		98
48) Methyl methacrylate	9.665	41	57104	18.878	ug/l		99
49) 1,4-Dioxane	9.688	88	16301	351.858	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.429	43	399338	93.970	ug/l		99
52) Toluene	10.612	92	114736	19.488	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	70010	18.637	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	75349	19.419	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	46825	19.645	ug/l		88
56) Ethyl methacrylate	10.859	69	69998	18.249	ug/l		95
57) 1,3-Dichloropropane	11.147	76	78181	18.971	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	202470	103.552	ug/l		100
59) 2-Hexanone	11.176	43	264149	93.688	ug/l		99
60) Dibromochloromethane	11.341	129	49899	18.357	ug/l		100
61) 1,2-Dibromoethane	11.447	107	47255	18.856	ug/l		95
64) Tetrachloroethene	11.082	164	36839	19.315	ug/l		95
65) Chlorobenzene	11.871	112	123556	18.571	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	43600	19.273	ug/l		100
67) Ethyl Benzene	11.941	91	204755	18.695	ug/l		100
68) m/p-Xylenes	12.047	106	159328	38.848	ug/l		100
69) o-Xylene	12.382	106	73560	18.777	ug/l		97
70) Styrene	12.394	104	127855	19.400	ug/l		99
71) Bromoform	12.559	173	34274	18.753	ug/l	#	96
73) Isopropylbenzene	12.676	105	192540	19.294	ug/l		100
74) N-amyl acetate	12.518	43	83031m	20.026	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	71491	19.039	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	62574m	17.599	ug/l		
77) Bromobenzene	12.959	156	48290	18.659	ug/l		98
78) n-propylbenzene	13.018	91	243308	19.379	ug/l		100
79) 2-Chlorotoluene	13.106	91	143207	18.559	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	162843	19.152	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	22418	17.252	ug/l		98
82) 4-Chlorotoluene	13.206	91	148212	18.449	ug/l		98
83) tert-Butylbenzene	13.418	119	138461	19.498	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	172373	19.852	ug/l		98
85) sec-Butylbenzene	13.594	105	212425	19.859	ug/l		100
86) p-Isopropyltoluene	13.706	119	175039	20.419	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98015	19.297	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99611	18.362	ug/l		98
89) n-Butylbenzene	14.035	91	168514	20.587	ug/l		99
90) Hexachloroethane	14.312	117	35162	19.360	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	94601	19.659	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	16412	16.647	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	52419	18.545	ug/l		99
94) Hexachlorobutadiene	15.476	225	24088	22.935	ug/l		99
95) Naphthalene	15.617	128	172523	17.229	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	52053	18.358	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

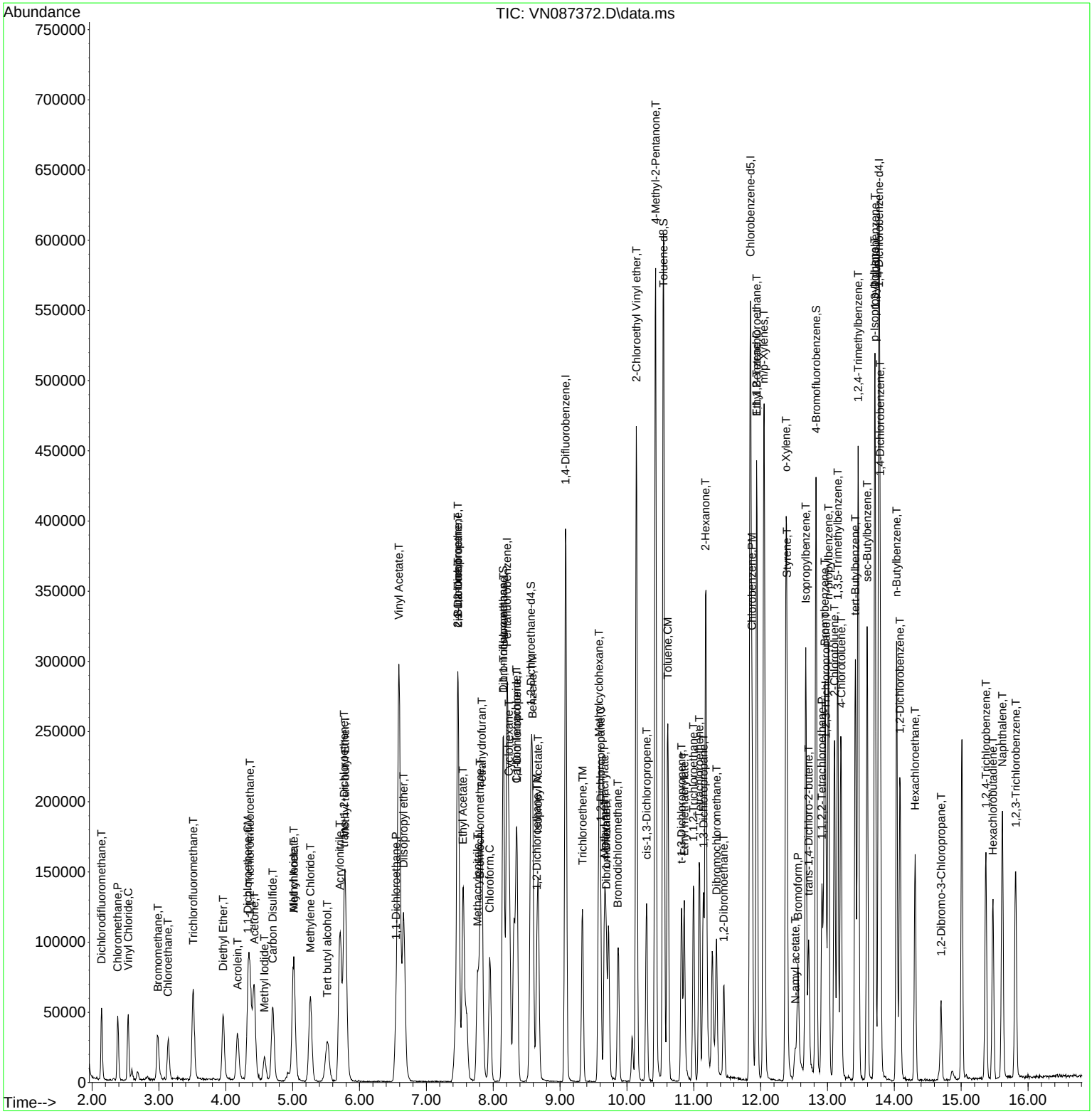
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn072125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087368.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:11 AM	MMDadoda	7/22/2025 1:40:43 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	N-amyl acetate	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	N-amyl acetate	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VSTDCCC050	VN087387.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:47 AM	MMDadoda	7/22/2025 1:40:38 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 # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	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 # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087367.D	21 Jul 2025 10:05	JC\MD	Ok
2	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	JC\MD	Ok,M
3	VN0721MBL01	VN087369.D	21 Jul 2025 11:13	JC\MD	Ok
4	VN0721WBL01	VN087370.D	21 Jul 2025 11:34	JC\MD	Ok
5	VN0721WBS01	VN087371.D	21 Jul 2025 11:55	JC\MD	Ok,M
6	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30	JC\MD	Ok,M
7	Q2646-01	VN087373.D	21 Jul 2025 12:51	JC\MD	Ok
8	IBLK	VN087374.D	21 Jul 2025 13:13	JC\MD	Ok
9	PB168920TB	VN087375.D	21 Jul 2025 13:34	JC\MD	Ok
10	Q2641-02	VN087376.D	21 Jul 2025 13:55	JC\MD	Ok
11	Q2645-03	VN087377.D	21 Jul 2025 14:16	JC\MD	Ok
12	Q2649-04	VN087378.D	21 Jul 2025 14:38	JC\MD	Ok
13	Q2649-08	VN087379.D	21 Jul 2025 14:59	JC\MD	Ok,M
14	Q2649-12	VN087380.D	21 Jul 2025 15:20	JC\MD	Ok
15	Q2649-16	VN087381.D	21 Jul 2025 15:42	JC\MD	Ok
16	Q2649-20	VN087382.D	21 Jul 2025 16:03	JC\MD	Ok
17	Q2649-24	VN087383.D	21 Jul 2025 16:24	JC\MD	Ok
18	PB168921TB	VN087384.D	21 Jul 2025 16:46	JC\MD	Ok
19	Q2646-03	VN087385.D	21 Jul 2025 17:07	JC\MD	Ok
20	Q2664-01	VN087386.D	21 Jul 2025 17:29	JC\MD	Ok
21	VSTDCCC050	VN087387.D	21 Jul 2025 17:50	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
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	VN087367.D	21 Jul 2025 10:05		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0721MBL01	VN0721MBL01	VN087369.D	21 Jul 2025 11:13		JC\MD	Ok
4	VN0721WBL01	VN0721WBL01	VN087370.D	21 Jul 2025 11:34		JC\MD	Ok
5	VN0721WBS01	VN0721WBS01	VN087371.D	21 Jul 2025 11:55		JC\MD	Ok,M
6	VN0721WBSD01	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30		JC\MD	Ok,M
7	Q2646-01	FRAC TANK	VN087373.D	21 Jul 2025 12:51	vial A pH<2	JC\MD	Ok
8	IBLK	IBLK	VN087374.D	21 Jul 2025 13:13		JC\MD	Ok
9	PB168920TB	PB168920TB	VN087375.D	21 Jul 2025 13:34		JC\MD	Ok
10	Q2641-02	P001-CONCRETE001-	VN087376.D	21 Jul 2025 13:55	vial A pH#5.0	JC\MD	Ok
11	Q2645-03	RW5B-CARBON-2025(	VN087377.D	21 Jul 2025 14:16	vial A pH#5.0	JC\MD	Ok
12	Q2649-04	WC-1	VN087378.D	21 Jul 2025 14:38	vial A pH#5.0	JC\MD	Ok
13	Q2649-08	WC-2	VN087379.D	21 Jul 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
14	Q2649-12	WC-3	VN087380.D	21 Jul 2025 15:20	vial A pH#5.0	JC\MD	Ok
15	Q2649-16	WC-4	VN087381.D	21 Jul 2025 15:42	vial A pH#5.0	JC\MD	Ok
16	Q2649-20	WC-5	VN087382.D	21 Jul 2025 16:03	vial A pH#5.0	JC\MD	Ok
17	Q2649-24	WC-6	VN087383.D	21 Jul 2025 16:24	vial A pH#5.0	JC\MD	Ok
18	PB168921TB	PB168921TB	VN087384.D	21 Jul 2025 16:46		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 # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2646-03	FRAC TANK	VN087385.D	21 Jul 2025 17:07	vial A pH#5.0	JC\MD	Ok
20	Q2664-01	GDW3	VN087386.D	21 Jul 2025 17:29	vial A pH<2	JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN087387.D	21 Jul 2025 17:50		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:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP VOA	8260D			07/21/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2646

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**FRAC TANK**							
Q2646-03	FRAC TANK	TCLP	2-Butanone	1100		4.90	130	ug/L
			Total Voc :	1100				
			Total Concentration:	1100				

SAMPLE DATA

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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:	Date Analyzed	Prep Batch ID
VN087385.D	5	07/21/25 17:07	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.30	U	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	1.20	U	1.20	25.0	ug/L
78-93-3	2-Butanone	1100		4.90	130	ug/L
56-23-5	Carbon Tetrachloride	1.30	U	1.30	25.0	ug/L
67-66-3	Chloroform	1.30	U	1.30	25.0	ug/L
71-43-2	Benzene	0.75	U	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	1.10	U	1.10	25.0	ug/L
79-01-6	Trichloroethene	0.47	U	0.47	25.0	ug/L
127-18-4	Tetrachloroethene	1.20	U	1.20	25.0	ug/L
108-90-7	Chlorobenzene	0.60	U	0.60	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 (75) - 130 (124)	107%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	8.212			
540-36-3	1,4-Difluorobenzene	262000	9.082			
3114-55-4	Chlorobenzene-d5	246000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.77			

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.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2646-03	FRAC TANK	1,2-Dichloroethane-d4	50	54.8	110		70 (74)	130 (125)
		Dibromofluoromethane	50	53.5	107		70 (75)	130 (124)
		Toluene-d8	50	51.3	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VN0721WBL01	VN0721WBL01	1,2-Dichloroethane-d4	50	54.7	109		70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103		70 (75)	130 (124)
		Toluene-d8	50	51.0	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93		70 (77)	130 (121)
VN0721WBS01	VN0721WBS01	1,2-Dichloroethane-d4	50	47.3	95		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	50.4	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100		70 (77)	130 (121)
VN0721WBSD0	VN0721WBSD01	1,2-Dichloroethane-d4	50	47.2	94		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	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.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.1	ug/L	91			70 (74)	130 (110)	
	2-Butanone	100	86.4	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	Chloroform	20	17.9	ug/L	90			70 (79)	130 (113)	
	Benzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	Tetrachloroethene	20	18.3	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.6	ug/L	93			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.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0721WBSD01	Vinyl chloride	20	19.0	ug/L	95	0		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	17.6	ug/L	88	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	88.2	ug/L	88	2		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.8	ug/L	99	1		70 (77)	130 (113)	20 (15)
	Chloroform	20	18.4	ug/L	92	2		70 (79)	130 (113)	20 (20)
	Benzene	20	19.2	ug/L	96	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.8	ug/L	94	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	0		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	19.3	ug/L	97	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.6	ug/L	93	0		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0721WBL01

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087370.D | Lab Sample ID: VN0721WBL01

Date Analyzed: 07/21/2025 | Time Analyzed: 11:34

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
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025
FRAC TANK	Q2646-03	VN087385.D	07/21/2025

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: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG NO.: Q2646
Lab File ID: VN087367.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_N
BFB Injection Time: 10:05
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	21.1
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087368.D	07/21/2025	10:38
VN0721WBL01	VN0721WBL01	VN087370.D	07/21/2025	11:34
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025	11:55
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025	12:30
FRAC TANK	Q2646-03	VN087385.D	07/21/2025	17:07

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202357	8.21	342303	9.08	307825	11.85
UPPER LIMIT	404714	8.706	684606	9.583	615650	12.347
LOWER LIMIT	101179	7.706	171152	8.583	153913	11.347
EPA SAMPLE NO.						
FRAC TANK	132035	8.21	262033	9.08	246052	11.85
VN0721WBL01	164239	8.21	328305	9.08	300772	11.85
VN0721WBS01	195078	8.21	337215	9.09	308523	11.85
VN0721WBSD01	190787	8.21	328848	9.08	296338	11.85

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: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS4 AREA #	RT #				
12 HOUR STD	162263	13.77				
UPPER LIMIT	324526	14.27				
LOWER LIMIT	81131.5	13.27				
EPA SAMPLE NO.						
FRAC TANK	131454	13.77				
VN0721WBL01	133337	13.77				
VN0721WBS01	161452	13.77				
VN0721WBSD01	158557	13.77				

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	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:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	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
67-66-3	Chloroform	0.25	U	0.25	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
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
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.212			
540-36-3	1,4-Difluorobenzene	328000	9.083			
3114-55-4	Chlorobenzene-d5	301000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.771			

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	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:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
78-93-3	2-Butanone	86.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
67-66-3	Chloroform	17.9		0.25	1.00	ug/L
71-43-2	Benzene	19.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.206			
540-36-3	1,4-Difluorobenzene	337000	9.088			
3114-55-4	Chlorobenzene-d5	309000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.77			

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	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:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.206			
540-36-3	1,4-Difluorobenzene	329000	9.082			
3114-55-4	Chlorobenzene-d5	296000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.77			

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: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG No.: Q2646
Instrument ID: MSVOA_N
Calibration Date/Time: 07/21/2025 10:38
Lab File ID: VN087368.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.725		9.19	20
1,1-Dichloroethene	0.571	0.556		-2.63	20
2-Butanone	0.615	0.586		-4.72	20
Carbon Tetrachloride	0.502	0.596		18.73	20
Chloroform	1.251	1.287		2.88	20
Benzene	1.473	1.638		11.2	20
1,2-Dichloroethane	0.558	0.595		6.63	20
Trichloroethene	0.348	0.383		10.06	20
Tetrachloroethene	0.322	0.364		13.04	20
Chlorobenzene	1.123	1.199	0.3	6.77	20
1,2-Dichloroethane-d4	0.848	0.831		-2.01	20
Dibromofluoromethane	0.345	0.356		3.19	20
Toluene-d8	1.230	1.321		7.4	20
4-Bromofluorobenzene	0.455	0.481		5.71	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\VN072125\
Data File : VN087385.D
Acq On : 21 Jul 2025 17:07
Operator : JC\MD
Sample : Q2646-03 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:11:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

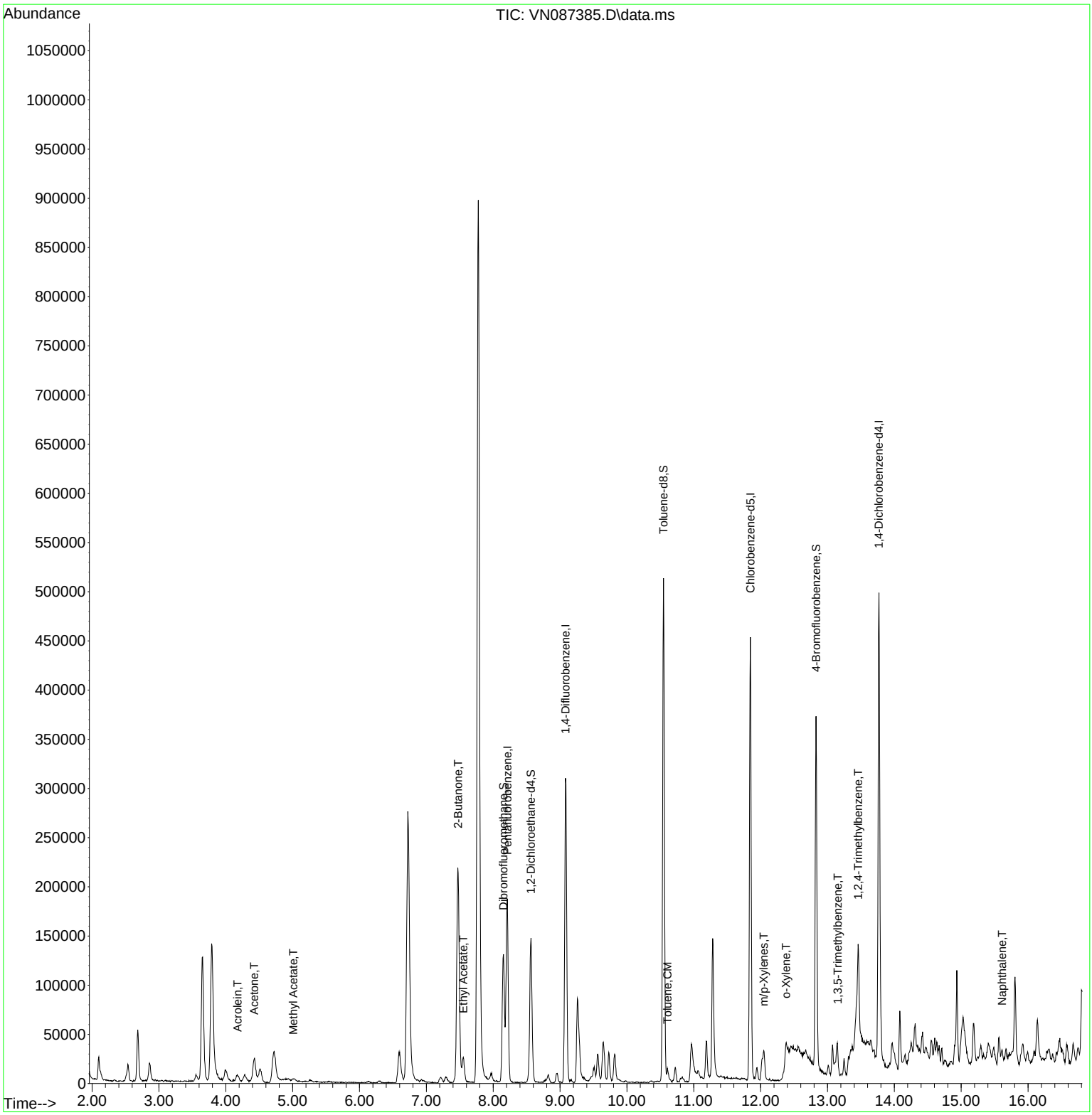
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	132035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	262033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	246052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	131454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	122836	54.829	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.660%			
35) Dibromofluoromethane	8.153	113	96675	53.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.547	98	330647	51.282	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.829	95	126507	53.108	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.220%			
Target Compounds						Qvalue
13) Acrolein	4.177	56	7657	22.429	ug/l	93
16) Acetone	4.424	43	45995	43.787	ug/l	96
18) Methyl Acetate	5.012	43	5555	2.105	ug/l #	88
25) 2-Butanone	7.477	43	367990	226.731	ug/l	99
37) Ethyl Acetate	7.553	43	34609	10.035	ug/l	98
52) Toluene	10.606	92	4803	1.024	ug/l	85
68) m/p-Xylenes	12.047	106	7752	2.276	ug/l	99
69) o-Xylene	12.382	106	5115	1.572	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	8852	1.256	ug/l	93
84) 1,2,4-Trimethylbenzene	13.459	105	42638	5.923	ug/l	99
95) Naphthalene	15.611	128	12073	1.454	ug/l #	91

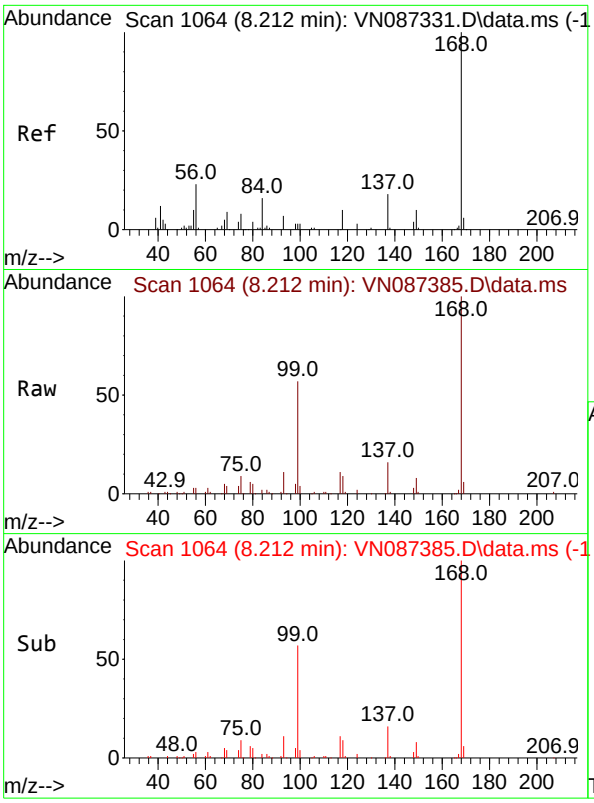
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087385.D
Acq On : 21 Jul 2025 17:07
Operator : JC\MD
Sample : Q2646-03 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:11:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



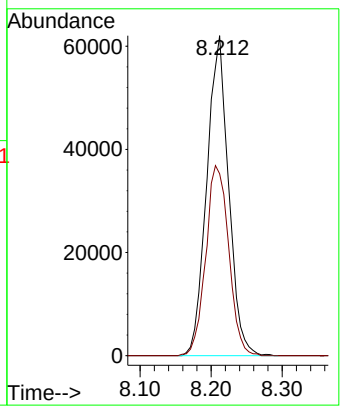


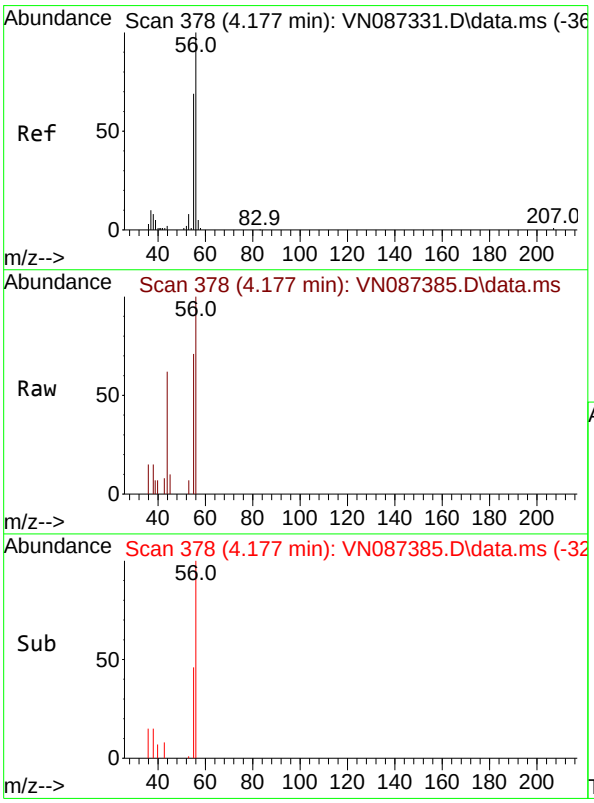
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:168 Resp: 132035

Ion	Ratio	Lower	Upper
168	100		
99	56.9	47.9	71.9

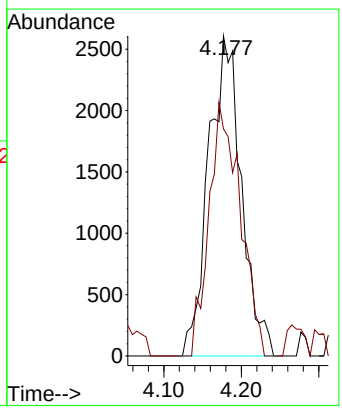


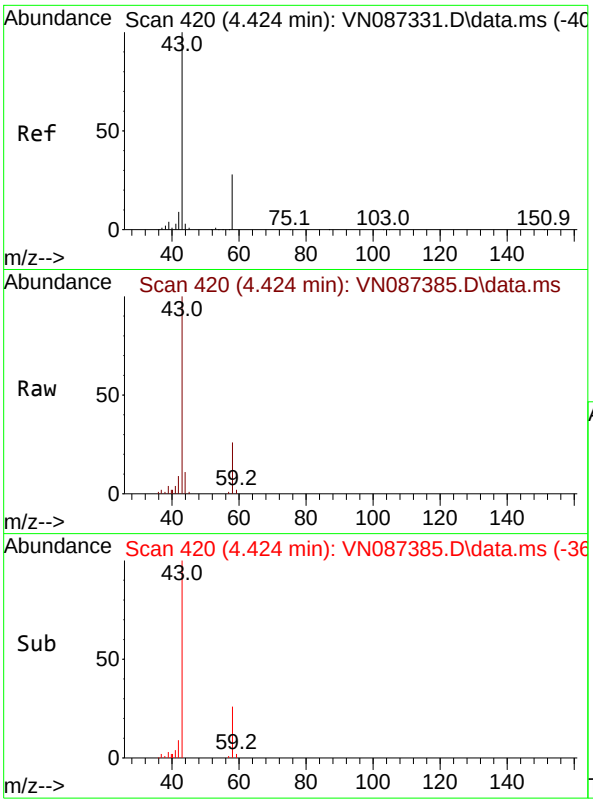


#13
Acrolein
Concen: 22.429 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion: 56 Resp: 7657

Ion	Ratio	Lower	Upper
56	100		
55	75.7	56.2	84.4



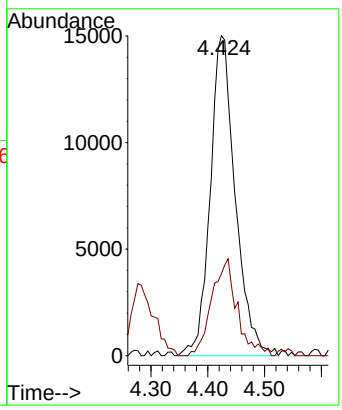


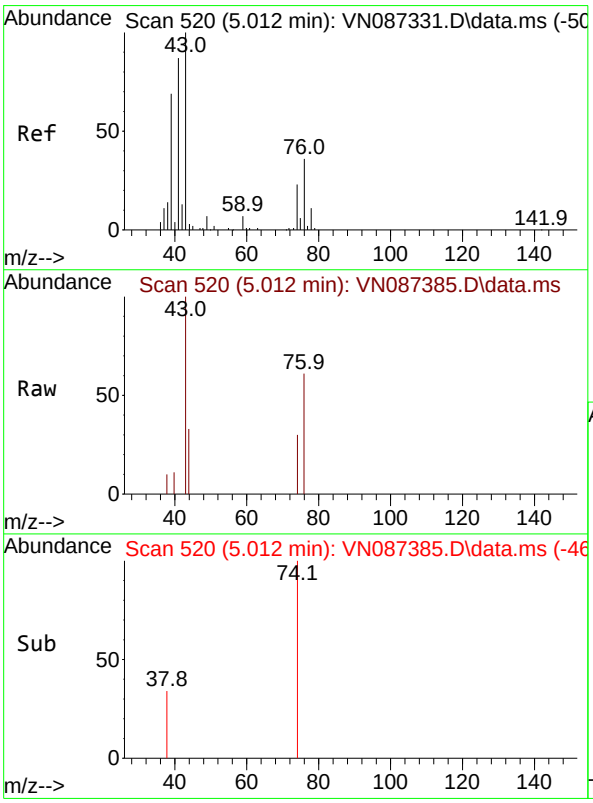
#16
Acetone
Concen: 43.787 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 45995

Ion	Ratio	Lower	Upper
43	100		
58	25.6	22.3	33.5

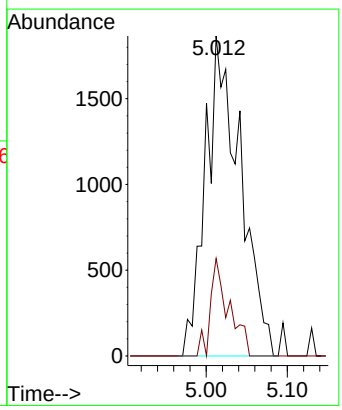


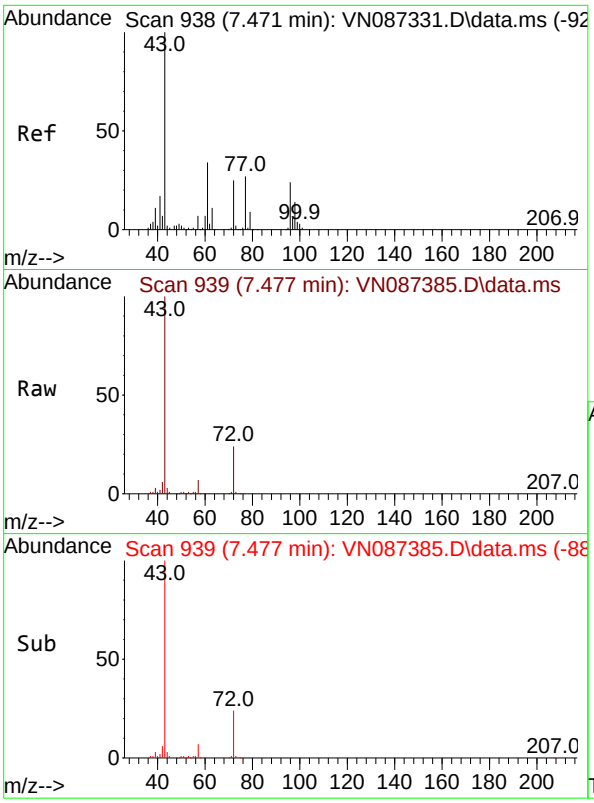


#18
Methyl Acetate
Concen: 2.105 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion: 43 Resp: 5555

Ion	Ratio	Lower	Upper
43	100		
74	16.2	17.8	26.6#



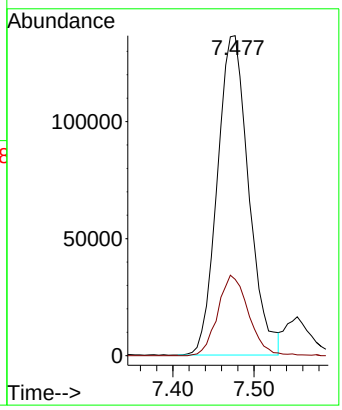


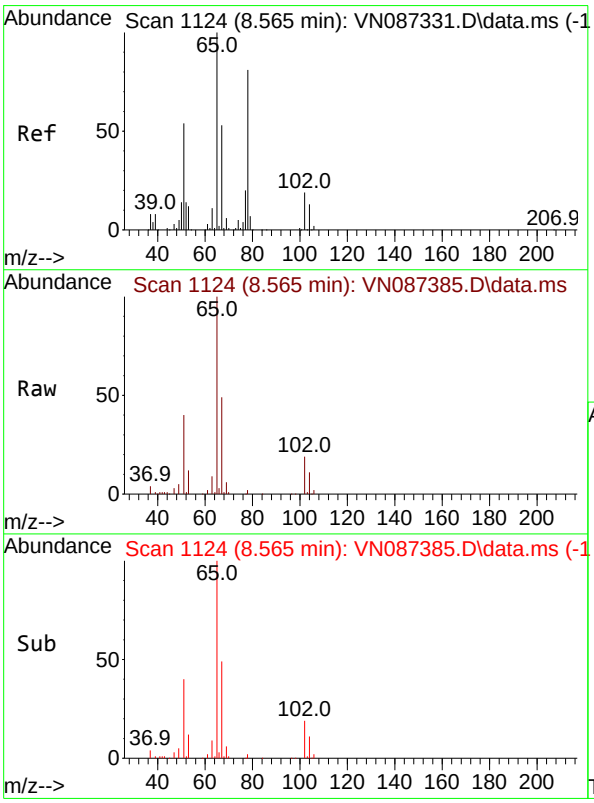
#25
2-Butanone
Concen: 226.731 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 367990

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.6	29.4

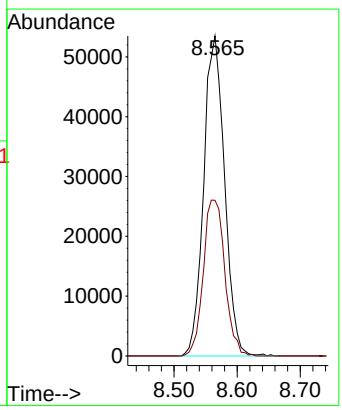


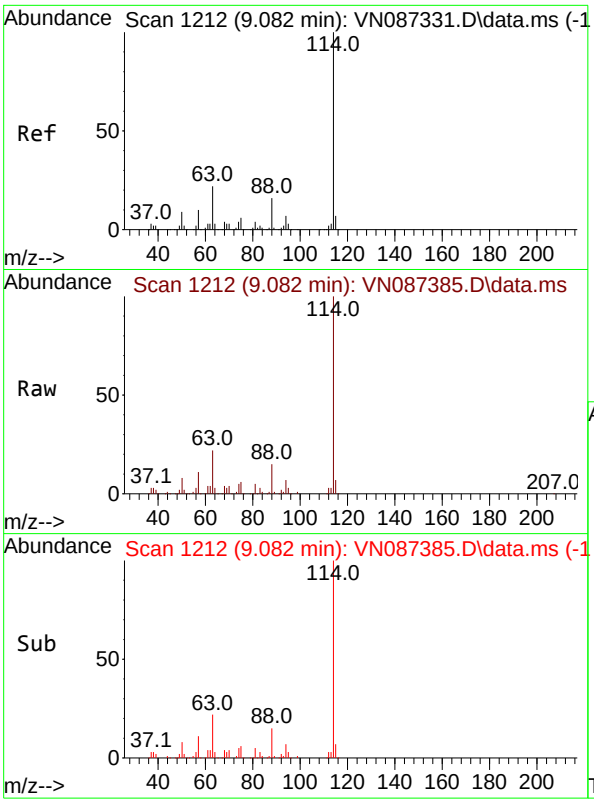


#33
1,2-Dichloroethane-d4
Concen: 54.829 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion: 65 Resp: 122836

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	104.0



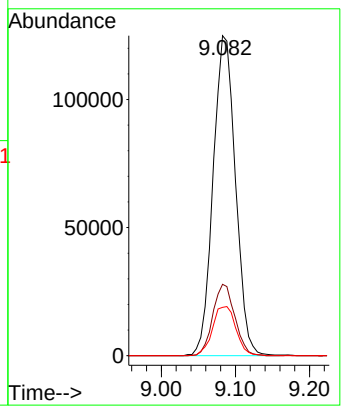


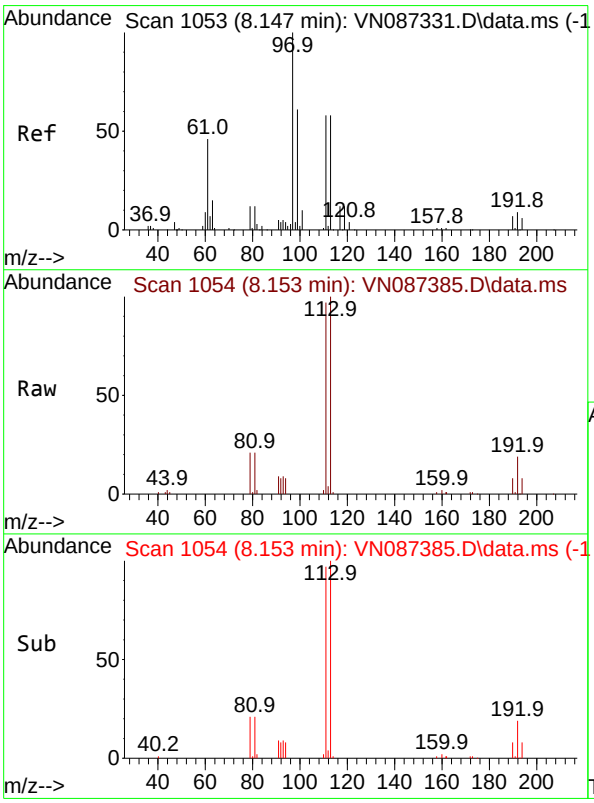
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:114 Resp: 262033

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.6
88	15.1	0.0	32.8

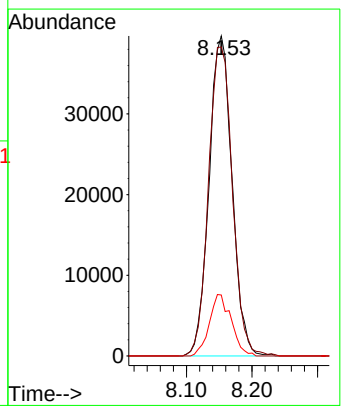


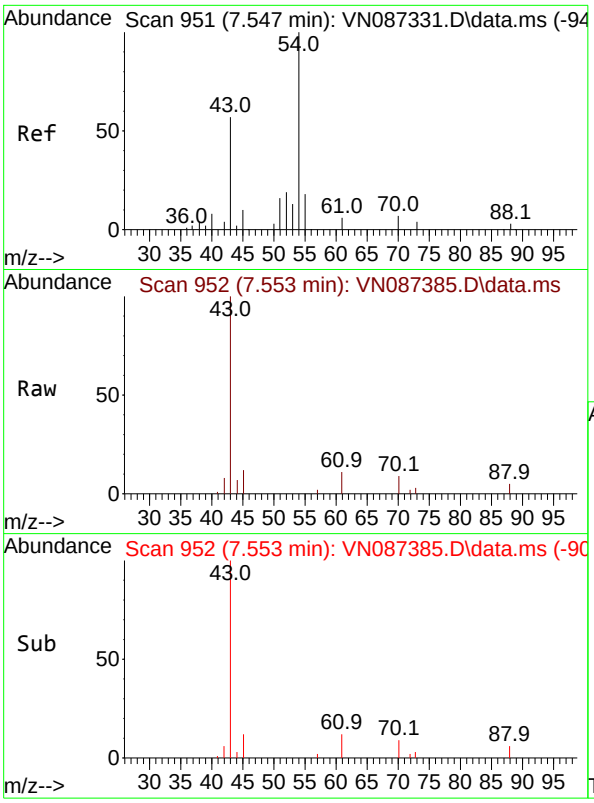


#35
Dibromofluoromethane
Concen: 53.485 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion:113 Resp: 96675

Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.5	123.7
192	18.3	13.7	20.5



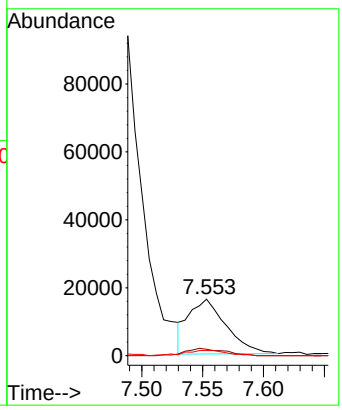


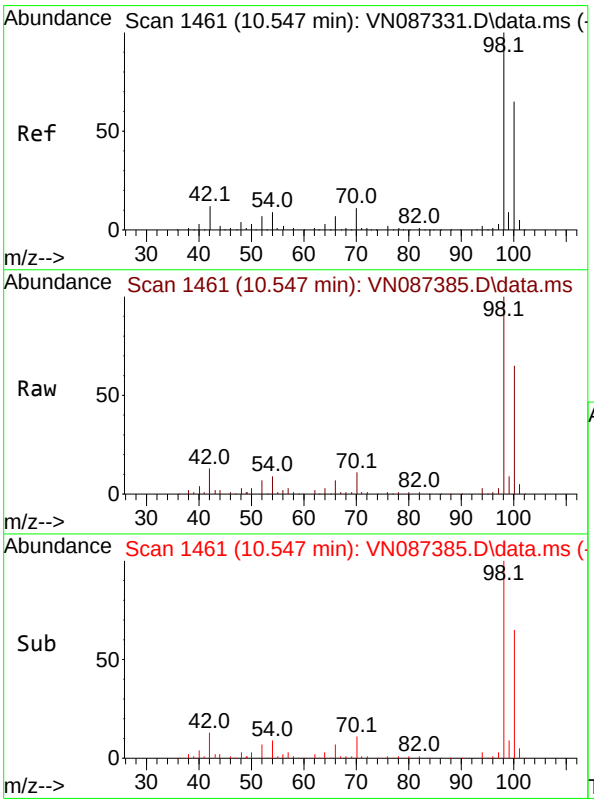
#37
Ethyl Acetate
Concen: 10.035 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 34609

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	11.0	7.4	11.0

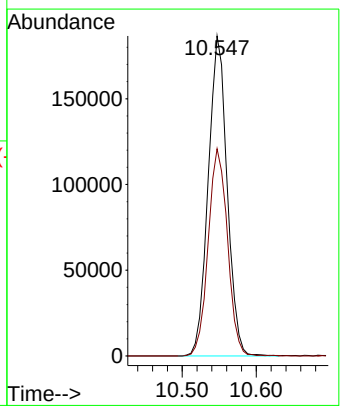


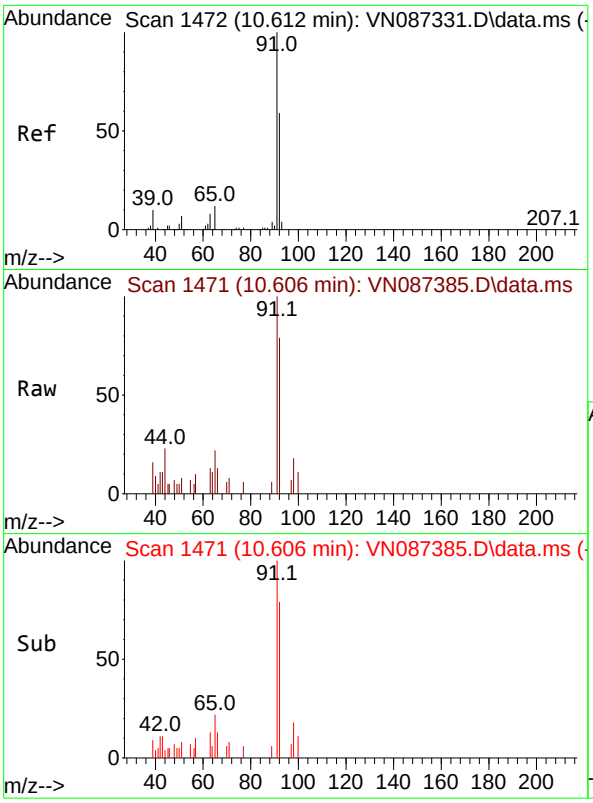


#50
Toluene-d8
Concen: 51.282 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion: 98 Resp: 330647

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1



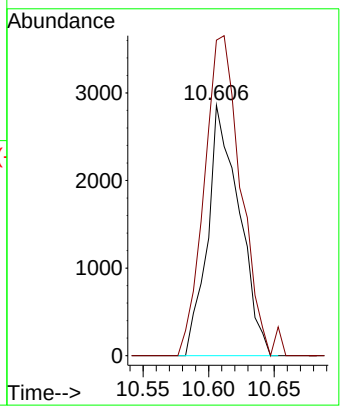


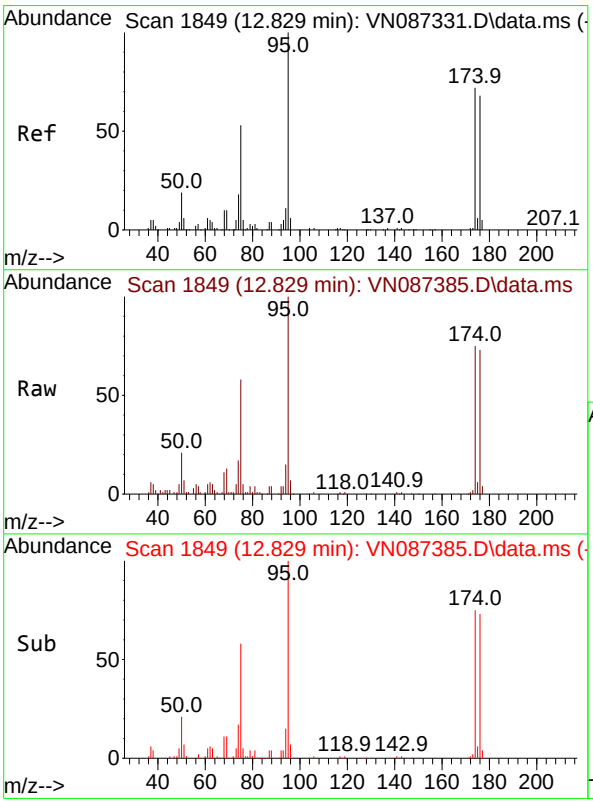
#52
Toluene
Concen: 1.024 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 92 Resp: 4803

Ion	Ratio	Lower	Upper
92	100		
91	148.6	135.1	202.7

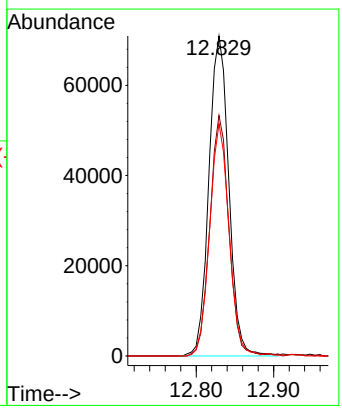


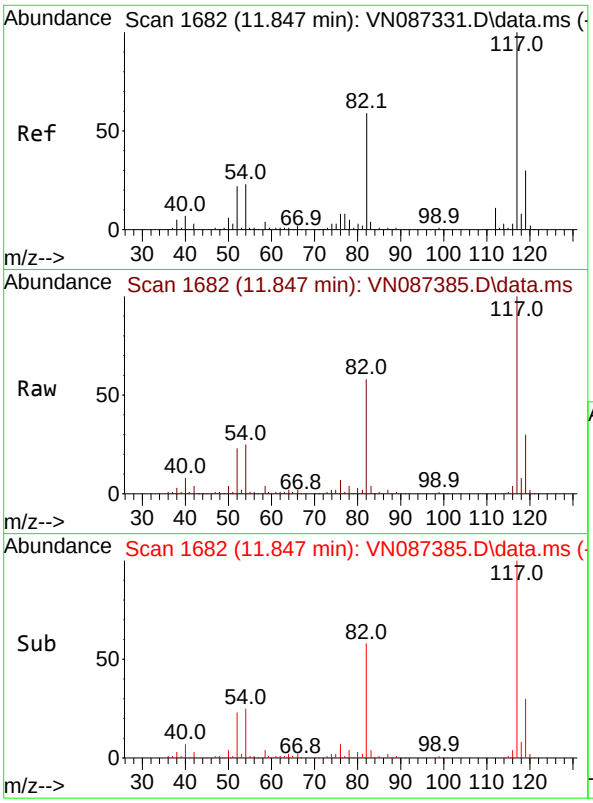


#62
4-Bromofluorobenzene
Concen: 53.108 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion: 95 Resp: 126507

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	149.4
176	70.8	0.0	141.2



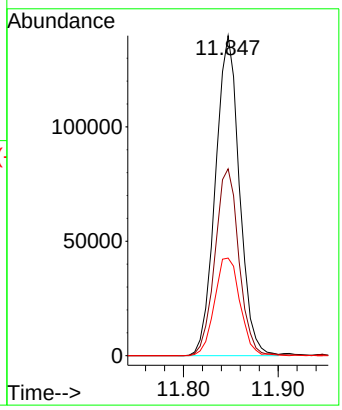


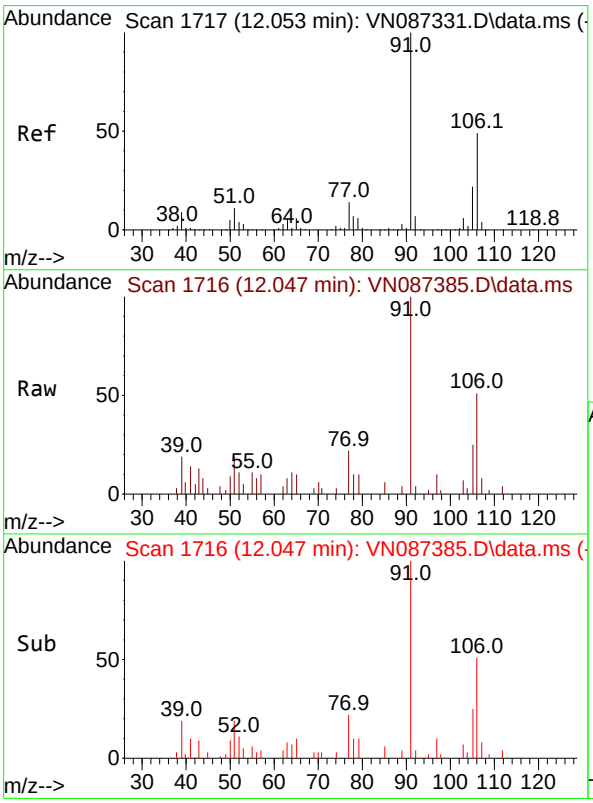
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:117 Resp: 246052

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.4	71.2
119	30.5	23.8	35.8

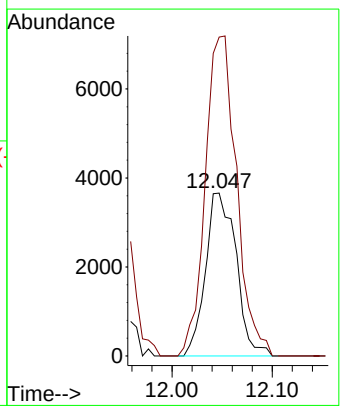


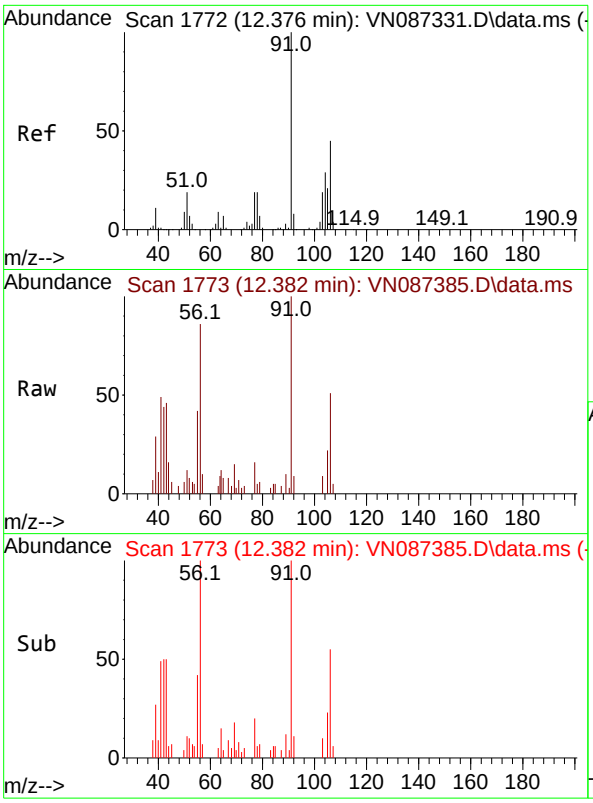


#68
m/p-Xylenes
Concen: 2.276 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion:106 Resp: 7752

Ion	Ratio	Lower	Upper
106	100		
91	200.9	162.0	243.0



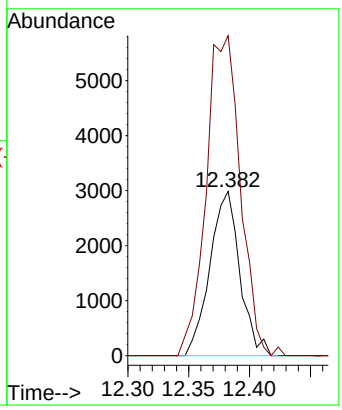


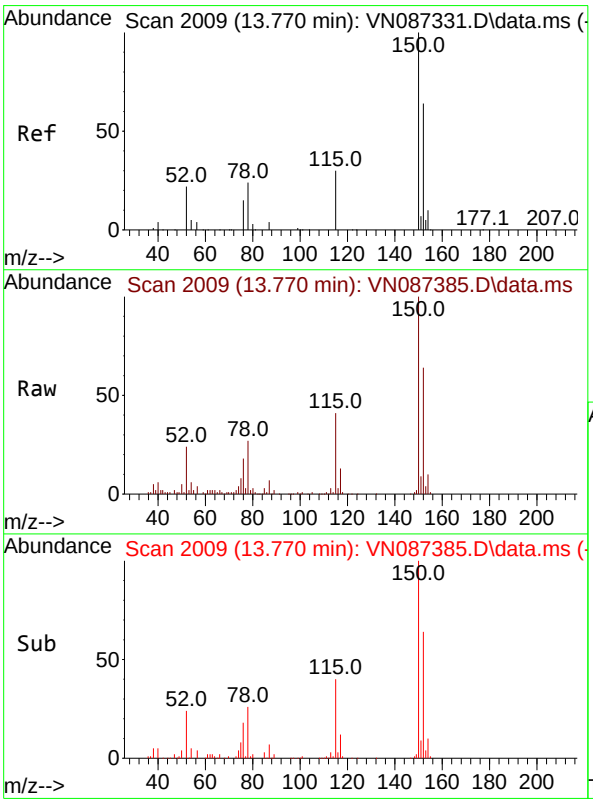
#69
o-Xylene
Concen: 1.572 ug/l
RT: 12.382 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:106 Resp: 5115

Ion	Ratio	Lower	Upper
106	100		
91	222.6	107.7	323.3

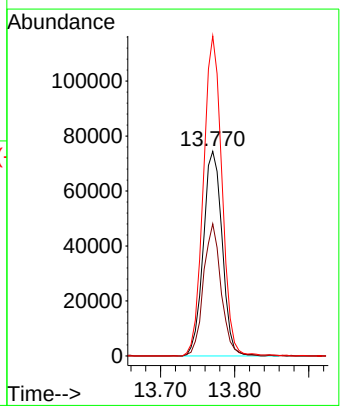




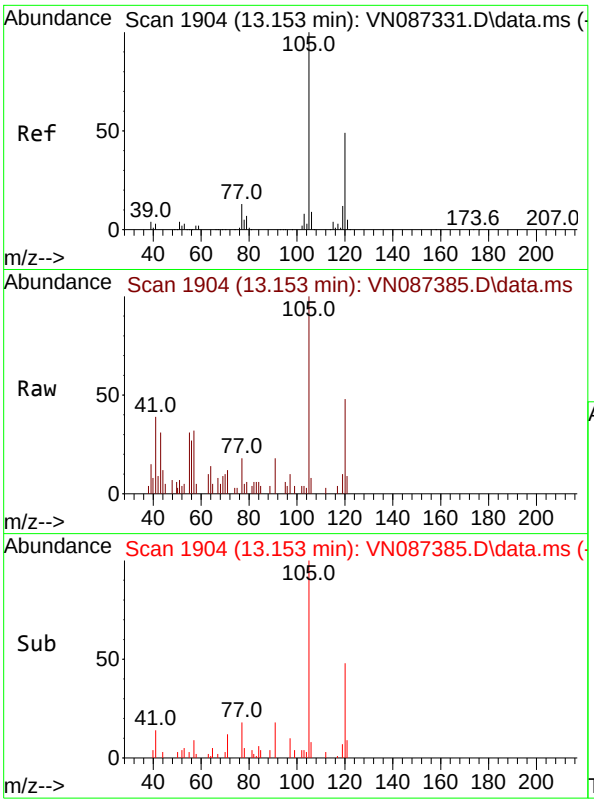
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion:152 Resp: 131454

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.1	93.5
150	154.0	0.0	349.0



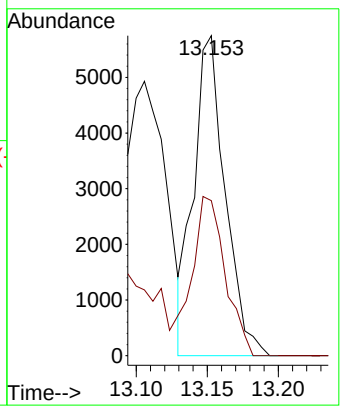
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

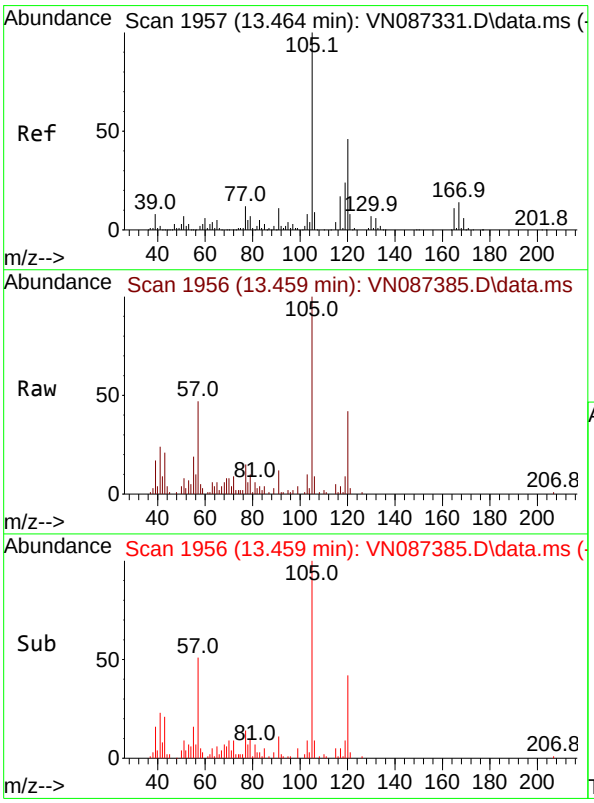


#80
1,3,5-Trimethylbenzene
Concen: 1.256 ug/l
RT: 13.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion:105 Resp: 8852

Ion	Ratio	Lower	Upper
105	100		
120	53.3	24.3	72.8

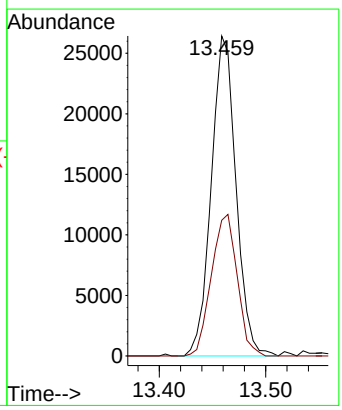


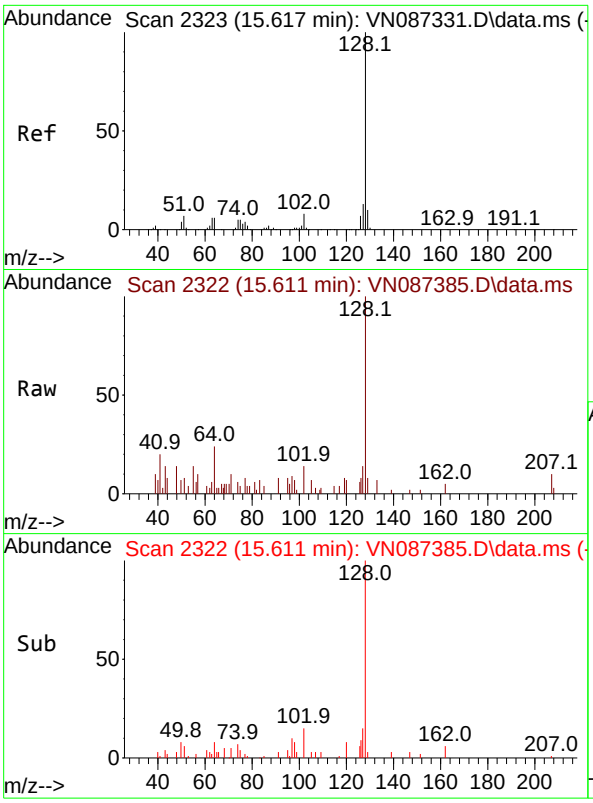


#84
1,2,4-Trimethylbenzene
Concen: 5.923 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Tgt Ion:105 Resp: 42638

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.3



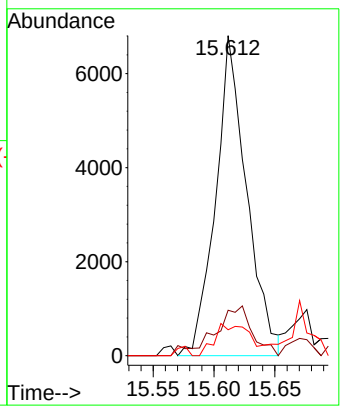


#95
Naphthalene
Concen: 1.454 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087385.D
Acq: 21 Jul 2025 17:07

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:128 Resp: 12073

Ion	Ratio	Lower	Upper
128	100		
127	18.8	10.5	15.7#
129	11.3	8.4	12.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	164239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	328305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	133337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152384	54.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	8.153	113	116283	51.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.547	98	411775	50.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.829	95	138566	46.428	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.860%			

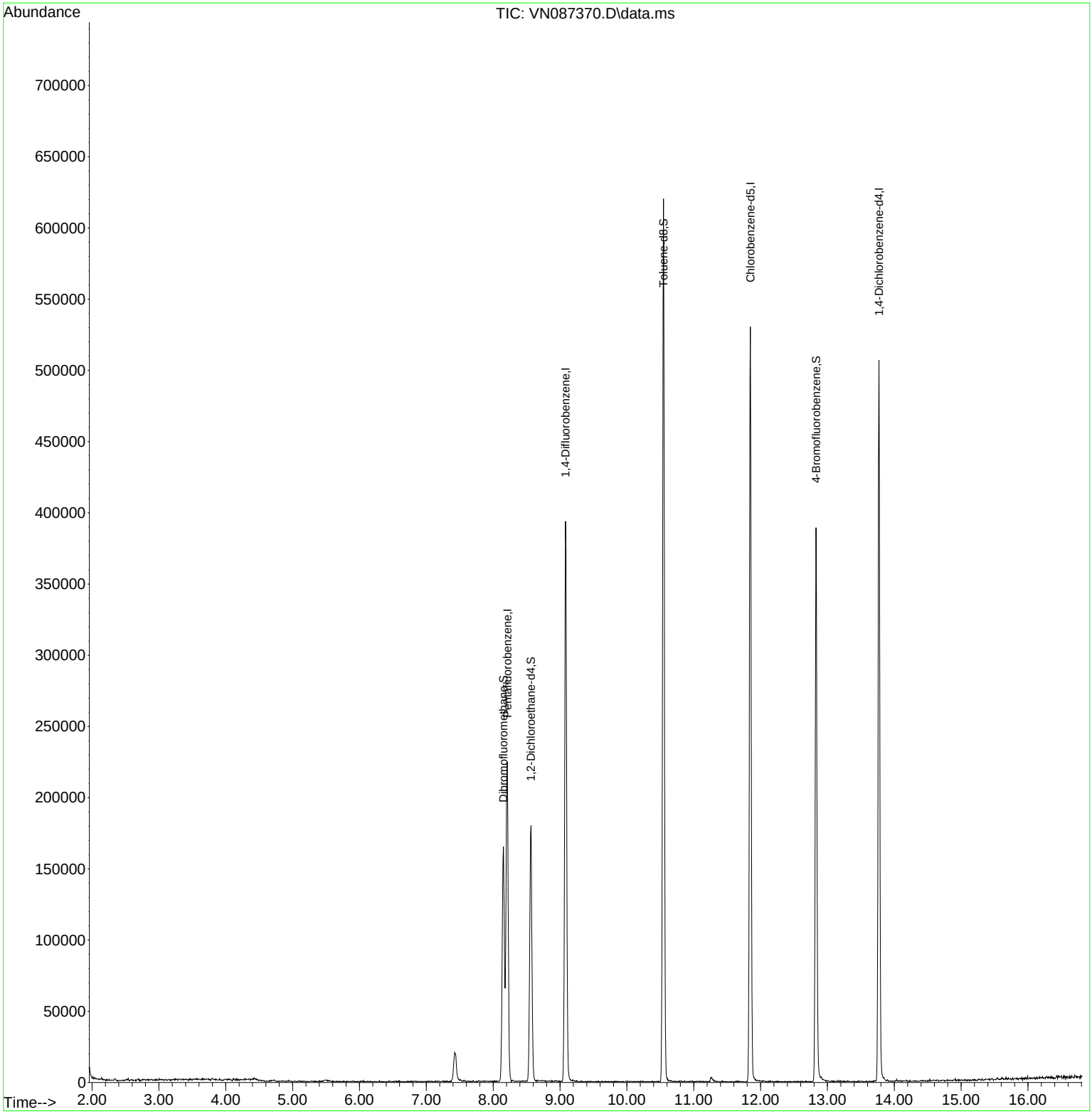
Target Compounds Qvalue

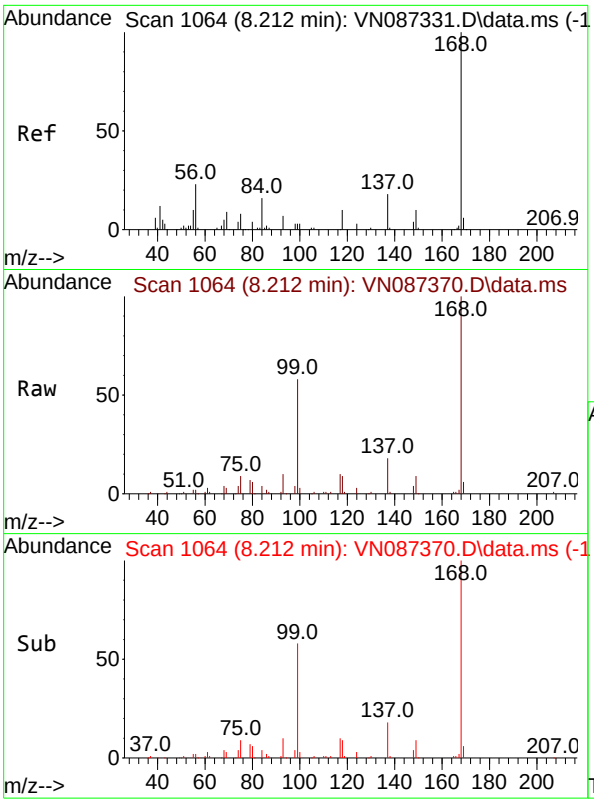
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



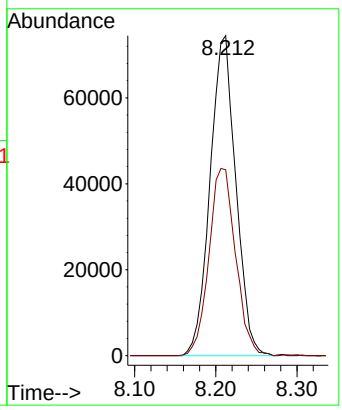


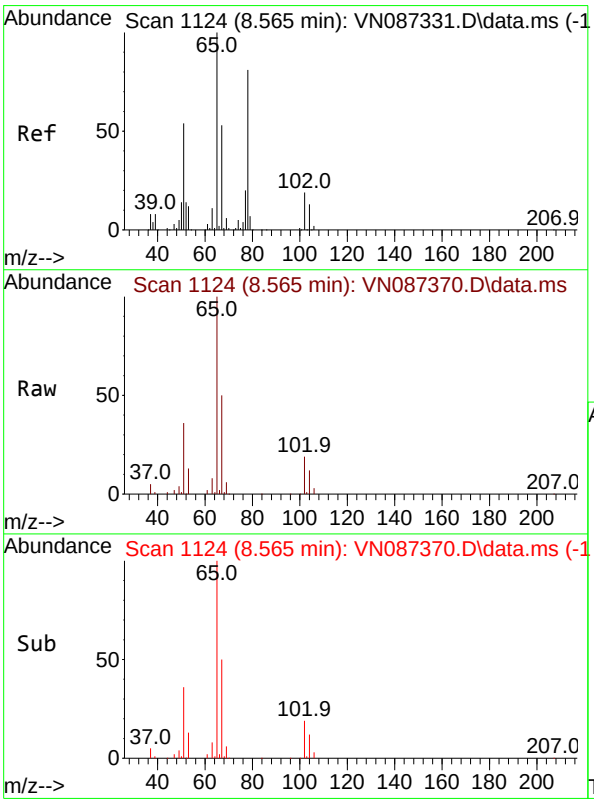
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:168 Resp: 164239

Ion	Ratio	Lower	Upper
168	100		
99	58.1	47.9	71.9

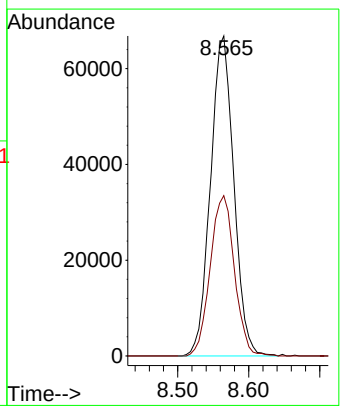


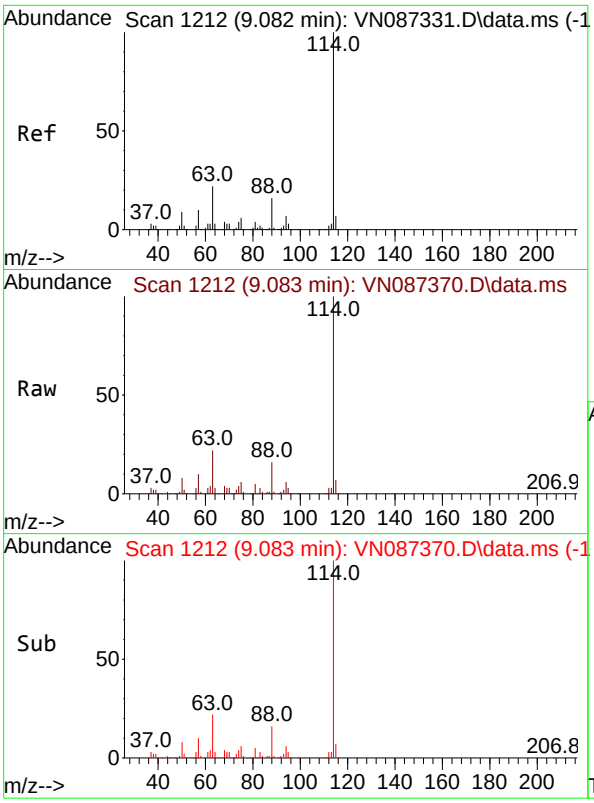


#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 65 Resp: 152384

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



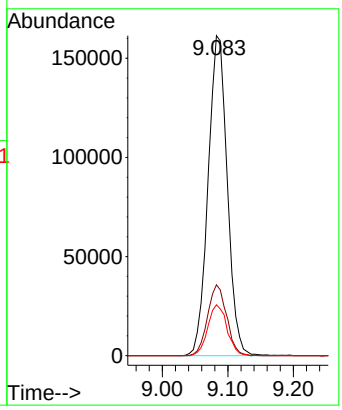


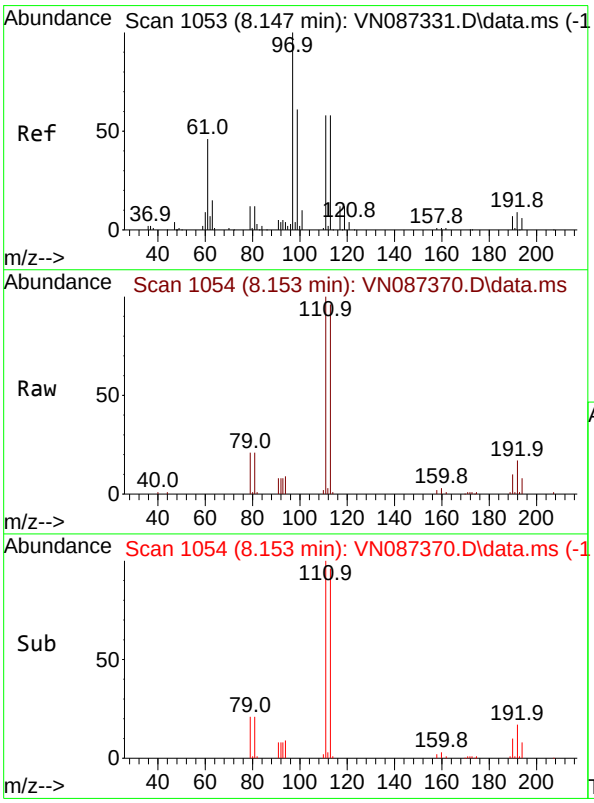
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:114 Resp: 328305

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.6
88	15.9	0.0	32.8

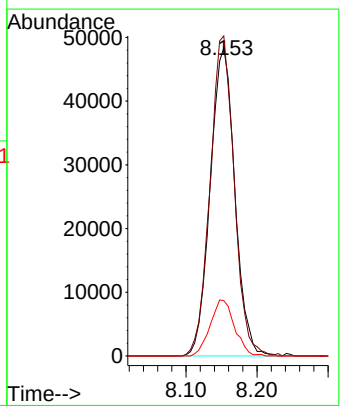


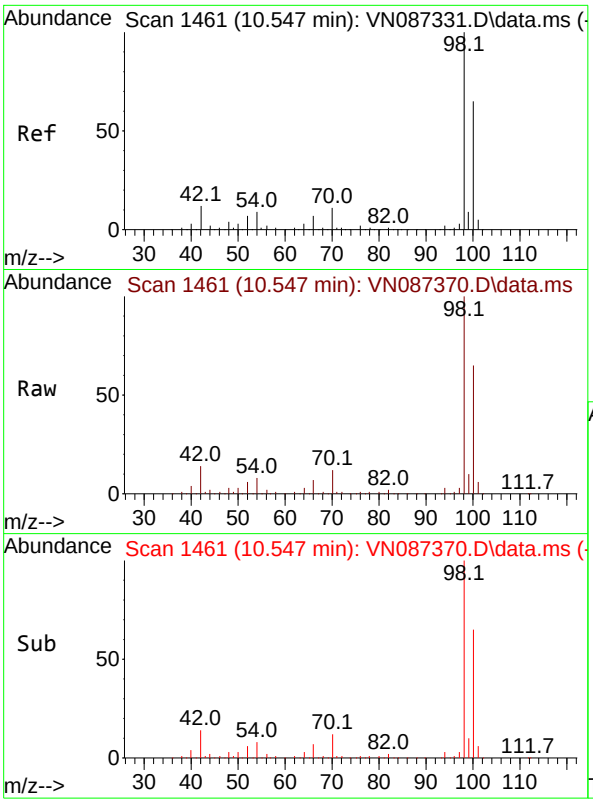


#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:113 Resp: 116283

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.5	123.7
192	18.0	13.7	20.5



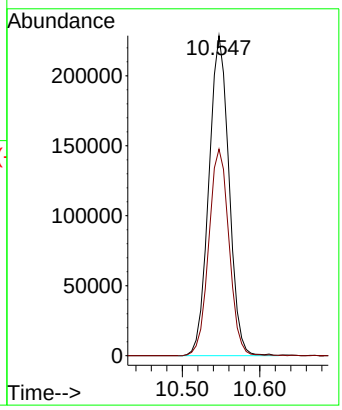


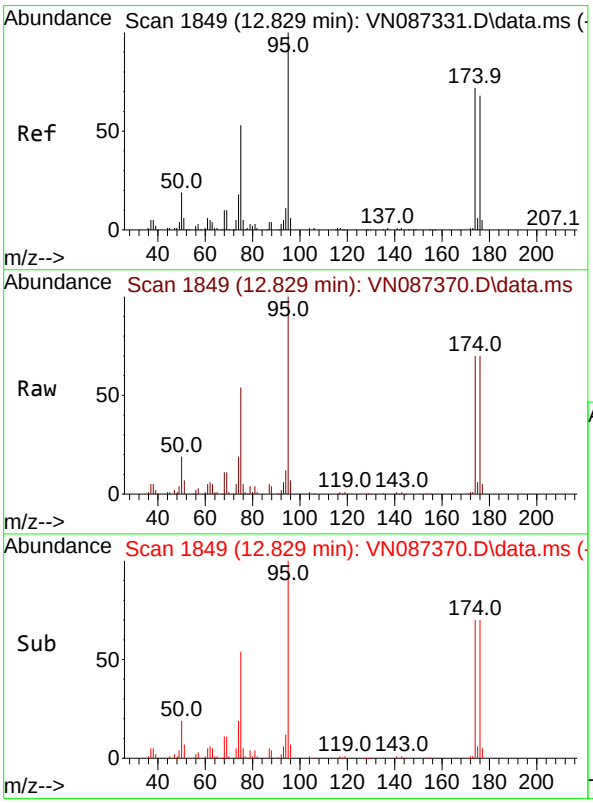
#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 98 Resp: 411775

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

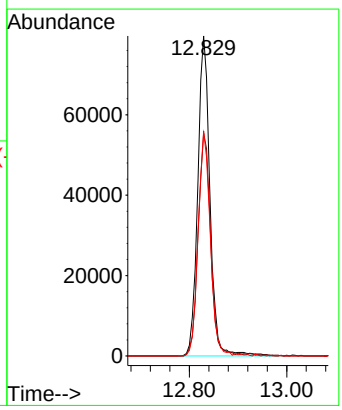


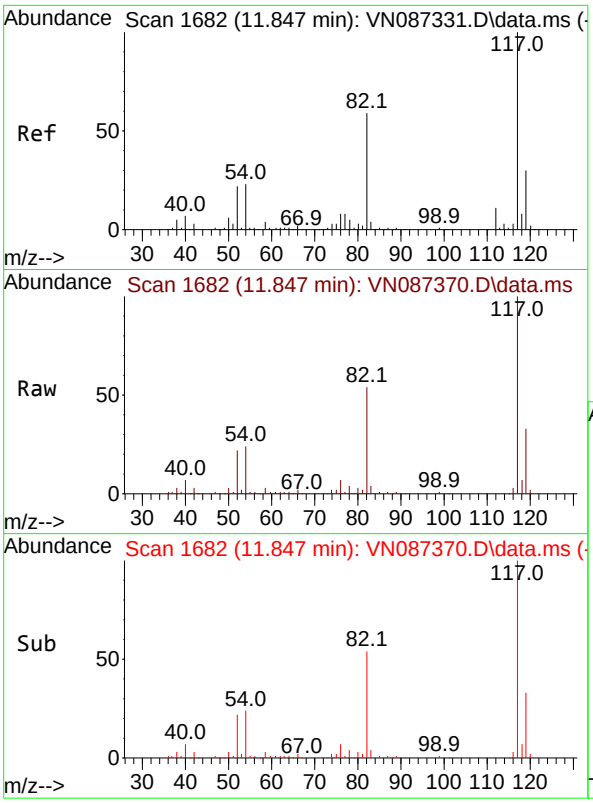


#62
4-Bromofluorobenzene
Concen: 46.428 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 95 Resp: 138566

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	149.4
176	70.0	0.0	141.2



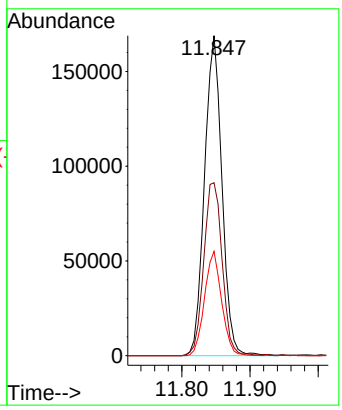


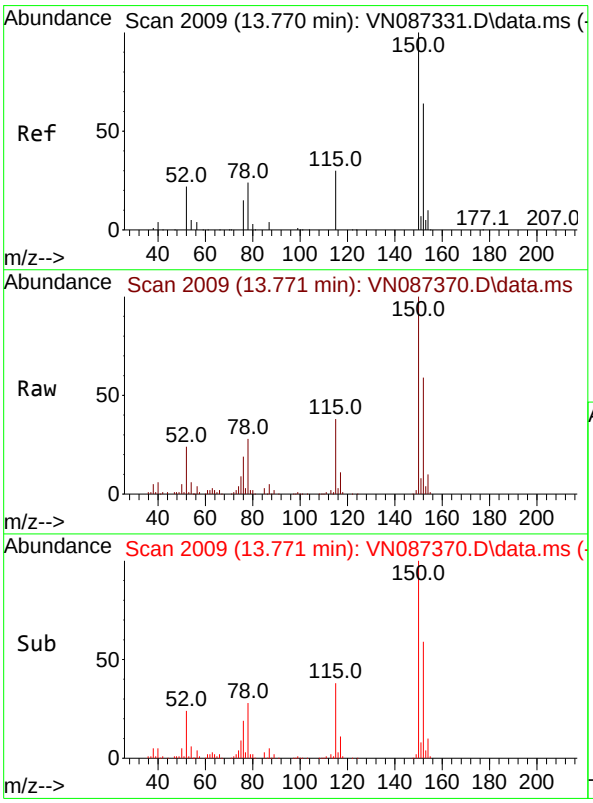
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:117 Resp: 300772

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.4	71.2
119	32.6	23.8	35.8

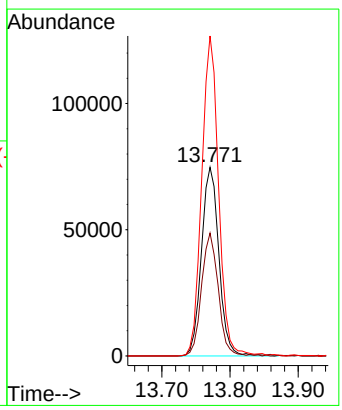




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:152 Resp: 133337

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.5
150	164.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	195078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	337215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	308523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156616	47.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.640%			
35) Dibromofluoromethane	8.153	113	113549	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	10.547	98	418084	50.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.829	95	152963	49.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45478	21.949	ug/l	93
3) Chloromethane	2.389	50	49057	18.828	ug/l	96
4) Vinyl Chloride	2.542	62	49167	18.988	ug/l	97
5) Bromomethane	2.983	94	25728	19.187	ug/l	97
6) Chloroethane	3.142	64	30502	18.063	ug/l	92
7) Trichlorofluoromethane	3.512	101	73088	19.089	ug/l	89
8) Diethyl Ether	3.965	74	25832	17.392	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40048	20.375	ug/l	98
10) Methyl Iodide	4.577	142	28199	18.006	ug/l	98
11) Tert butyl alcohol	5.524	59	53952	85.841	ug/l	98
12) 1,1-Dichloroethene	4.336	96	40303	18.095	ug/l	95
13) Acrolein	4.183	56	42192	83.649	ug/l	93
14) Allyl chloride	5.018	41	69156	17.157	ug/l	99
15) Acrylonitrile	5.712	53	142826	83.743	ug/l	99
16) Acetone	4.424	43	133162	85.801	ug/l	99
17) Carbon Disulfide	4.706	76	121611	18.416	ug/l	95
18) Methyl Acetate	5.018	43	68652	17.607	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	140893	17.162	ug/l	97
20) Methylene Chloride	5.271	84	46556	17.327	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	44578	17.750	ug/l	92
22) Diisopropyl ether	6.659	45	157889	18.674	ug/l	94
23) Vinyl Acetate	6.588	43	694729	93.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	85653	17.559	ug/l	98
25) 2-Butanone	7.471	43	207099	86.364	ug/l	99
26) 2,2-Dichloropropane	7.477	77	77666	20.479	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	51900	17.950	ug/l	98
28) Bromochloromethane	7.800	49	41440	17.751	ug/l	99
29) Tetrahydrofuran	7.830	42	131520	84.427	ug/l	99
30) Chloroform	7.947	83	87539	17.929	ug/l	97
31) Cyclohexane	8.241	56	81992	20.149	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	78792	18.632	ug/l	97
36) 1,1-Dichloropropene	8.359	75	61263	19.935	ug/l	100
37) Ethyl Acetate	7.553	43	78541	17.696	ug/l	96
38) Carbon Tetrachloride	8.347	117	66297	19.583	ug/l	93
39) Methylcyclohexane	9.582	83	69647	20.933	ug/l #	91
40) Benzene	8.588	78	192485	19.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	41272	17.784	ug/l		96
42) 1,2-Dichloroethane	8.653	62	68935	18.301	ug/l		99
43) Isopropyl Acetate	8.677	43	124383	18.053	ug/l		100
44) Trichloroethene	9.335	130	44065	18.776	ug/l		86
45) 1,2-Dichloropropane	9.600	63	48604	19.258	ug/l	#	87
46) Dibromomethane	9.694	93	34607	18.314	ug/l		98
47) Bromodichloromethane	9.871	83	69750	18.326	ug/l		94
48) Methyl methacrylate	9.665	41	55452	17.877	ug/l		97
49) 1,4-Dioxane	9.677	88	17060	359.104	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.429	43	401014	92.023	ug/l		99
52) Toluene	10.612	92	116138	19.237	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	72070	18.710	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	74540	18.734	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	45751	18.718	ug/l	#	87
56) Ethyl methacrylate	10.859	69	66938	17.074	ug/l		97
57) 1,3-Dichloropropane	11.141	76	78676	18.617	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	195869	97.690	ug/l		100
59) 2-Hexanone	11.176	43	264794	91.587	ug/l		99
60) Dibromochloromethane	11.341	129	52477	18.826	ug/l		96
61) 1,2-Dibromoethane	11.453	107	44615	17.360	ug/l		99
64) Tetrachloroethene	11.082	164	36432	18.347	ug/l		97
65) Chlorobenzene	11.871	112	128645	18.573	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	44082	18.716	ug/l		99
67) Ethyl Benzene	11.941	91	206561	18.115	ug/l		99
68) m/p-Xylenes	12.053	106	168727	39.515	ug/l		98
69) o-Xylene	12.376	106	75002	18.388	ug/l		100
70) Styrene	12.394	104	132593	19.325	ug/l		99
71) Bromoform	12.559	173	34591	18.179	ug/l	#	97
73) Isopropylbenzene	12.676	105	198119	19.497	ug/l		98
74) N-amyl acetate	12.512	43	82883m	19.632	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	70547	18.451	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	61699m	17.042	ug/l		
77) Bromobenzene	12.959	156	49824	18.906	ug/l		99
78) n-propylbenzene	13.018	91	256928	20.096	ug/l		100
79) 2-Chlorotoluene	13.106	91	152583	19.419	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	174332	20.136	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	22951	17.345	ug/l		95
82) 4-Chlorotoluene	13.200	91	154290	18.861	ug/l		99
83) tert-Butylbenzene	13.417	119	146165	20.214	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	177920	20.123	ug/l		100
85) sec-Butylbenzene	13.594	105	220837	20.275	ug/l		99
86) p-Isopropyltoluene	13.706	119	181563	20.801	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98893	19.120	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99576	18.026	ug/l		95
89) n-Butylbenzene	14.035	91	170515	20.458	ug/l		99
90) Hexachloroethane	14.306	117	36514	19.744	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	94733	19.334	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.694	75	16367	16.304	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	55564	19.305	ug/l		99
94) Hexachlorobutadiene	15.476	225	24726	23.120	ug/l		96
95) Naphthalene	15.617	128	175395	17.202	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	54756	18.966	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

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

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

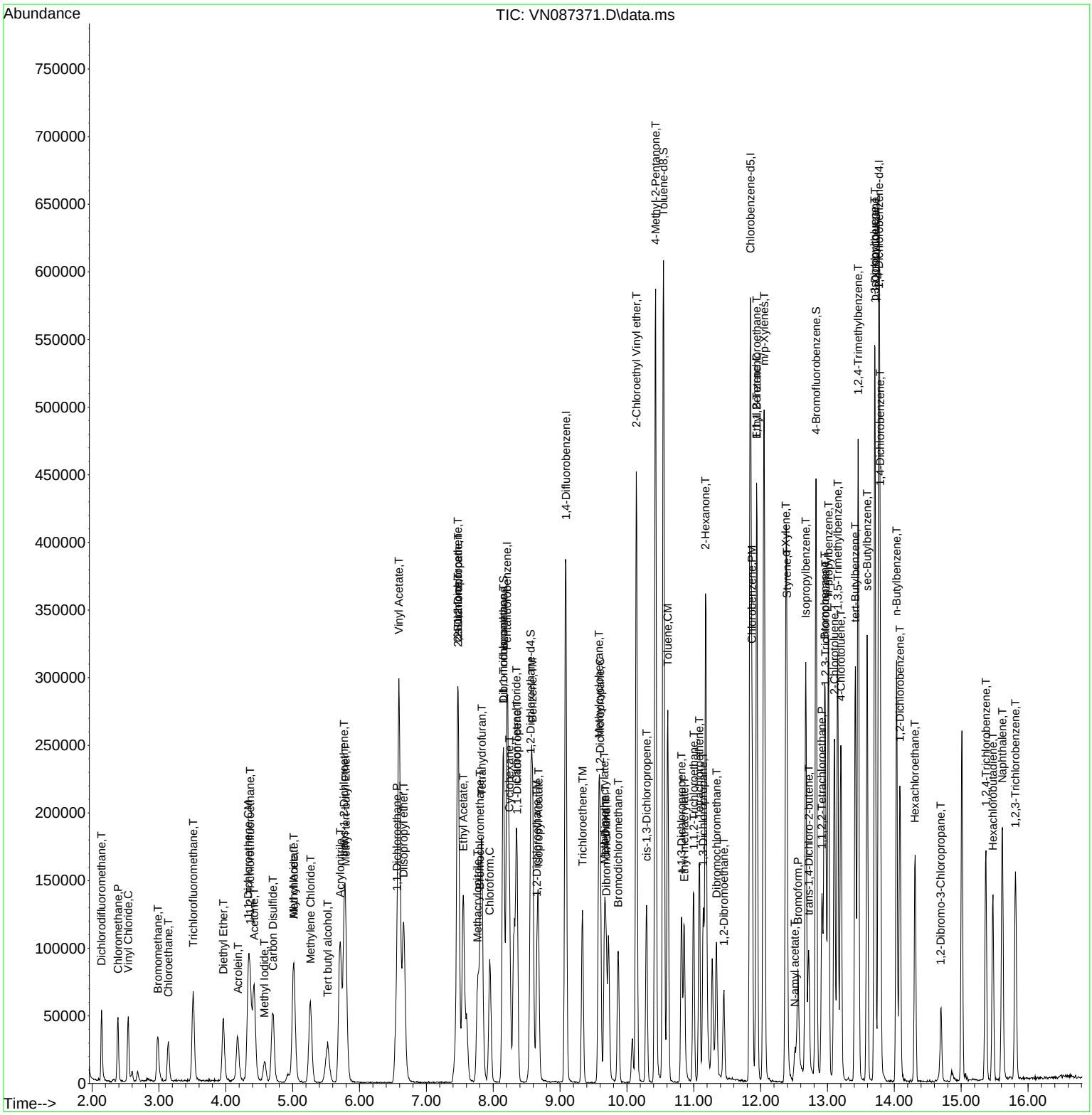
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	190787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	328848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	296338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152790	47.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.147	113	114140	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	10.547	98	409499	50.608	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.829	95	149416	49.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45407	22.408	ug/l	90
3) Chloromethane	2.383	50	47847	18.776	ug/l	91
4) Vinyl Chloride	2.542	62	48142	19.010	ug/l	92
5) Bromomethane	2.983	94	26007	19.831	ug/l	98
6) Chloroethane	3.136	64	30475	18.453	ug/l	100
7) Trichlorofluoromethane	3.512	101	73764	19.698	ug/l	88
8) Diethyl Ether	3.959	74	25592	17.618	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.359	101	37700	19.612	ug/l	98
10) Methyl Iodide	4.577	142	30353	19.251	ug/l	98
11) Tert butyl alcohol	5.518	59	56647	92.156	ug/l	99
12) 1,1-Dichloroethene	4.330	96	38399	17.628	ug/l	93
13) Acrolein	4.177	56	42955	87.077	ug/l	98
14) Allyl chloride	5.018	41	65923	16.722	ug/l	98
15) Acrylonitrile	5.706	53	148783	89.198	ug/l	99
16) Acetone	4.430	43	126421	83.289	ug/l	99
17) Carbon Disulfide	4.700	76	119923	18.569	ug/l	96
18) Methyl Acetate	5.018	43	69706	18.279	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	144862	18.042	ug/l	99
20) Methylene Chloride	5.265	84	46355	17.652	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	43844	17.851	ug/l	86
22) Diisopropyl ether	6.659	45	157443	19.040	ug/l #	95
23) Vinyl Acetate	6.589	43	712495	98.517	ug/l	99
24) 1,1-Dichloroethane	6.547	63	86682	18.170	ug/l	97
25) 2-Butanone	7.471	43	206854	88.202	ug/l	99
26) 2,2-Dichloropropane	7.471	77	75365	20.319	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52133	18.436	ug/l	96
28) Bromochloromethane	7.800	49	42566	18.643	ug/l	99
29) Tetrahydrofuran	7.830	42	136575	89.644	ug/l	96
30) Chloroform	7.947	83	87803	18.388	ug/l	99
31) Cyclohexane	8.235	56	78716	19.779	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78287	18.929	ug/l	93
36) 1,1-Dichloropropene	8.353	75	59988	20.016	ug/l	99
37) Ethyl Acetate	7.547	43	77704	17.953	ug/l	98
38) Carbon Tetrachloride	8.347	117	65528	19.849	ug/l	99
39) Methylcyclohexane	9.582	83	67946	20.941	ug/l	96
40) Benzene	8.588	78	185496	19.151	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	40867	18.057	ug/l		95
42) 1,2-Dichloroethane	8.653	62	69079	18.806	ug/l		99
43) Isopropyl Acetate	8.671	43	127752	19.014	ug/l		99
44) Trichloroethene	9.335	130	43070	18.818	ug/l		96
45) 1,2-Dichloropropane	9.606	63	47601	19.341	ug/l		100
46) Dibromomethane	9.694	93	34895	18.937	ug/l		99
47) Bromodichloromethane	9.865	83	69620	18.757	ug/l		98
48) Methyl methacrylate	9.665	41	57104	18.878	ug/l		99
49) 1,4-Dioxane	9.688	88	16301	351.858	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.429	43	399338	93.970	ug/l		99
52) Toluene	10.612	92	114736	19.488	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	70010	18.637	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	75349	19.419	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	46825	19.645	ug/l		88
56) Ethyl methacrylate	10.859	69	69998	18.249	ug/l		95
57) 1,3-Dichloropropane	11.147	76	78181	18.971	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	202470	103.552	ug/l		100
59) 2-Hexanone	11.176	43	264149	93.688	ug/l		99
60) Dibromochloromethane	11.341	129	49899	18.357	ug/l		100
61) 1,2-Dibromoethane	11.447	107	47255	18.856	ug/l		95
64) Tetrachloroethene	11.082	164	36839	19.315	ug/l		95
65) Chlorobenzene	11.871	112	123556	18.571	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	43600	19.273	ug/l		100
67) Ethyl Benzene	11.941	91	204755	18.695	ug/l		100
68) m/p-Xylenes	12.047	106	159328	38.848	ug/l		100
69) o-Xylene	12.382	106	73560	18.777	ug/l		97
70) Styrene	12.394	104	127855	19.400	ug/l		99
71) Bromoform	12.559	173	34274	18.753	ug/l	#	96
73) Isopropylbenzene	12.676	105	192540	19.294	ug/l		100
74) N-amyl acetate	12.518	43	83031m	20.026	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	71491	19.039	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	62574m	17.599	ug/l		
77) Bromobenzene	12.959	156	48290	18.659	ug/l		98
78) n-propylbenzene	13.018	91	243308	19.379	ug/l		100
79) 2-Chlorotoluene	13.106	91	143207	18.559	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	162843	19.152	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	22418	17.252	ug/l		98
82) 4-Chlorotoluene	13.206	91	148212	18.449	ug/l		98
83) tert-Butylbenzene	13.418	119	138461	19.498	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	172373	19.852	ug/l		98
85) sec-Butylbenzene	13.594	105	212425	19.859	ug/l		100
86) p-Isopropyltoluene	13.706	119	175039	20.419	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98015	19.297	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99611	18.362	ug/l		98
89) n-Butylbenzene	14.035	91	168514	20.587	ug/l		99
90) Hexachloroethane	14.312	117	35162	19.360	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	94601	19.659	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	16412	16.647	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	52419	18.545	ug/l		99
94) Hexachlorobutadiene	15.476	225	24088	22.935	ug/l		99
95) Naphthalene	15.617	128	172523	17.229	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	52053	18.358	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

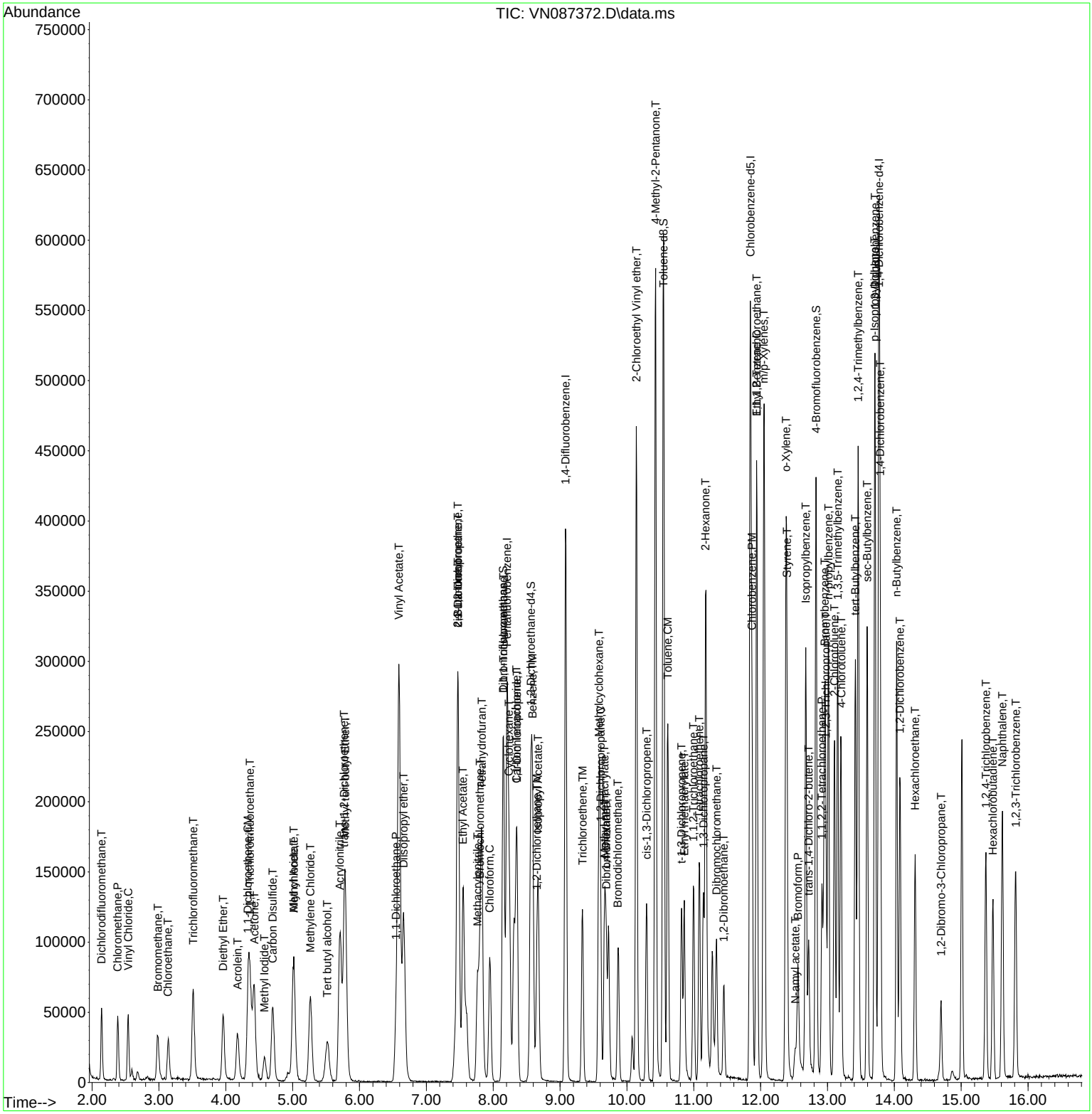
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn072125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087368.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:11 AM	MMDadoda	7/22/2025 1:40:43 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	N-amyl acetate	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	N-amyl acetate	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VSTDCCC050	VN087387.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:47 AM	MMDadoda	7/22/2025 1:40:38 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 # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	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 # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087367.D	21 Jul 2025 10:05	JC\MD	Ok
2	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	JC\MD	Ok,M
3	VN0721MBL01	VN087369.D	21 Jul 2025 11:13	JC\MD	Ok
4	VN0721WBL01	VN087370.D	21 Jul 2025 11:34	JC\MD	Ok
5	VN0721WBS01	VN087371.D	21 Jul 2025 11:55	JC\MD	Ok,M
6	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30	JC\MD	Ok,M
7	Q2646-01	VN087373.D	21 Jul 2025 12:51	JC\MD	Ok
8	IBLK	VN087374.D	21 Jul 2025 13:13	JC\MD	Ok
9	PB168920TB	VN087375.D	21 Jul 2025 13:34	JC\MD	Ok
10	Q2641-02	VN087376.D	21 Jul 2025 13:55	JC\MD	Ok
11	Q2645-03	VN087377.D	21 Jul 2025 14:16	JC\MD	Ok
12	Q2649-04	VN087378.D	21 Jul 2025 14:38	JC\MD	Ok
13	Q2649-08	VN087379.D	21 Jul 2025 14:59	JC\MD	Ok,M
14	Q2649-12	VN087380.D	21 Jul 2025 15:20	JC\MD	Ok
15	Q2649-16	VN087381.D	21 Jul 2025 15:42	JC\MD	Ok
16	Q2649-20	VN087382.D	21 Jul 2025 16:03	JC\MD	Ok
17	Q2649-24	VN087383.D	21 Jul 2025 16:24	JC\MD	Ok
18	PB168921TB	VN087384.D	21 Jul 2025 16:46	JC\MD	Ok
19	Q2646-03	VN087385.D	21 Jul 2025 17:07	JC\MD	Ok
20	Q2664-01	VN087386.D	21 Jul 2025 17:29	JC\MD	Ok
21	VSTDCCC050	VN087387.D	21 Jul 2025 17:50	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
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	VN087367.D	21 Jul 2025 10:05		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0721MBL01	VN0721MBL01	VN087369.D	21 Jul 2025 11:13		JC\MD	Ok
4	VN0721WBL01	VN0721WBL01	VN087370.D	21 Jul 2025 11:34		JC\MD	Ok
5	VN0721WBS01	VN0721WBS01	VN087371.D	21 Jul 2025 11:55		JC\MD	Ok,M
6	VN0721WBSD01	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30		JC\MD	Ok,M
7	Q2646-01	FRAC TANK	VN087373.D	21 Jul 2025 12:51	vial A pH<2	JC\MD	Ok
8	IBLK	IBLK	VN087374.D	21 Jul 2025 13:13		JC\MD	Ok
9	PB168920TB	PB168920TB	VN087375.D	21 Jul 2025 13:34		JC\MD	Ok
10	Q2641-02	P001-CONCRETE001-	VN087376.D	21 Jul 2025 13:55	vial A pH#5.0	JC\MD	Ok
11	Q2645-03	RW5B-CARBON-2025(	VN087377.D	21 Jul 2025 14:16	vial A pH#5.0	JC\MD	Ok
12	Q2649-04	WC-1	VN087378.D	21 Jul 2025 14:38	vial A pH#5.0	JC\MD	Ok
13	Q2649-08	WC-2	VN087379.D	21 Jul 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
14	Q2649-12	WC-3	VN087380.D	21 Jul 2025 15:20	vial A pH#5.0	JC\MD	Ok
15	Q2649-16	WC-4	VN087381.D	21 Jul 2025 15:42	vial A pH#5.0	JC\MD	Ok
16	Q2649-20	WC-5	VN087382.D	21 Jul 2025 16:03	vial A pH#5.0	JC\MD	Ok
17	Q2649-24	WC-6	VN087383.D	21 Jul 2025 16:24	vial A pH#5.0	JC\MD	Ok
18	PB168921TB	PB168921TB	VN087384.D	21 Jul 2025 16:46		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 # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2646-03	FRAC TANK	VN087385.D	21 Jul 2025 17:07	vial A pH#5.0	JC\MD	Ok
20	Q2664-01	GDW3	VN087386.D	21 Jul 2025 17:29	vial A pH<2	JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN087387.D	21 Jul 2025 17:50		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:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP VOA	8260D			07/21/25	

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168921

SOP ID :	M1311-TCLP-16		
SDG No :	N/A	**Start Prep Date :** N/A	**Time :** N/A
Weigh By :	N/A	**End Prep Date :** N/A	**Time :** N/A
Balance ID :	N/A	**Combination Ratio :** N/A	
pH Meter ID :	WC PH METER-1	**ZHE Cleaning Batch :** N/A	
Extraction By :	N/A	**Initial Room Temperature:** N/A	
Filter By :	N/A	**Final Room Temperature:** N/A	
Pippete ID :	N/A	**TCLP Technician Signature :**	
Tumbler ID :	N/A	**Supervisor By :**	
TCLP Filter ID :	N/A		

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
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

We receive water sample in 40 ml vial tr to VOC LAB without ffiftration and tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 11:30	SB Hall Room	MD VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168921

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
PB168921TB	LEB921	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168921TB	LEB921	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q e23646 **WorkList ID :** 190830 **Department :** TCLP Extraction **Date :** 07-18-2025 15:03:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2646-03	FRAC TANK	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	O11	07/18/2025	1311 ZHE

Date/Time 07/18/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SM

Date/Time 07/18/25 18:00

Raw Sample Received by: [signature] SM

Raw Sample Relinquished by: [signature]

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

Hit Summary Sheet
SW-846

SDG No.: Q2646

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**FRAC TANK**							
Q2646-03	FRAC TANK	TCLP	3+4-Methylphenols	130.000		11	100	ug/L
			Total Svoc :	**130.00**				
			Total Concentration:	**130.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/22/25
Project:	North Arlington, NJ	Date Received:	07/22/25
Client Sample ID:	PB168926TB	SDG No.:	Q2646
Lab Sample ID:	PB168926TB	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
BF143211.D	1	07/22/25 09:10	07/23/25 15:02	PB168954

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	114		15 (23) - 110 (138)	76%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.9		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.0		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	79%	SPK: 150
1718-51-0	Terphenyl-d14	72.7		30 (42) - 130 (152)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117000	6.963			
1146-65-2	Naphthalene-d8	445000	8.24			
15067-26-2	Acenaphthene-d10	231000	9.998			
1517-22-2	Phenanthrene-d10	395000	11.481			
1719-03-5	Chrysene-d12	269000	14.122			
1520-96-3	Perylene-d12	278000	15.627			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/22/25
Project:	North Arlington, NJ	Date Received:	07/22/25
Client Sample ID:	PB168926TB	SDG No.:	Q2646
Lab Sample ID:	PB168926TB	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
BF143211.D	1	07/22/25 09:10	07/23/25 15:02	PB168954

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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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
BF143198.D	1	07/22/25 09:10	07/22/25 19:51	PB168954

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	130		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	163		15 (23) - 110 (138)	109%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.9		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.6		30 (52) - 130 (132)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		15 (44) - 110 (137)	81%	SPK: 150
1718-51-0	Terphenyl-d14	51.9		30 (42) - 130 (152)	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49100	6.987			
1146-65-2	Naphthalene-d8	346000	8.269			
15067-26-2	Acenaphthene-d10	154000	10.004			
1517-22-2	Phenanthrene-d10	264000	11.486			
1719-03-5	Chrysene-d12	258000	14.151			
1520-96-3	Perylene-d12	120000	15.645			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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
BF143198.D	1	07/22/25 09:10	07/22/25 19:51	PB168954

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.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168926TB	PB168926TB	2-Fluorophenol	150	114	76		15 (23)	110 (138)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.9	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.0	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	79		15 (44)	110 (137)
		Terphenyl-d14	100	72.7	73		30 (42)	130 (152)
PB168954BL	PB168954BL	2-Fluorophenol	150	114	76		15 (23)	110 (138)
		Phenol-d6	150	116	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.6	78		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.3	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	128	85		15 (44)	110 (137)
		Terphenyl-d14	100	77.4	77		30 (42)	130 (152)
PB168954BS	PB168954BS	2-Fluorophenol	150	114	76		15 (23)	110 (138)
		Phenol-d6	150	113	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.0	82		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.1	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	82.6	83		30 (42)	130 (152)
Q2646-03	FRAC TANK	2-Fluorophenol	150	163	109		15 (23)	110 (138)
		Phenol-d6	150	116	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.9	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.6	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	121	81		15 (44)	110 (137)
		Terphenyl-d14	100	51.9	52		30 (42)	130 (152)
Q2646-03MS	FRAC TANKMS	2-Fluorophenol	150	81.8	55		15 (23)	110 (138)
		Phenol-d6	150	64.3	43		15 (10)	110 (134)
		Nitrobenzene-d5	100	68.3	68		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.4	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	99.1	66		15 (44)	110 (137)
		Terphenyl-d14	100	46.8	47		30 (42)	130 (152)
Q2646-03MSD	FRAC TANKMSD	2-Fluorophenol	150	80.3	54		15 (23)	110 (138)
		Phenol-d6	150	62.4	42		15 (10)	110 (134)
		Nitrobenzene-d5	100	71.7	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.7	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	111	74		15 (44)	110 (137)
		Terphenyl-d14	100	50.5	51		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.: Q2646 **Analytical Method:** SW8270E

Client: Environmental Restoration, LLC **DataFile:** BF143199.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2646-03MS		**Client Sample ID: FRAC TANKMS**									
Pyridine	500	0	0	ug/L	0	*			20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	360	ug/L	72				70 (55)	130 (125)	
2-Methylphenol	500	0	790	ug/L	158	*			70 (60)	130 (131)	
3+4-Methylphenols	500	130	520	ug/L	78				20 (54)	160 (136)	
Hexachloroethane	500	0	370	ug/L	74				20 (19)	160 (146)	
Nitrobenzene	500	0	350	ug/L	70				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	370	ug/L	74				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	360	ug/L	72				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	390	ug/L	78				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	400	ug/L	80				70 (74)	130 (137)	
Hexachlorobenzene	500	0	370	ug/L	74				70 (72)	130 (115)	
Pentachlorophenol	1000	0	910	ug/L	91				20 (52)	160 (162)	

( ) = 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.: Q2646 **Analytical Method:** SW8270E

Client: Environmental Restoration, LLC **DataFile:** BF143200.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2646-03MSD		**Client Sample ID: FRAC TANKMSD**									
Pyridine	500	0	0	ug/L	0	*	0		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	360	ug/L	72		0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	760	ug/L	152	*	4		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	130	520	ug/L	78		0		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	360	ug/L	72		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	360	ug/L	72		3		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	390	ug/L	78		5		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	380	ug/L	76		5		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	420	ug/L	84		7		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	420	ug/L	84		5		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	380	ug/L	76		3		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	960	ug/L	96		5		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.: Q2646 **Analytical Method:** 8270E

Client: Environmental Restoration, LLC **DataFile:** BF143213.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168954BS	Pyridine	50	37.0	ug/L	74				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	42.5	ug/L	85				70 (76)	130 (103)	
	2-Methylphenol	50	43.9	ug/L	88				70 (69)	130 (109)	
	3+4-Methylphenols	50	42.7	ug/L	85				20 (67)	160 (106)	
	Hexachloroethane	50	44.3	ug/L	89				20 (76)	160 (118)	
	Nitrobenzene	50	44.2	ug/L	88				70 (58)	130 (106)	
	Hexachlorobutadiene	50	44.2	ug/L	88				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	44.7	ug/L	89				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.7	ug/L	89				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	53.0	ug/L	106				70 (60)	130 (115)	
	Hexachlorobenzene	50	43.9	ug/L	88				70 (73)	130 (106)	
	Pentachlorophenol	100	61.8	ug/L	62				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

Client ID: PB168954BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: BF143190.D | Lab Sample ID: PB168954BL

Instrument ID: BNA_F | Date Extracted: 07/22/2025

Matrix: (soil/water) water | Date Analyzed: 07/22/2025

Level: (low/med) LOW | Time Analyzed: 15:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FRAC TANK	Q2646-03	BF143198.D	07/22/2025
FRAC TANKMS	Q2646-03MS	BF143199.D	07/22/2025
FRAC TANKMSD	Q2646-03MSD	BF143200.D	07/22/2025
PB168926TB	PB168926TB	BF143211.D	07/23/2025
PB168954BS	PB168954BS	BF143213.D	07/23/2025

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: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: BF143138.D DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
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
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34

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: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: BF143188.D DFTPP Injection Date: 07/22/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	77.4
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	BF143189.D	07/22/2025	15:23
PB168954BL	PB168954BL	BF143190.D	07/22/2025	15:52
FRAC TANK	Q2646-03	BF143198.D	07/22/2025	19:51
FRAC TANKMS	Q2646-03MS	BF143199.D	07/22/2025	20:20
FRAC TANKMSD	Q2646-03MSD	BF143200.D	07/22/2025	20:49

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: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: BF143209.D DFTPP Injection Date: 07/23/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143210.D	07/23/2025	14:33
PB168926TB	PB168926TB	BF143211.D	07/23/2025	15:02
PB168954BS	PB168954BS	BF143213.D	07/23/2025	16:00

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: Alliance

Lab Code: ACE SDG NO.: Q2646

Client ID : SSTDCCC040 Date Analyzed: 07/22/2025

Lab File ID: BF143189.D Time Analyzed: 15:23

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	121745	6.963	475525	8.25	246814	10.00
	UPPER LIMIT	243490	7.463	951050	8.745	493628	10.504
	LOWER LIMIT	60872.5	6.463	237763	7.745	123407	9.504
	EPA SAMPLE NO.						
01	PB168954BL	132474	6.96	517206	8.24	278568	10.00
02	FRAC TANK	49096 *	6.99	345774	8.27	154112	10.00
03	FRAC TANKMS	106919	6.99	403875	8.26	174208	10.01
04	FRAC TANKMSD	103435	6.99	358963	8.27	160601	10.01

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: Alliance

Lab Code: ACE SDG NO.: Q2646

Client ID: SSTDCCC040 Date Analyzed: 07/22/2025

Lab File ID: BF143189.D Time Analyzed: 15:23

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	395216	11.486	234922	14.127	268523		15.633
	UPPER LIMIT	790432	11.986	469844	14.627	537046		16.133
	LOWER LIMIT	197608	10.986	117461	13.627	134262		15.133
	EPA SAMPLE NO.							
01	PB168954BL	486814	11.49	272386	14.12	282193		15.63
02	FRAC TANK	263977	11.49	258410	14.15	120241	*	15.65
03	FRAC TANKMS	273501	11.49	256851	14.15	185286		15.65
04	FRAC TANKMSD	270710	11.49	252211	14.15	152378		15.65

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: Alliance

Lab Code: ACE SDG NO.: Q2646

Client ID : SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BF143210.D Time Analyzed: 14:33

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	97351	6.963	364498	8.25	187438	10.00
	UPPER LIMIT	194702	7.463	728996	8.745	374876	10.498
	LOWER LIMIT	48675.5	6.463	182249	7.745	93719	9.498
	EPA SAMPLE NO.						
01	PB168926TB	116721	6.96	444530	8.24	231009	10.00
02	PB168954BS	127773	6.96	503486	8.25	265187	10.00

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: Alliance

Lab Code: ACE SDG NO.: Q2646

Client ID: SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BF143210.D Time Analyzed: 14:33

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	309922	11.486	228057	14.121	245226	15.627
	UPPER LIMIT	619844	11.986	456114	14.621	490452	16.127
	LOWER LIMIT	154961	10.986	114029	13.621	122613	15.127
	EPA SAMPLE NO.						
01	PB168926TB	395154	11.48	268502	14.12	278322	15.63
02	PB168954BS	449718	11.49	253510	14.13	261797	15.63

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168954BL	SDG No.:	Q2646
Lab Sample ID:	PB168954BL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143190.D	1	07/22/25 09:10	07/22/25 15:52	PB168954

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	114		15 (23) - 110 (138)	76%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.6		30 (67) - 130 (132)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	85%	SPK: 150
1718-51-0	Terphenyl-d14	77.4		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.963			
1146-65-2	Naphthalene-d8	517000	8.24			
15067-26-2	Acenaphthene-d10	279000	9.998			
1517-22-2	Phenanthrene-d10	487000	11.486			
1719-03-5	Chrysene-d12	272000	14.121			
1520-96-3	Perylene-d12	282000	15.627			

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

Report of Analysis

Client:	Environmental Restoration, LLC			Date Collected:	
Project:	North Arlington, NJ			Date Received:	
Client Sample ID:	PB168954BL			SDG No.:	Q2646
Lab Sample ID:	PB168954BL			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143190.D	1	07/22/25 09:10	07/22/25 15:52	PB168954

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168954BS	SDG No.:	Q2646
Lab Sample ID:	PB168954BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143213.D	1	07/22/25 09:10	07/23/25 16:00	PB168954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.0		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.5		0.53	5.00	ug/L
95-48-7	2-Methylphenol	43.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.7		1.10	10.0	ug/L
67-72-1	Hexachloroethane	44.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.2		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.2		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	44.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.7		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.0		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	43.9		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	61.8		1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	114		15 (23) - 110 (138)	76%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		30 (67) - 130 (132)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.1		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	82.6		30 (42) - 130 (152)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128000	6.963			
1146-65-2	Naphthalene-d8	503000	8.245			
15067-26-2	Acenaphthene-d10	265000	10.004			
1517-22-2	Phenanthrene-d10	450000	11.486			
1719-03-5	Chrysene-d12	254000	14.127			
1520-96-3	Perylene-d12	262000	15.627			

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

Report of Analysis

Client:	Environmental Restoration, LLC			Date Collected:	
Project:	North Arlington, NJ			Date Received:	
Client Sample ID:	PB168954BS			SDG No.:	Q2646
Lab Sample ID:	PB168954BS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143213.D	1	07/22/25 09:10	07/23/25 16:00	PB168954

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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANKMS	SDG No.:	Q2646
Lab Sample ID:	Q2646-03MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143199.D	1	07/22/25 09:10	07/22/25 20:20	PB168954

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	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	790		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	520		11.0	100	ug/L
67-72-1	Hexachloroethane	370		6.50	50.0	ug/L
98-95-3	Nitrobenzene	350		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	370		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	360		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	390		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	400		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	370		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	910	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	81.8		15 (23) - 110 (138)	55%	SPK: 150
13127-88-3	Phenol-d6	64.3		15 (10) - 110 (134)	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.3		30 (67) - 130 (132)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.4		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.1		15 (44) - 110 (137)	66%	SPK: 150
1718-51-0	Terphenyl-d14	46.8		30 (42) - 130 (152)	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	107000	6.986			
1146-65-2	Naphthalene-d8	404000	8.263			
15067-26-2	Acenaphthene-d10	174000	10.01			
1517-22-2	Phenanthrene-d10	274000	11.492			
1719-03-5	Chrysene-d12	257000	14.151			
1520-96-3	Perylene-d12	185000	15.651			

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

Report of Analysis

Client:	Environmental Restoration, LLC			Date Collected:	07/18/25
Project:	North Arlington, NJ			Date Received:	07/18/25
Client Sample ID:	FRAC TANKMS			SDG No.:	Q2646
Lab Sample ID:	Q2646-03MS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143199.D	1	07/22/25 09:10	07/22/25 20:20	PB168954

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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANKMSD	SDG No.:	Q2646
Lab Sample ID:	Q2646-03MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143200.D	1	07/22/25 09:10	07/22/25 20:49	PB168954

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	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	760		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	520		11.0	100	ug/L
67-72-1	Hexachloroethane	360		6.50	50.0	ug/L
98-95-3	Nitrobenzene	360		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	380		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	420		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	420		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	380		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	960	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	80.3		15 (23) - 110 (138)	54%	SPK: 150
13127-88-3	Phenol-d6	62.4		15 (10) - 110 (134)	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.7		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		15 (44) - 110 (137)	74%	SPK: 150
1718-51-0	Terphenyl-d14	50.5		30 (42) - 130 (152)	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	103000	6.987			
1146-65-2	Naphthalene-d8	359000	8.269			
15067-26-2	Acenaphthene-d10	161000	10.01			
1517-22-2	Phenanthrene-d10	271000	11.492			
1719-03-5	Chrysene-d12	252000	14.151			
1520-96-3	Perylene-d12	152000	15.651			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANKMSD	SDG No.:	Q2646
Lab Sample ID:	Q2646-03MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143200.D	1	07/22/25 09:10	07/22/25 20:49	PB168954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF1431
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598	4.09
3)		Pyridine		1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552	3.88
4)		n-Nitrosodimet...			0.776	0.799	0.810	0.851	0.804	0.768	0.801	3.66
5)	S	2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264	7.00
6)		Aniline		2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217	4.86
7)	S	Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591	6.72
8)		2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325	4.87
9)		Benzaldehyde			1.167	1.163	1.443	1.411	1.122	0.851	1.193	18.13
10)	C	Phenol		1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733	6.37
11)		bis(2-Chloroet...		1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327	5.40
12)		1,3-Dichlorobe...		1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439	7.18
13)	C	1,4-Dichlorobe...		1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449	7.52
14)		1,2-Dichlorobe...		1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378	6.96
15)		Benzyl Alcohol			1.214	1.246	1.215	1.278	1.193	1.141	1.215	3.85
16)		2,2'-oxybis(1-...		2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461	6.55
17)		2-Methylphenol		1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114	4.61
18)		Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502	4.68
19)	P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)		3+4-Methylphenols			1.467	1.469	1.341	1.402	1.268	1.162	1.351	8.95
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474	8.65
23)	S	Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401	3.47
24)		Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374	3.88
25)		Isophorone		0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708	3.75
26)	C	2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162	11.25
27)		2,4-Dimethylph...		0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331	5.70
28)		bis(2-Chloroet...		0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425	6.28
29)	C	2,4-Dichloroph...		0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279	4.44
30)		1,2,4-Trichlor...		0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302	6.43
31)		Naphthalene		1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985	8.91
32)		Benzoic acid			0.104	0.149	0.180	0.197	0.187	0.194	0.169	21.36
33)		4-Chloroaniline		0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402	6.33
34)	C	Hexachlorobuta...		0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184	4.59
35)		Caprolactam			0.078	0.084	0.087	0.091	0.085	0.082	0.084	5.35
36)	C	4-Chloro-3-met...		0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303	4.04
37)		2-Methylnaphth...		0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599	8.17
38)		1-Methylnaphth...		0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617	8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93
41)	P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14
42)	S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55
43)	C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63
44)		2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76
45)	S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58
46)		1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62
47)		2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14
48)		2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85
49)		Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71
50)		Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16
51)		2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14
52)	C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53
53)		3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13
54)	P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02
55)		Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02
56)	P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70
57)		2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03
58)		Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79
59)		2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30
60)		Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81
61)		4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86
62)		4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44
63)		Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88
66)	c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03
67)		4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26
68)		Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80
69)		Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32
70)	C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70
71)		Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98
72)		Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13
73)		Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93
74)		Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36
75)	C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53
78)		Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72
79)	S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43
80)		Butylbenzylpht...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61
81)		Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86
82)		3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58
83)		Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29
84)		Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03
85)	c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)		Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)		Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90)	C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)		Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)		Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 15:23

Lab File ID: BF143189.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.552	1.527		-1.6	
2-Fluorophenol	1.264	1.251		-1.0	
Phenol-d6	1.591	1.592		0.1	
1,4-Dichlorobenzene	1.449	1.455		0.4	20.0
2-Methylphenol	1.114	1.126		1.1	
3+4-Methylphenols	1.351	1.397		3.4	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.383		2.4	
Hexachlorobutadiene	0.184	0.183		-0.5	20.0
2,4,6-Trichlorophenol	0.400	0.390		-2.5	20.0
2-Fluorobiphenyl	1.462	1.403		-4.0	
2,4,5-Trichlorophenol	0.400	0.403		0.8	
2,4-Dinitrotoluene	0.333	0.359		7.8	
2,4,6-Tribromophenol	0.207	0.210		1.4	
Hexachlorobenzene	0.249	0.241		-3.2	
Pentachlorophenol	0.147	0.155		5.4	20.0
Terphenyl-d14	1.344	1.253		-6.8	

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: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 14:33

Lab File ID: BF143210.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.552	1.455		-6.3	
2-Fluorophenol	1.264	1.243		-1.7	
Phenol-d6	1.591	1.523		-4.3	
1,4-Dichlorobenzene	1.449	1.442		-0.5	20.0
2-Methylphenol	1.114	1.066		-4.3	
3+4-Methylphenols	1.351	1.319		-2.4	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.377		0.8	
Hexachlorobutadiene	0.184	0.189		2.7	20.0
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.452		-0.7	
2,4,5-Trichlorophenol	0.400	0.402		0.5	
2,4-Dinitrotoluene	0.333	0.361		8.4	
2,4,6-Tribromophenol	0.207	0.202		-2.4	
Hexachlorobenzene	0.249	0.244		-2.0	
Pentachlorophenol	0.147	0.134		-8.8	20.0
Terphenyl-d14	1.344	1.178		-12.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143211.D
Acq On : 23 Jul 2025 15:02
Operator : RC/JU
Sample : PB168926TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Quant Time: Jul 23 15:38:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

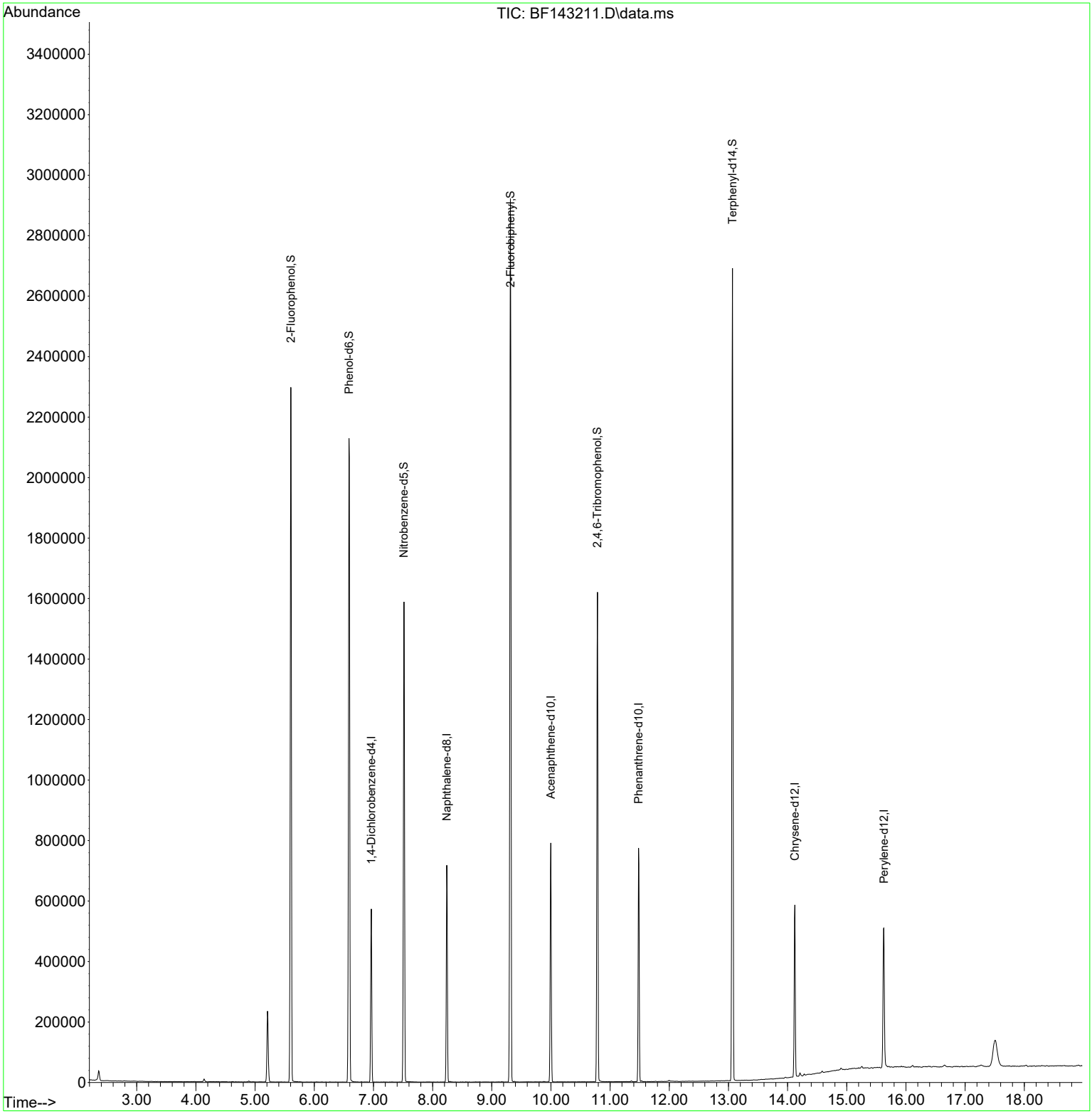
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	116721	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	444530	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	231009	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	395154	20.000	ng	0.00
76) Chrysene-d12	14.122	240	268502	20.000	ng	0.00
86) Perylene-d12	15.627	264	278322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	840890	114.005	ng	0.02
7) Phenol-d6	6.587	99	1050509	113.153	ng	0.00
23) Nitrobenzene-d5	7.516	82	712177	79.859	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	283835	118.936	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1318120	78.036	ng	0.00
79) Terphenyl-d14	13.069	244	1312385	72.736	ng	0.00
Target Compounds						Qvalue

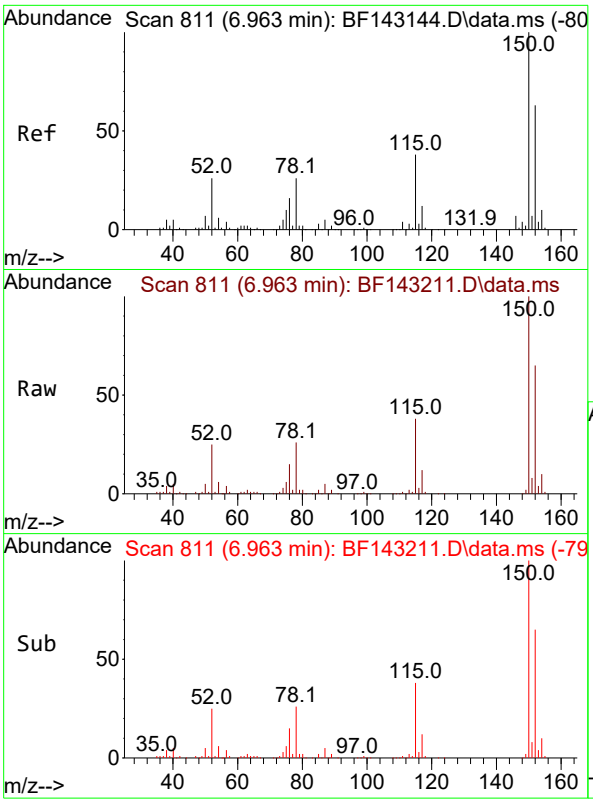
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143211.D
Acq On : 23 Jul 2025 15:02
Operator : RC/JU
Sample : PB168926TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Quant Time: Jul 23 15:38:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



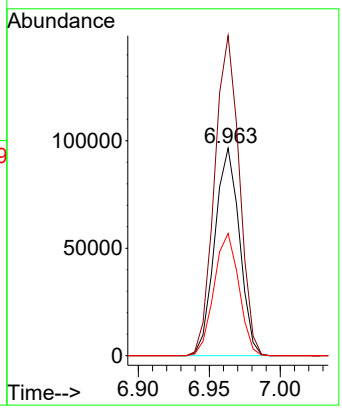


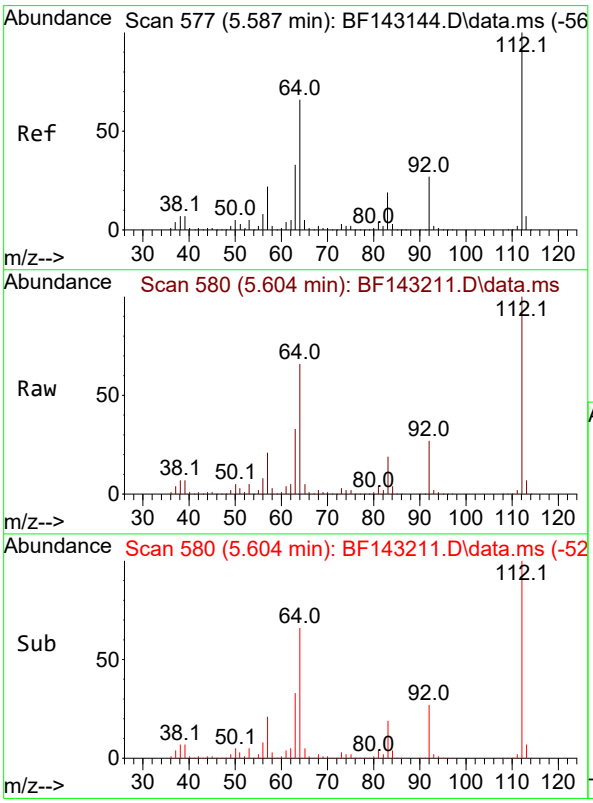
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion:152 Resp: 116721

Ion	Ratio	Lower	Upper
152	100		
150	154.2	128.2	192.4
115	59.0	47.9	71.9

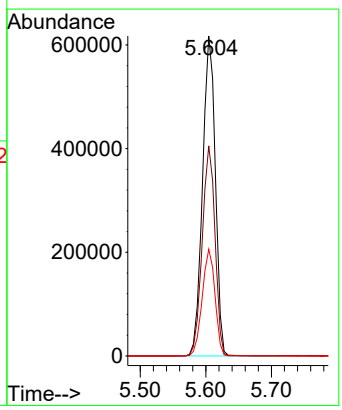


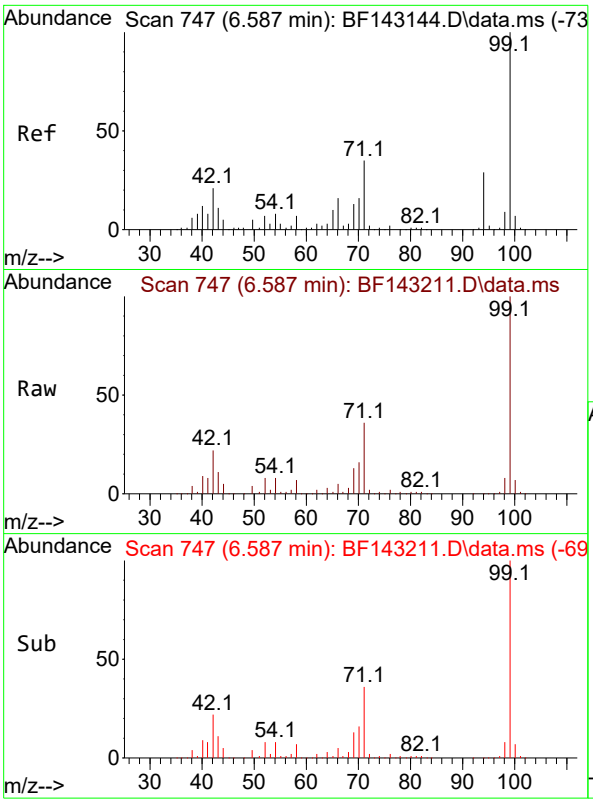


#5
2-Fluorophenol
Concen: 114.005 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:112 Resp: 840890

Ion	Ratio	Lower	Upper
112	100		
64	65.7	53.1	79.7
63	33.4	26.6	40.0



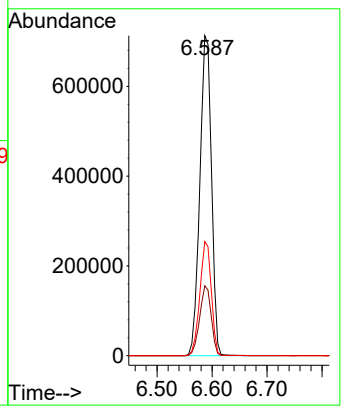


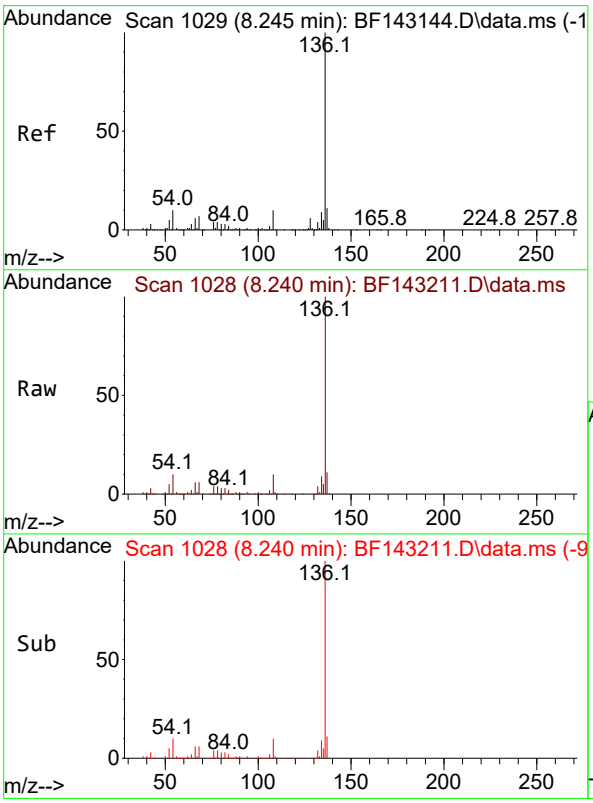
#7
Phenol-d6
Concen: 113.153 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion: 99 Resp: 1050509

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.0	25.6
71	35.6	27.7	41.5

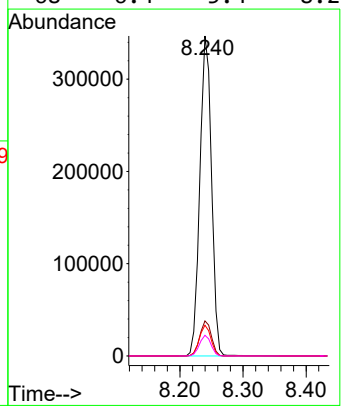


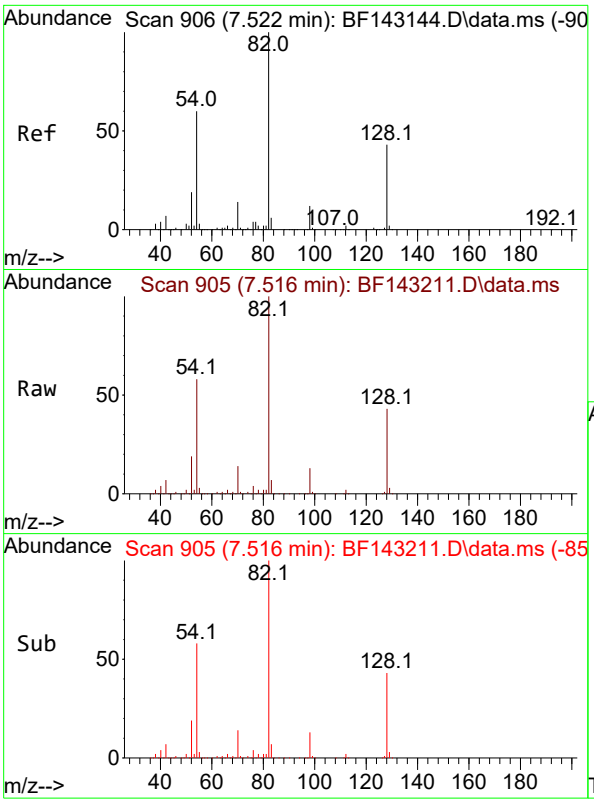


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:136 Resp: 444530

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	8.2	12.2
68	6.4	5.4	8.2



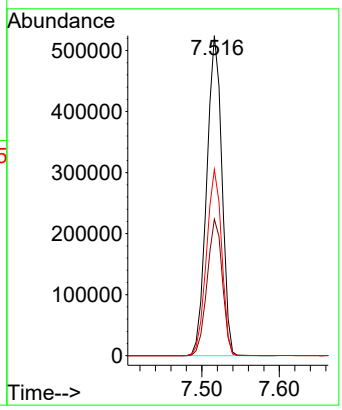


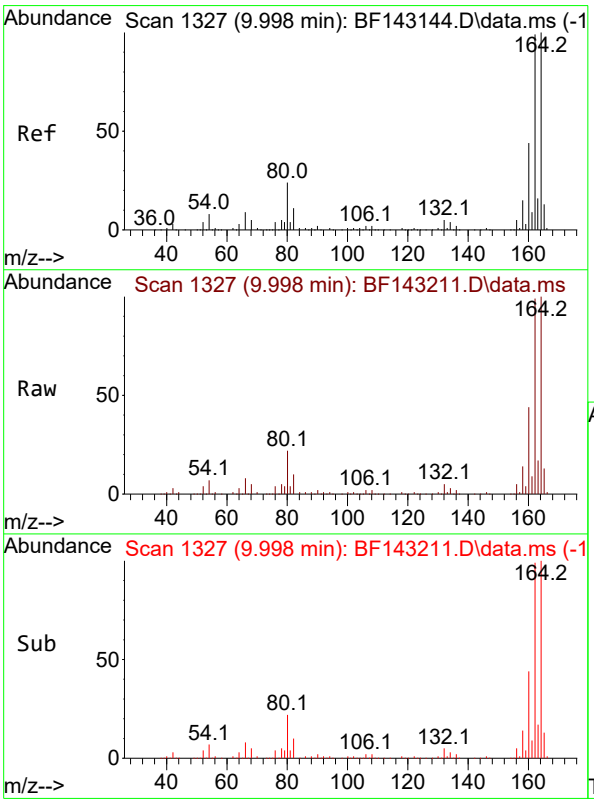
#23
Nitrobenzene-d5
Concen: 79.859 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion: 82 Resp: 712177

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.6	50.4
54	58.2	47.1	70.7

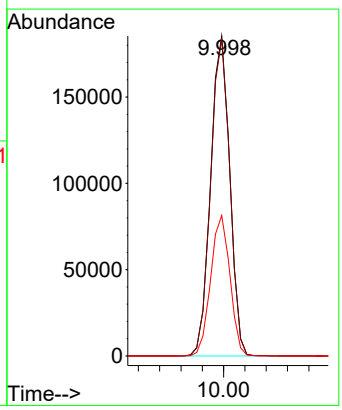


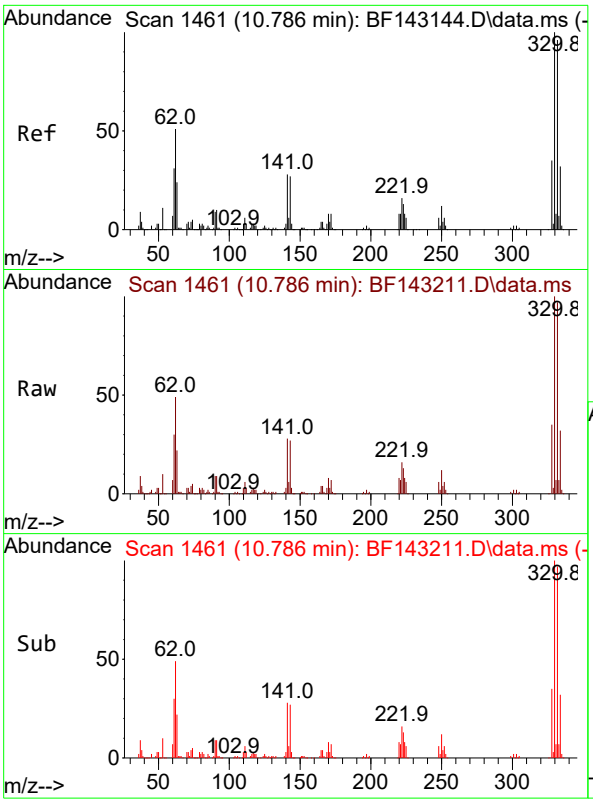


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:164 Resp: 231009

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	43.9	35.1	52.7



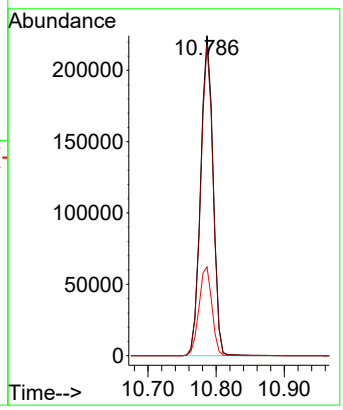


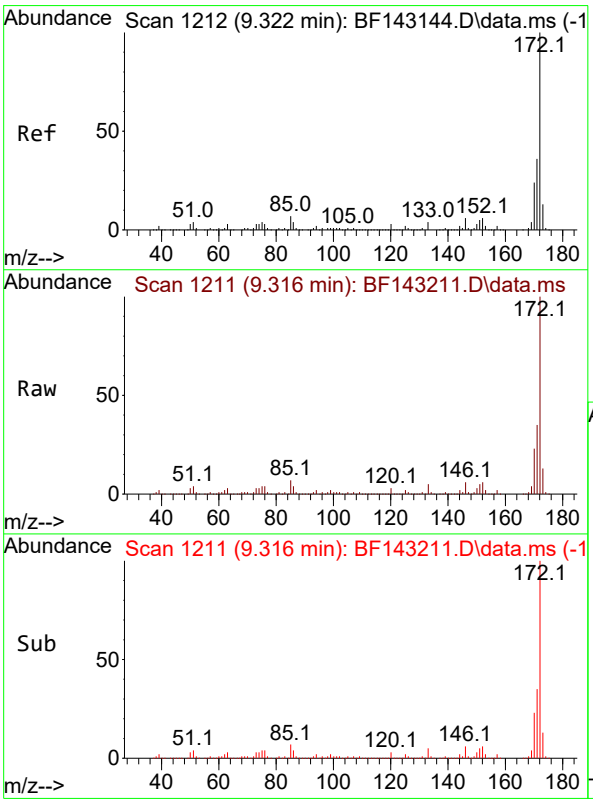
#42
2,4,6-Tribromophenol
Concen: 118.936 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion:330 Resp: 283835

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.7	115.1
141	28.7	23.3	34.9

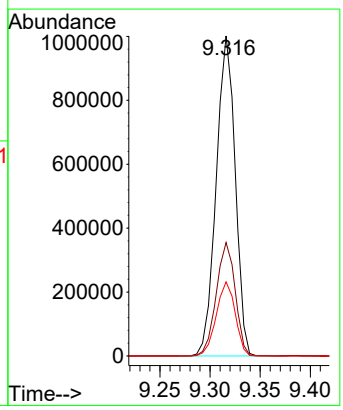


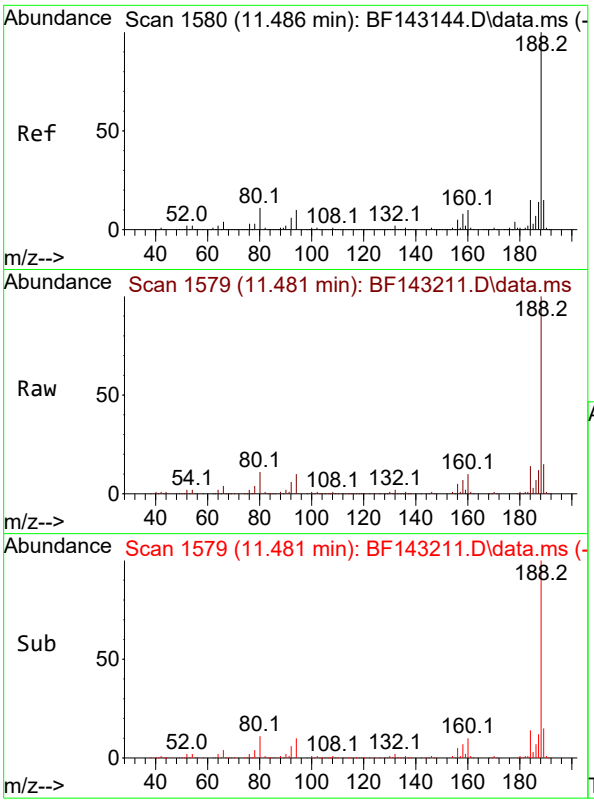


#45
2-Fluorobiphenyl
Concen: 78.036 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:172 Resp: 1318120

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.2	18.8	28.2



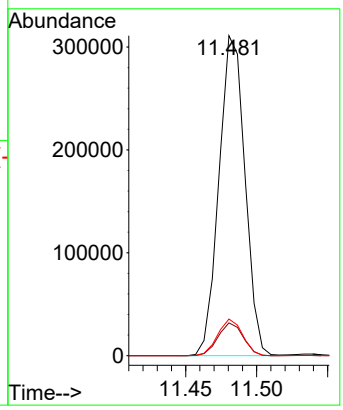


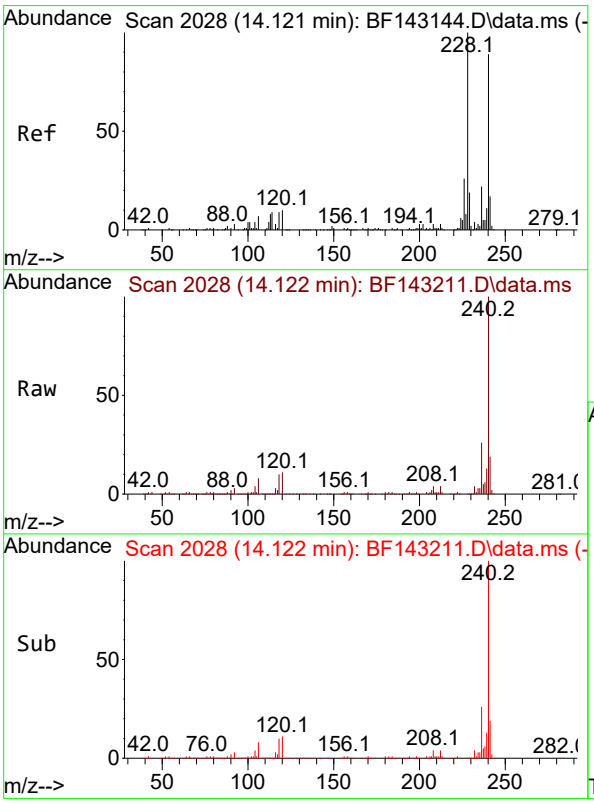
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion:188 Resp: 395154

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	11.4	9.0	13.6

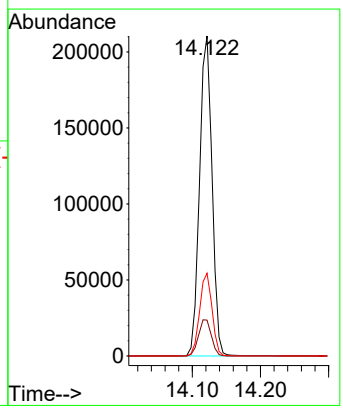


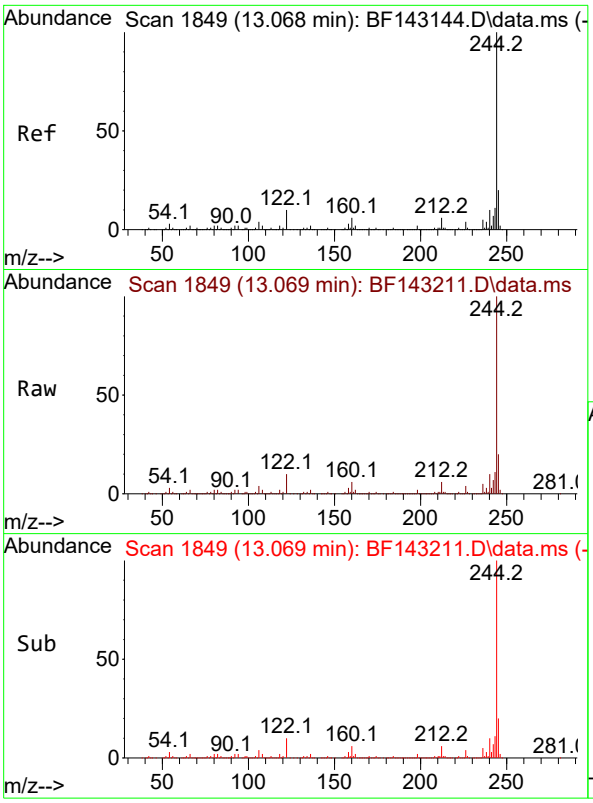


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:240 Resp: 268502

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.4	14.2
236	25.9	20.2	30.4



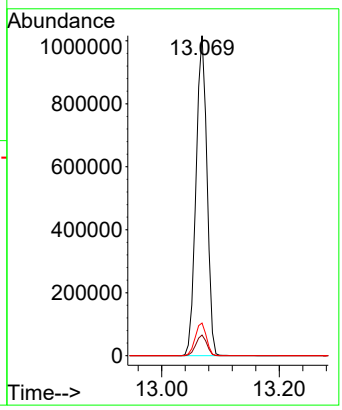


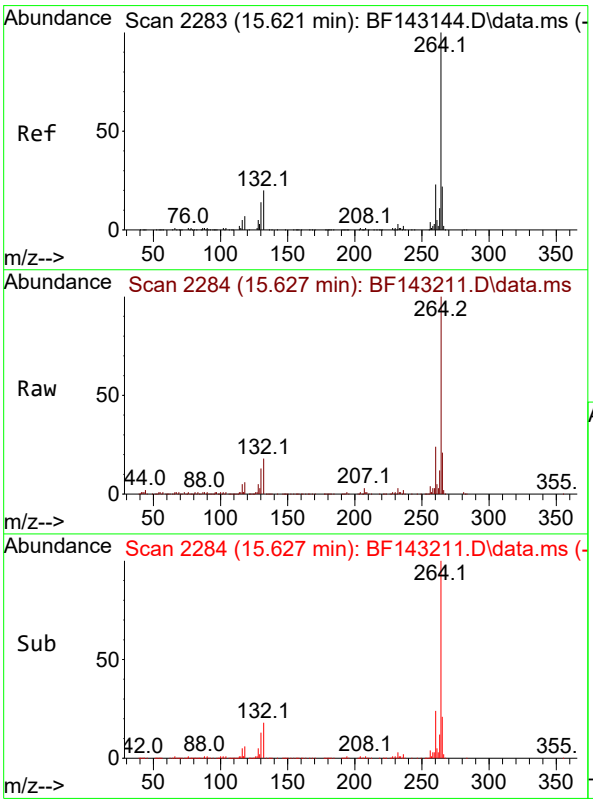
#79
Terphenyl-d14
Concen: 72.736 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion:244 Resp: 1312385

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.2	8.2	12.2

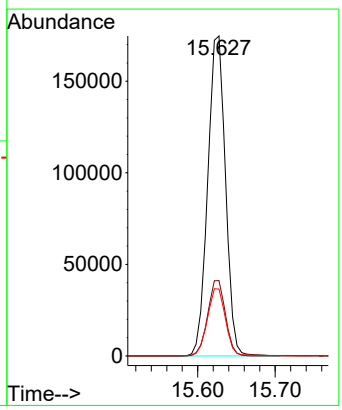




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:264 Resp: 278322

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	20.9	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143198.D
Acq On : 22 Jul 2025 19:51
Operator : RC/JU
Sample : Q2646-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Quant Time: Jul 23 04:51:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

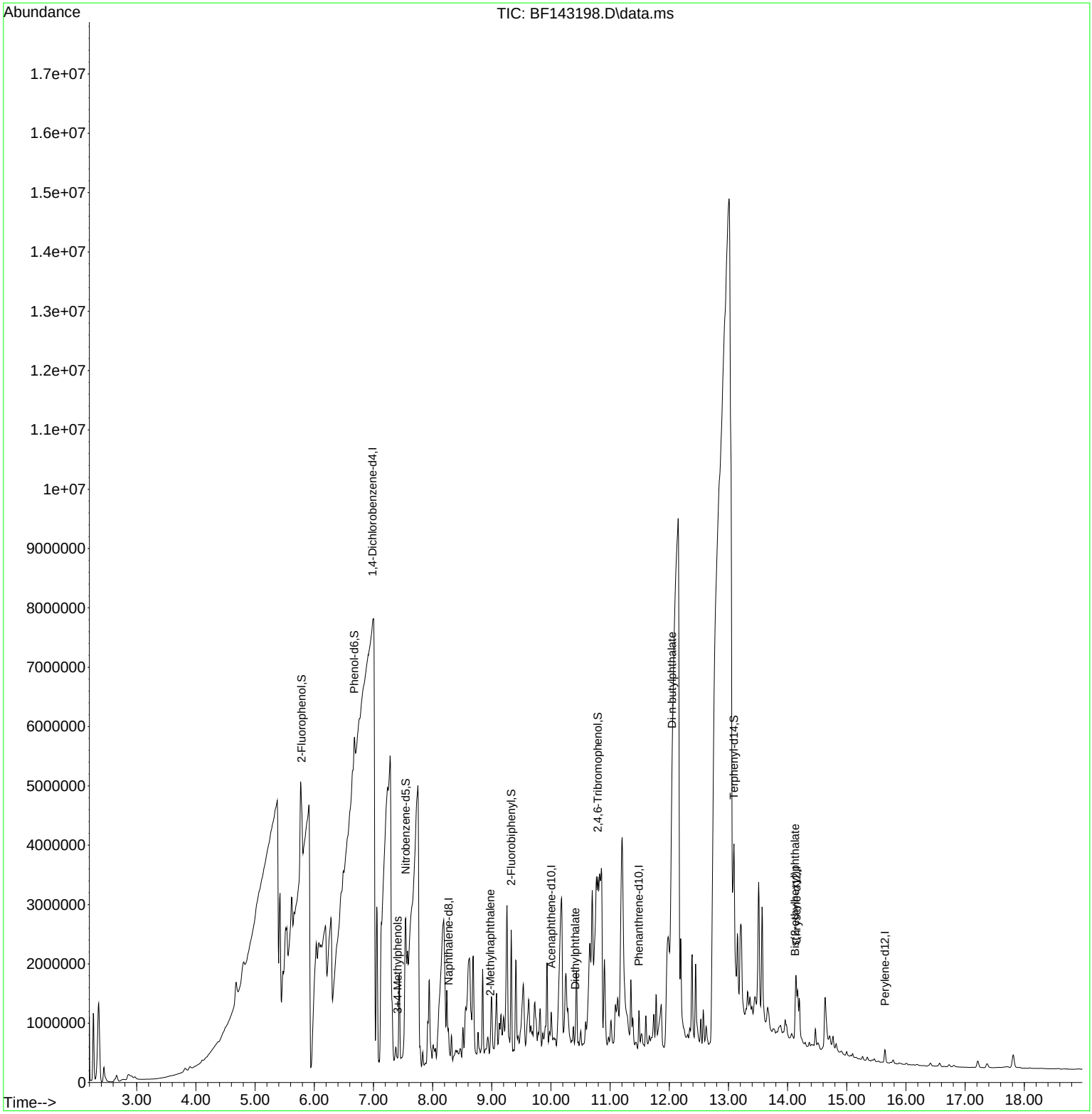
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	49096	20.000	ng	0.02
21) Naphthalene-d8	8.269	136	345774	20.000	ng	0.02
39) Acenaphthene-d10	10.004	164	154112	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	263977	20.000	ng	0.00
76) Chrysene-d12	14.151	240	258410	20.000	ng	0.03
86) Perylene-d12	15.645	264	120241	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	505237	162.848	ng	0.20
7) Phenol-d6	6.675	99	454882	116.485	ng	0.09
23) Nitrobenzene-d5	7.545	82	526527	75.905	ng	0.02
42) 2,4,6-Tribromophenol	10.792	330	192596	120.973	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	885683	78.597	ng	0.00
79) Terphenyl-d14	13.092	244	900783	51.873	ng	0.02
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.410	107	43141	13.004	ng	# 77
37) 2-Methylnaphthalene	8.975	142	31462	3.036	ng	97
60) Diethylphthalate	10.410	149	97198	9.789	ng	98
74) Di-n-butylphthalate	12.045	149	29957	2.121	ng	# 87
84) Bis(2-ethylhexyl)phtha...	14.127	149	27750	2.715	ng	100

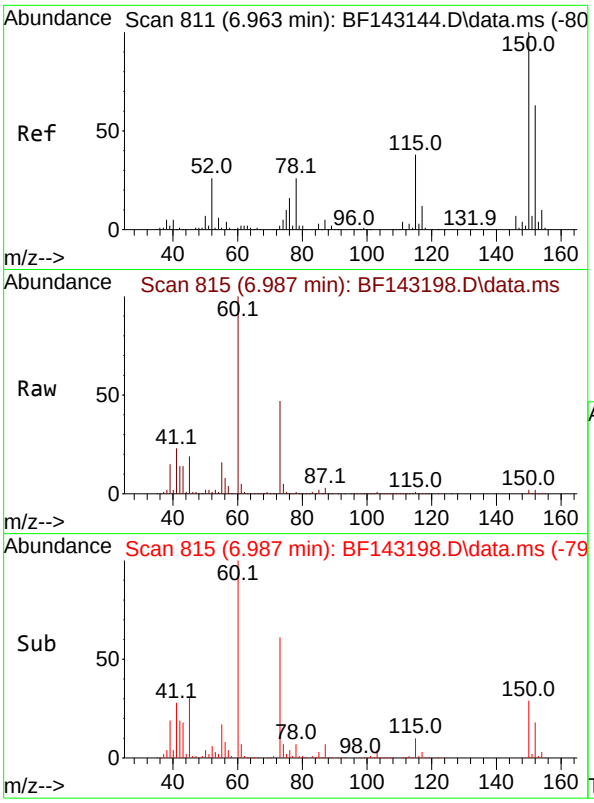
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143198.D
Acq On : 22 Jul 2025 19:51
Operator : RC/JU
Sample : Q2646-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Quant Time: Jul 23 04:51:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



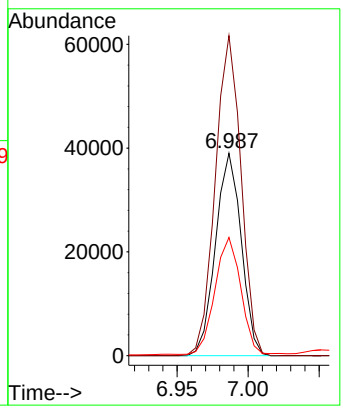


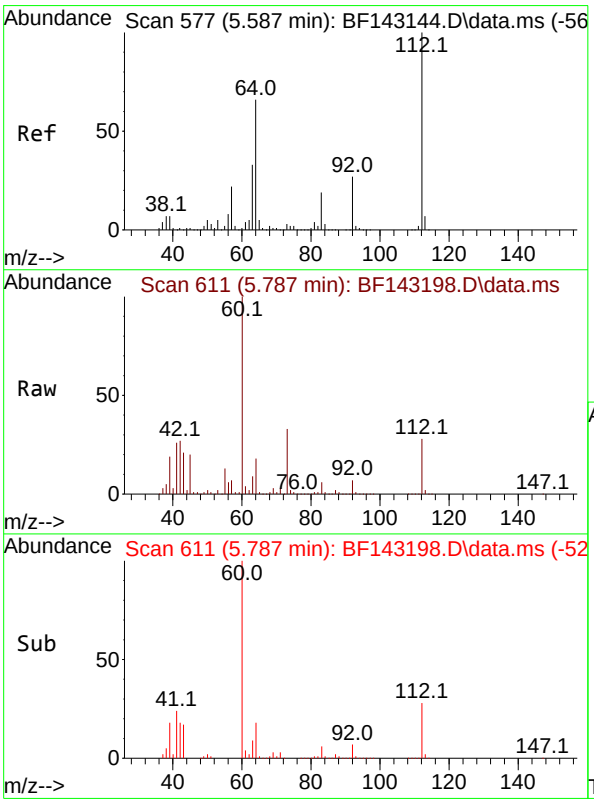
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:152 Resp: 49096

Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.2	192.4
115	58.4	47.9	71.9

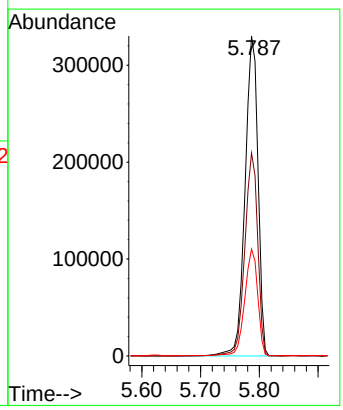


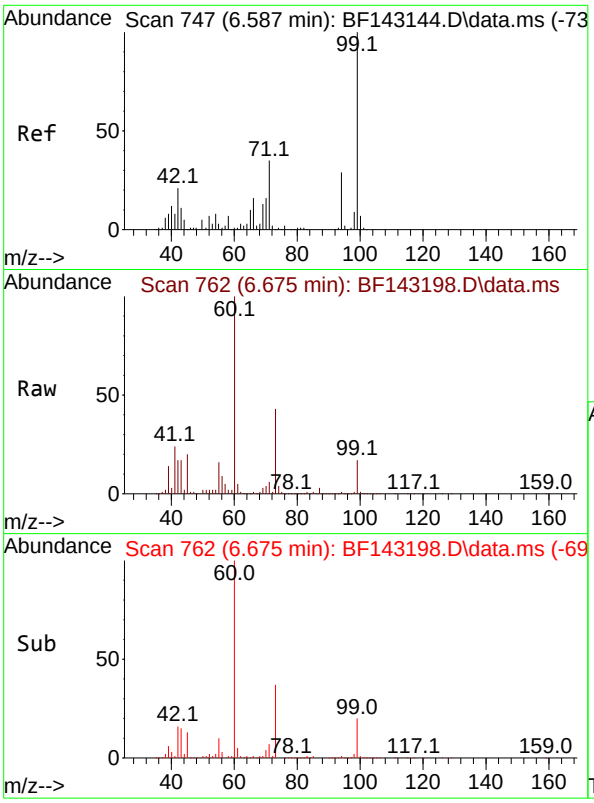


#5
2-Fluorophenol
Concen: 162.848 ng
RT: 5.787 min Scan# 611
Delta R.T. 0.200 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:112 Resp: 505237

Ion	Ratio	Lower	Upper
112	100		
64	63.5	53.1	79.7
63	33.4	26.6	40.0



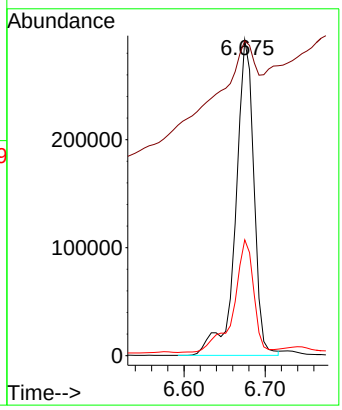


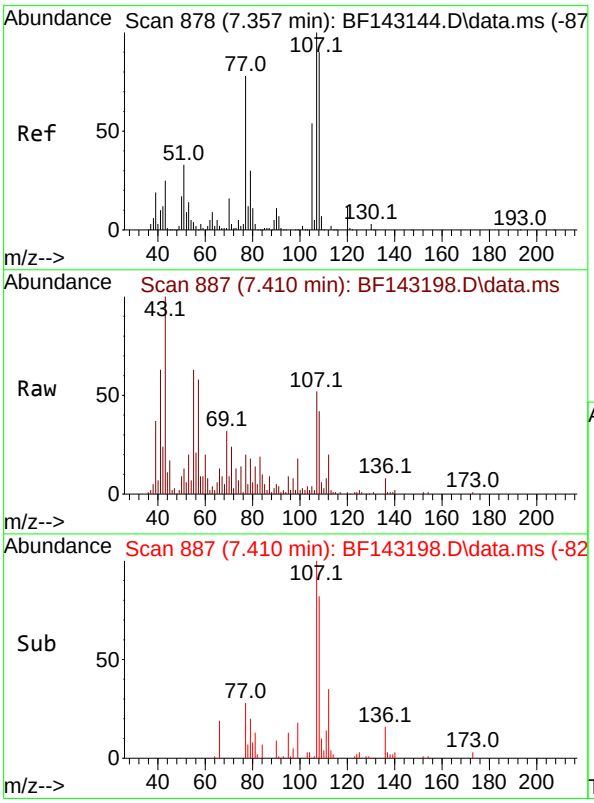
#7
Phenol-d6
Concen: 116.485 ng
RT: 6.675 min Scan# 7
Delta R.T. 0.088 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion: 99 Resp: 454882

Ion	Ratio	Lower	Upper
99	100		
42	99.6	17.0	25.6#
71	36.6	27.7	41.5

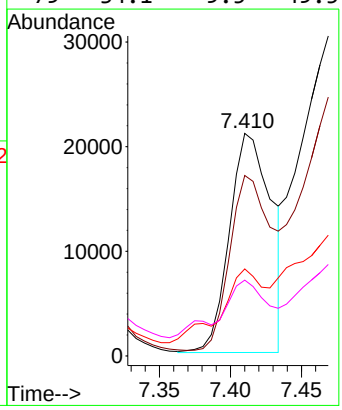


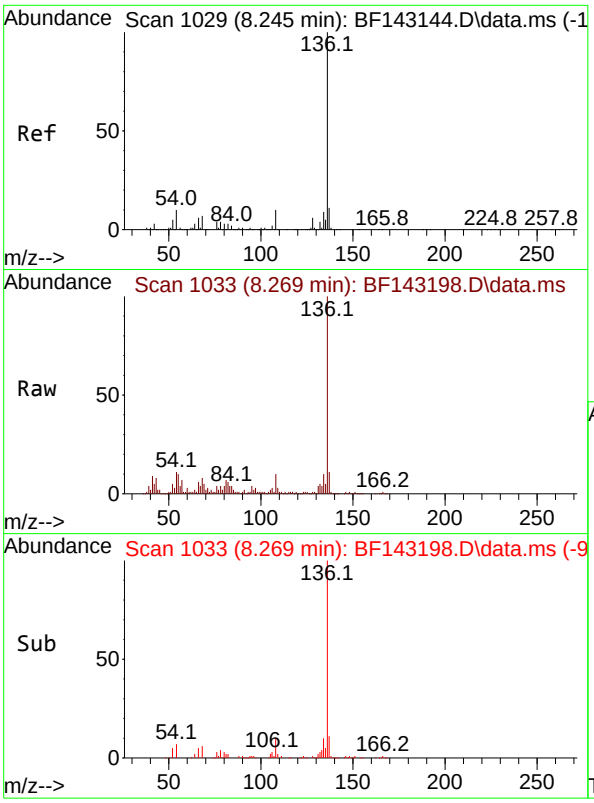


#20
3+4-Methylphenols
Concen: 13.004 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.053 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:107 Resp: 43141

Ion	Ratio	Lower	Upper
107	100		
108	81.1	70.0	110.0
77	39.1	57.8	97.8#
79	34.1	9.5	49.5



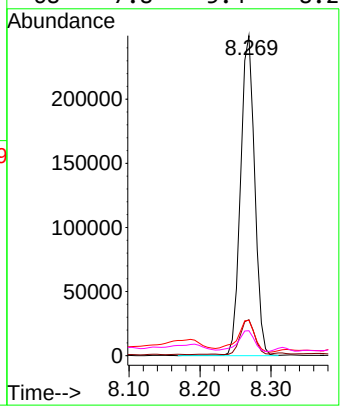


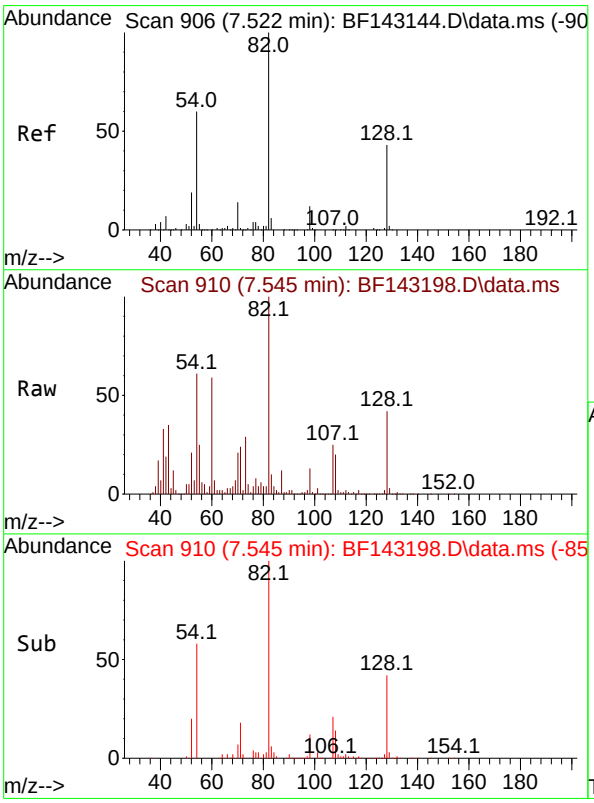
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:136 Resp: 345774

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	11.1	8.2	12.2
68	7.8	5.4	8.2

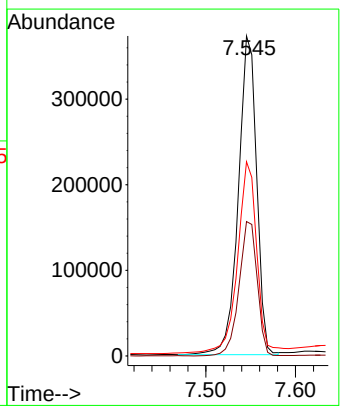


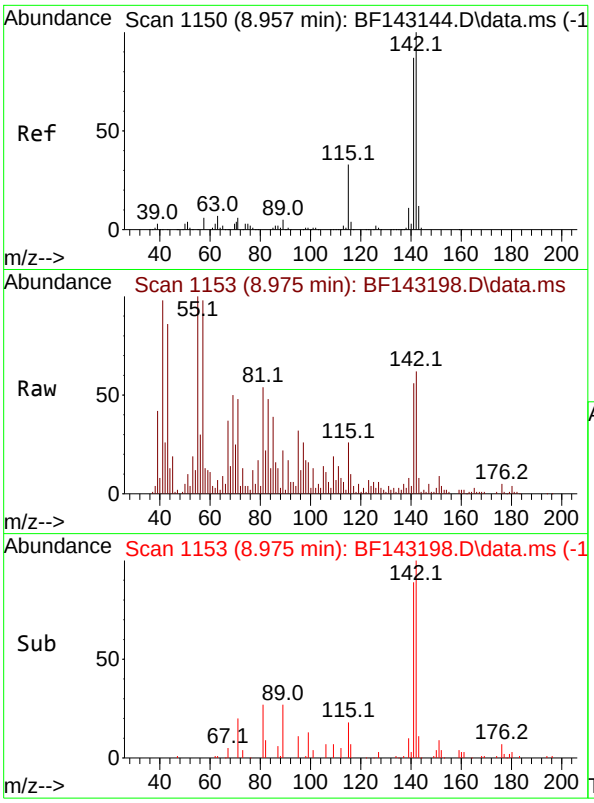


#23
Nitrobenzene-d5
Concen: 75.905 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion: 82 Resp: 526527

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	60.7	47.1	70.7



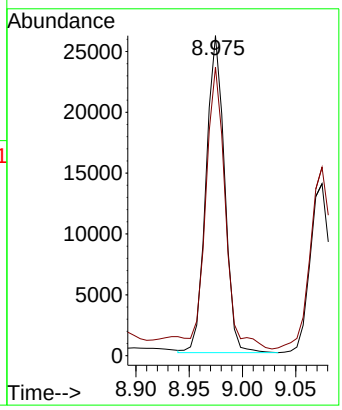


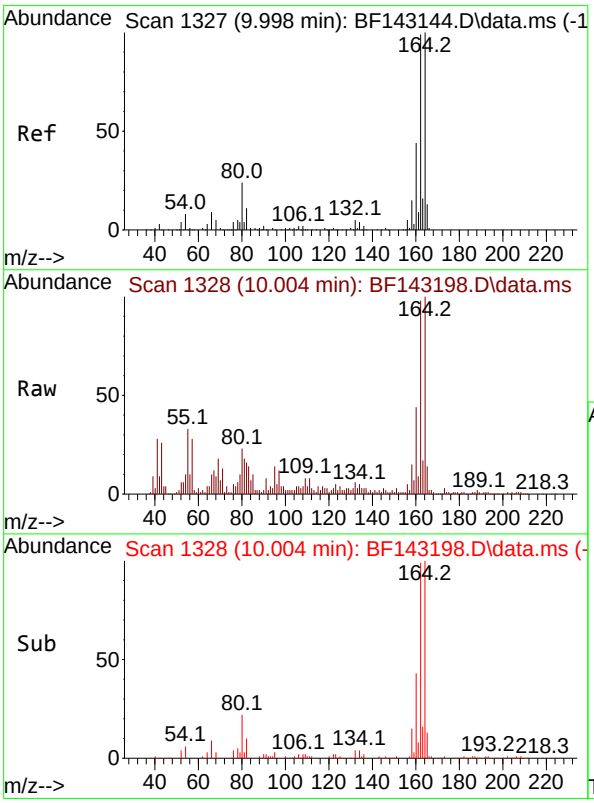
#37
2-Methylnaphthalene
Concen: 3.036 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:142 Resp: 31462

Ion	Ratio	Lower	Upper
142	100		
141	90.2	69.9	104.9

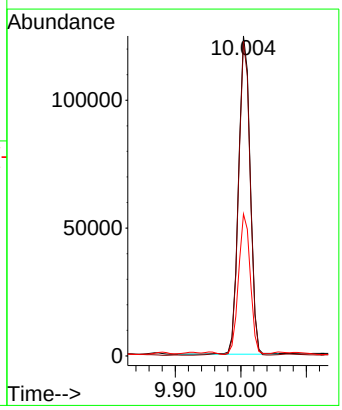


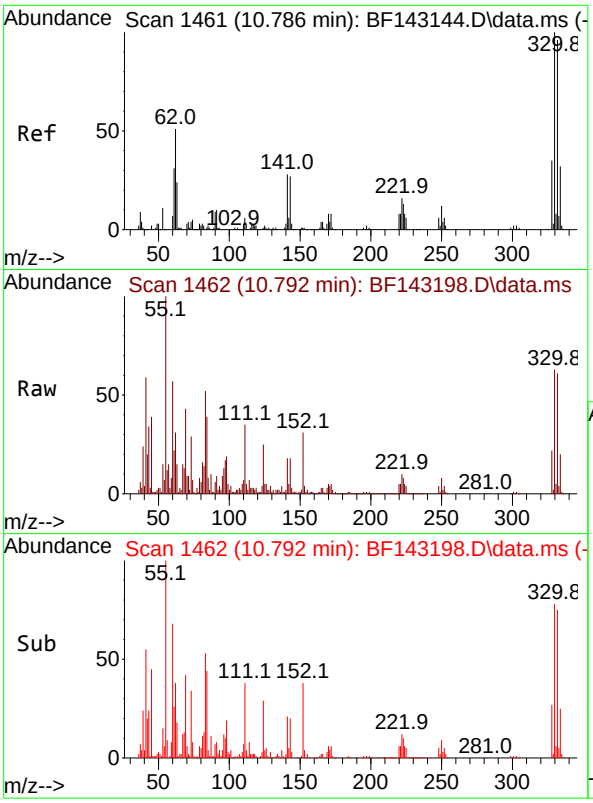


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:164 Resp: 154112

Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.0	118.6
160	44.3	35.1	52.7



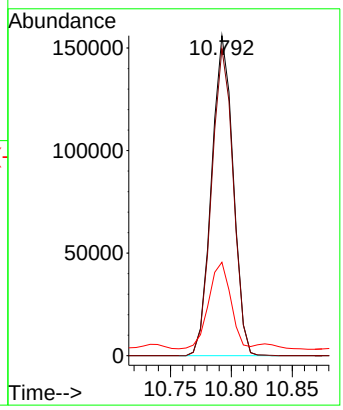


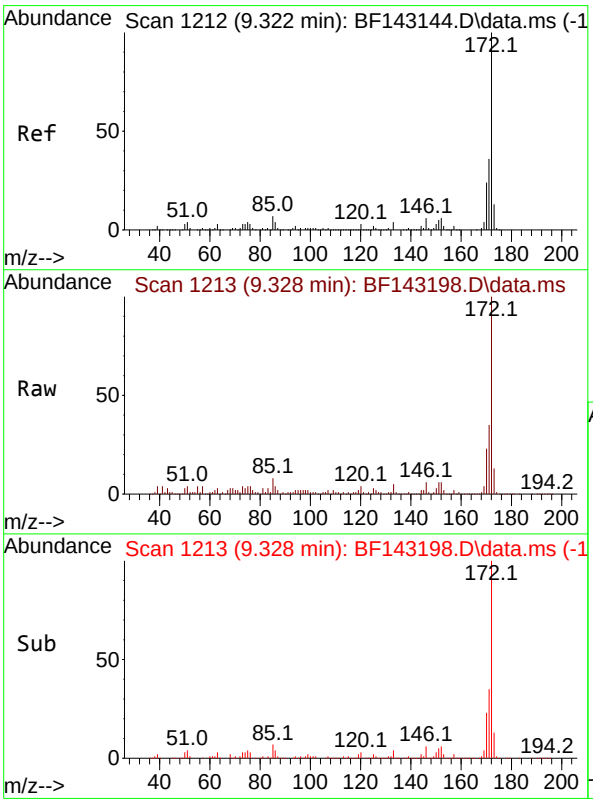
#42
2,4,6-Tribromophenol
Concen: 120.973 ng
RT: 10.792 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:330 Resp: 192596

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	28.3	23.3	34.9

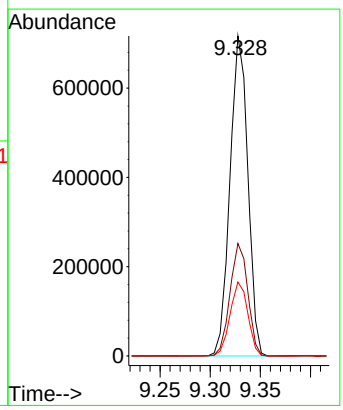


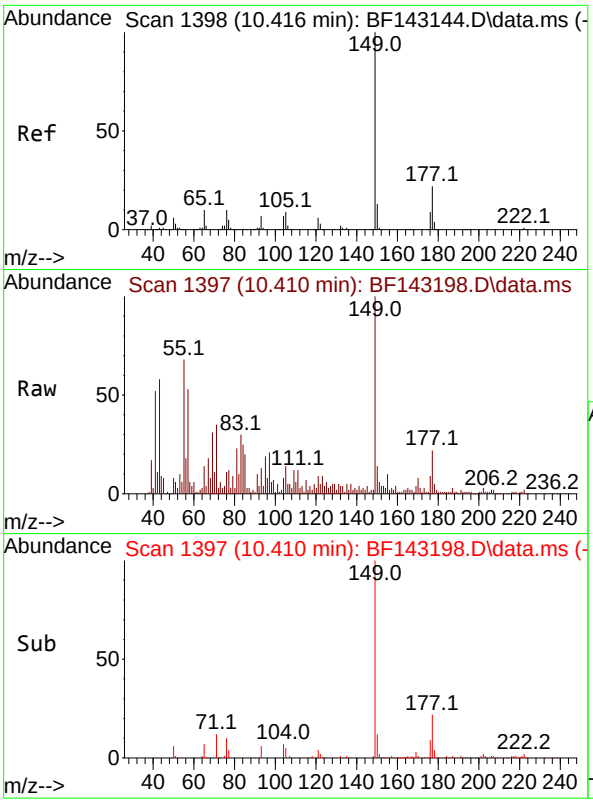


#45
2-Fluorobiphenyl
Concen: 78.597 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:172 Resp: 885683

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.1	18.8	28.2



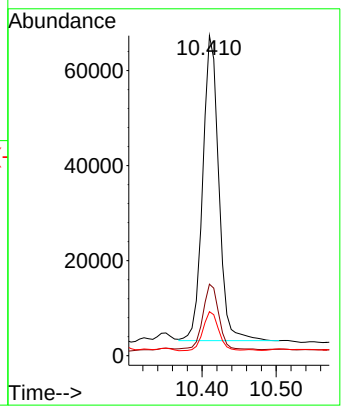


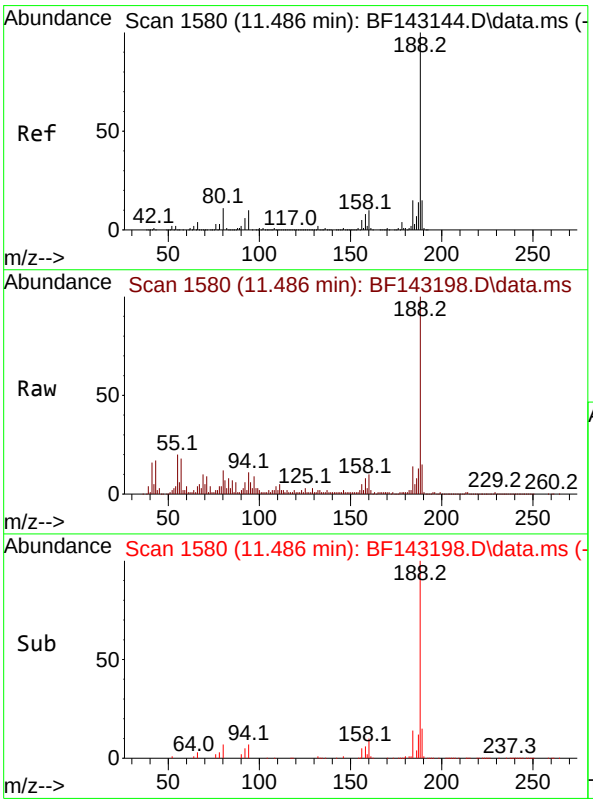
#60
Diethylphthalate
Concen: 9.789 ng
RT: 10.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:149 Resp: 97198

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.5	26.3
150	13.7	10.2	15.2

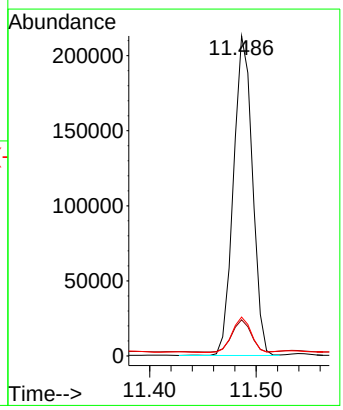


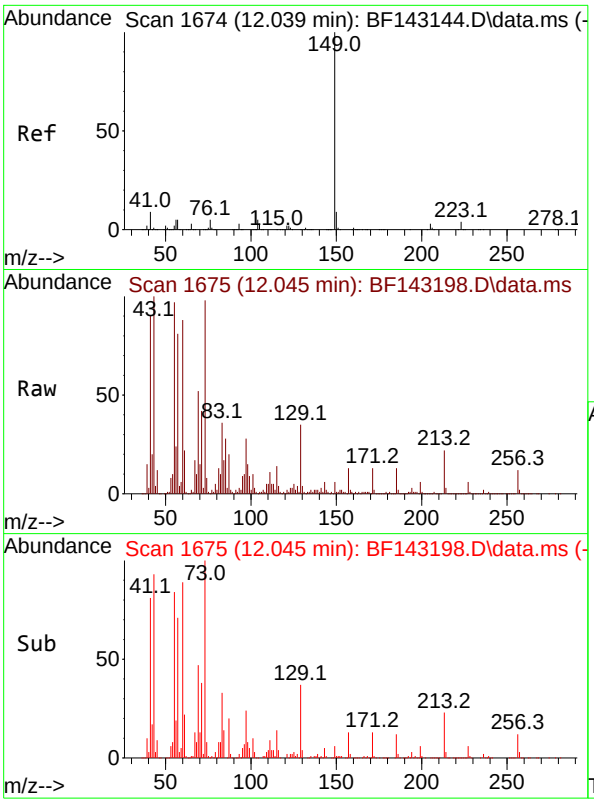


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:188 Resp: 263977

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.3	12.5
80	12.1	9.0	13.6



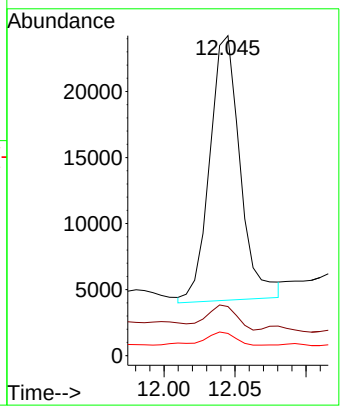


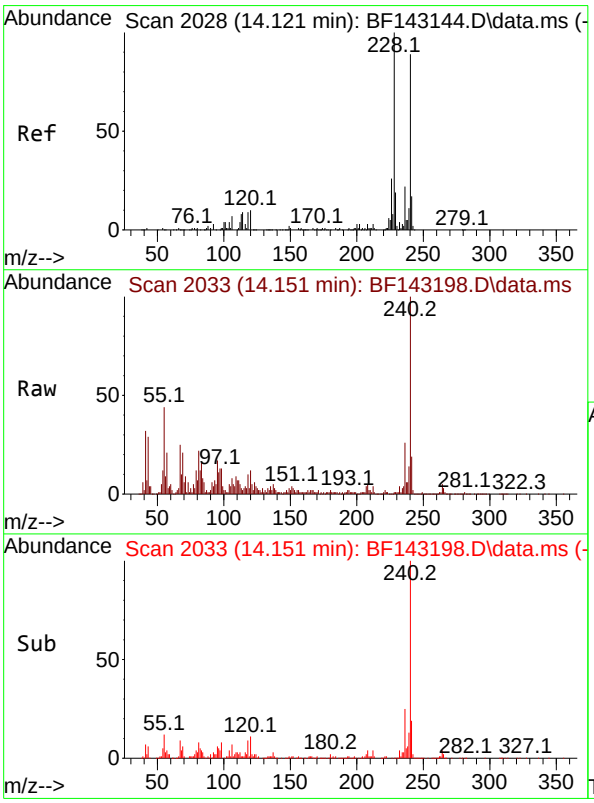
#74
Di-n-butylphthalate
Concen: 2.121 ng
RT: 12.045 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:149 Resp: 29957

Ion	Ratio	Lower	Upper
149	100		
150	15.4	7.4	11.2#
104	7.0	3.8	5.8#

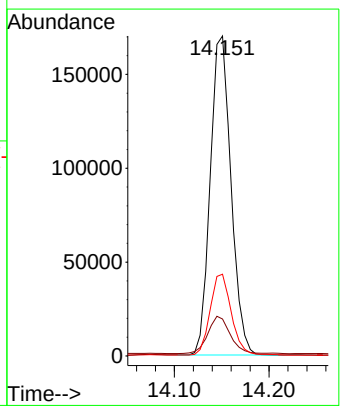


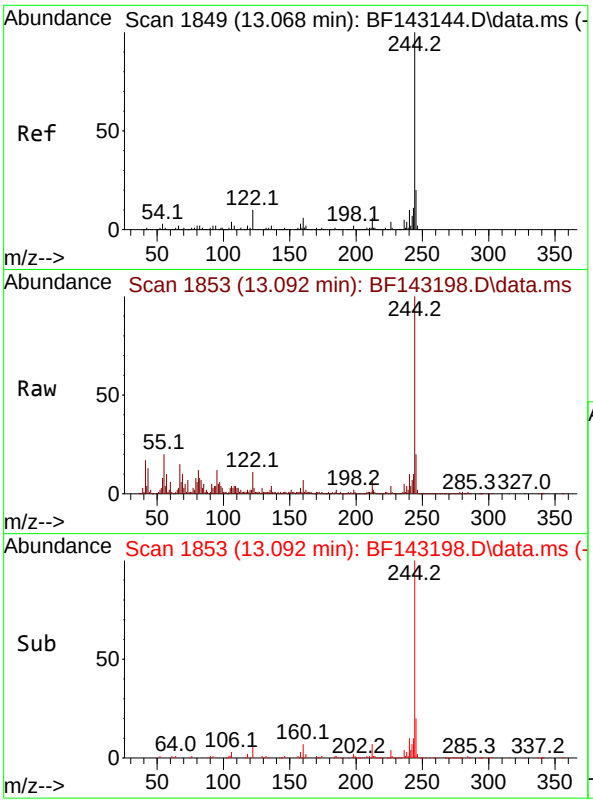


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.029 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:240 Resp: 258410

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.2
236	25.5	20.2	30.4



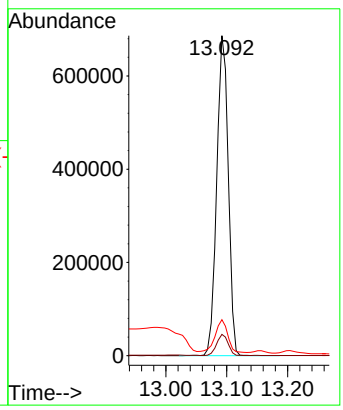


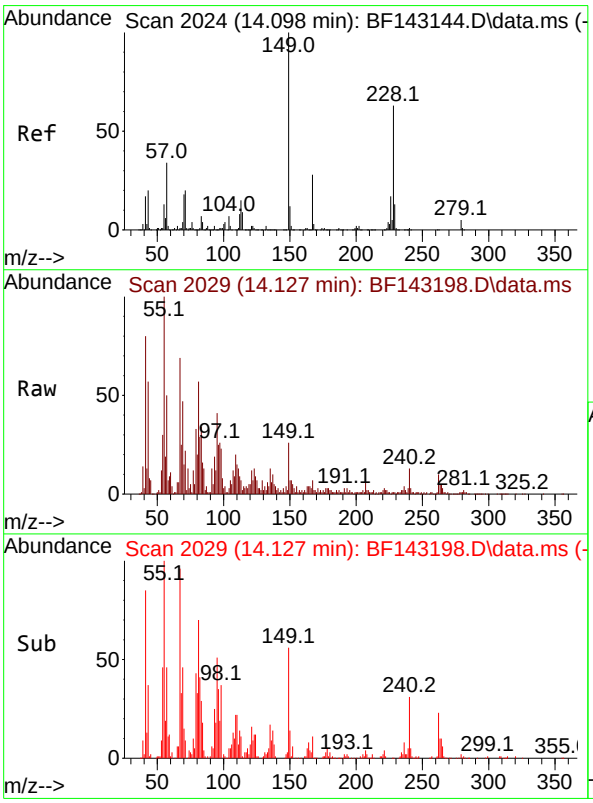
#79
Terphenyl-d14
Concen: 51.873 ng
RT: 13.092 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:244 Resp: 900783

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	11.2	8.2	12.2

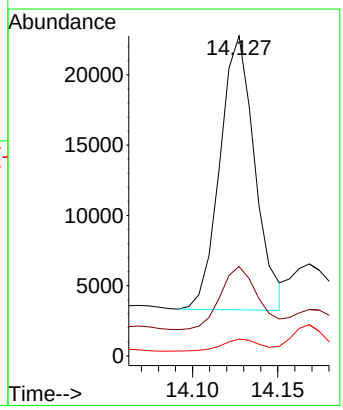


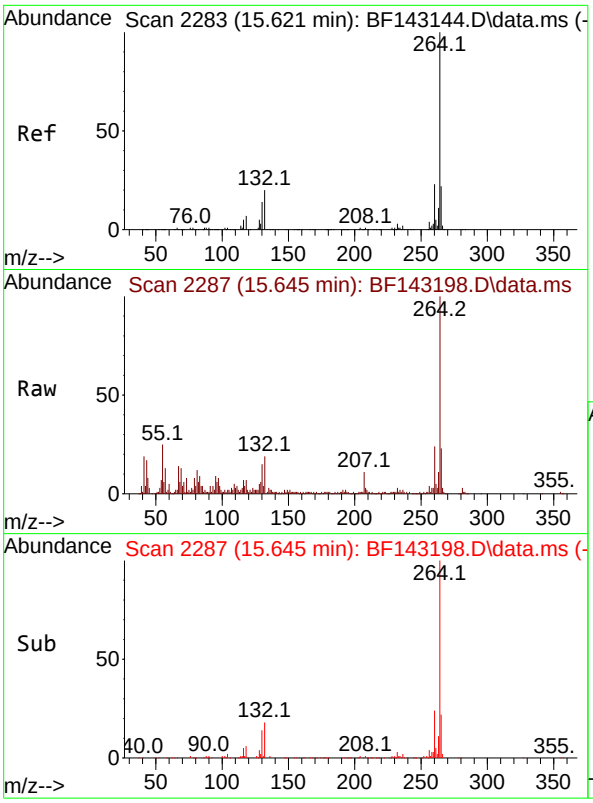


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.715 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.029 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:149 Resp: 27750

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	5.3	3.6	5.4



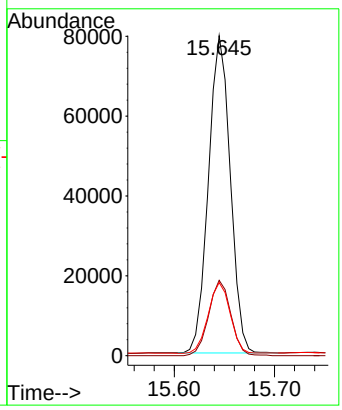


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:264 Resp: 120241

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.9	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143190.D
Acq On : 22 Jul 2025 15:52
Operator : RC/JU
Sample : PB168954BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Quant Time: Jul 22 16:39:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

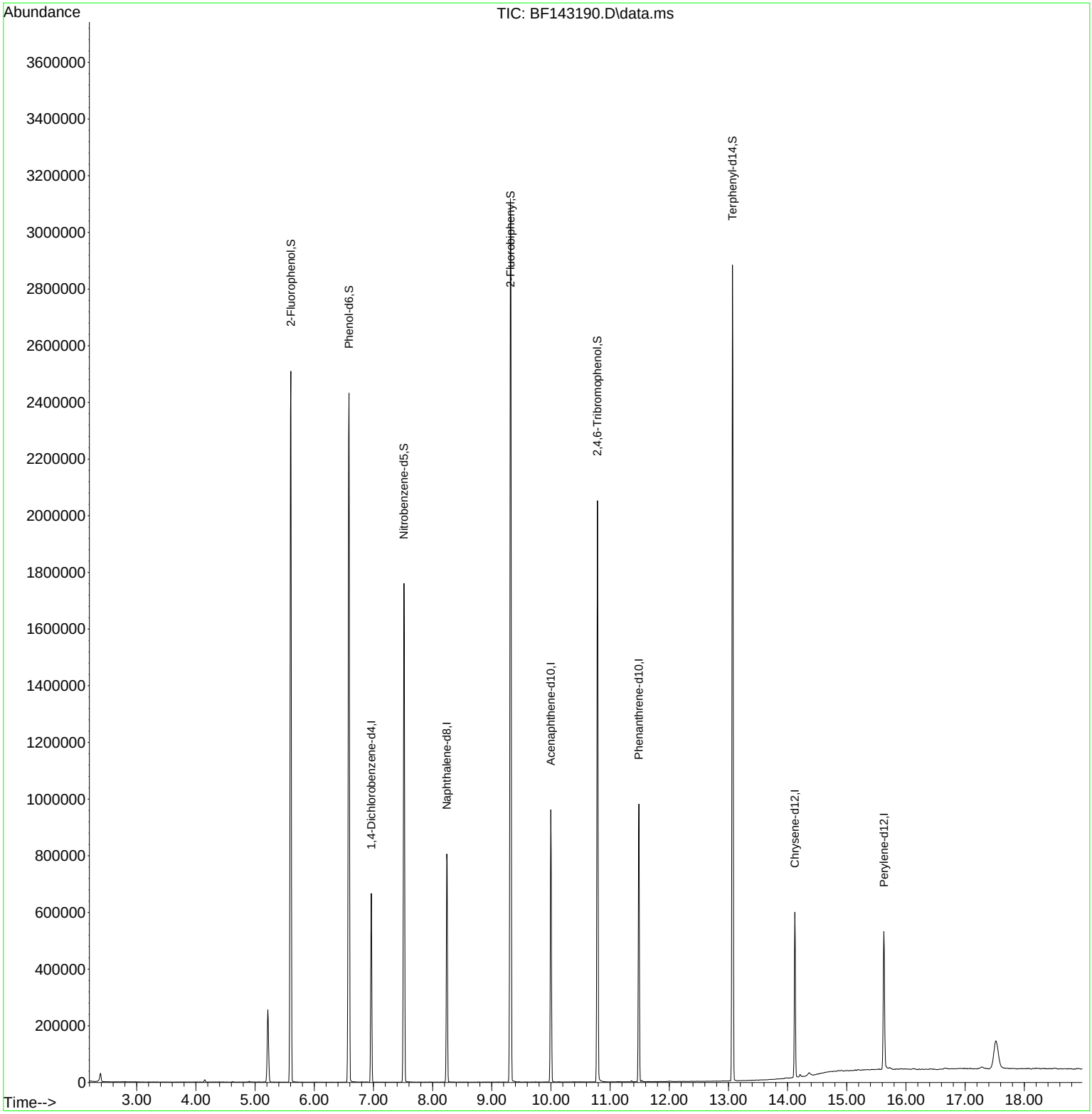
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	132474	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	517206	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	278568	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	486814	20.000	ng	0.00
76) Chrysene-d12	14.121	240	272386	20.000	ng	0.00
86) Perylene-d12	15.627	264	282193	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	954778	114.053	ng	0.02
7) Phenol-d6	6.587	99	1218388	115.630	ng	0.00
23) Nitrobenzene-d5	7.516	82	805087	77.592	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	368725	128.129	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1492676	73.283	ng	0.00
79) Terphenyl-d14	13.069	244	1417024	77.415	ng	0.00
Target Compounds						Qvalue

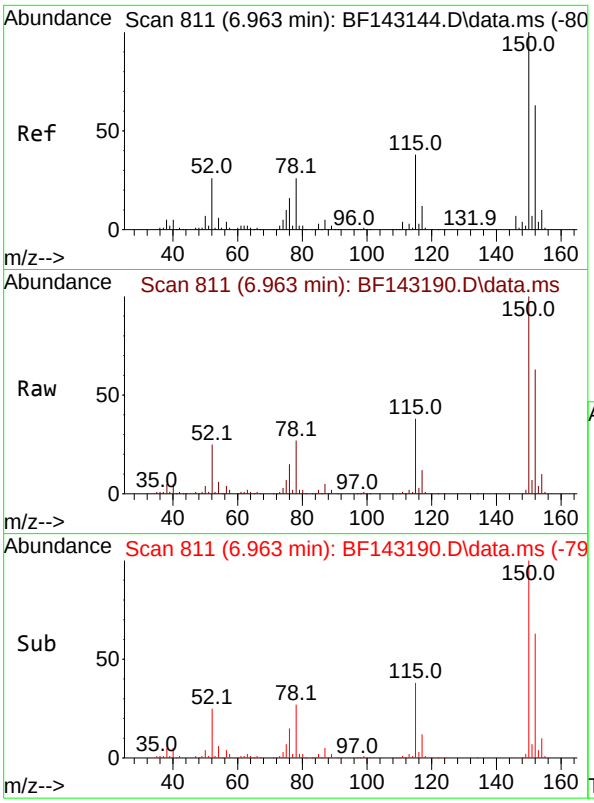
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143190.D
Acq On : 22 Jul 2025 15:52
Operator : RC/JU
Sample : PB168954BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Quant Time: Jul 22 16:39:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



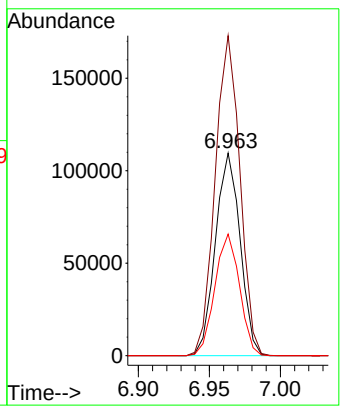


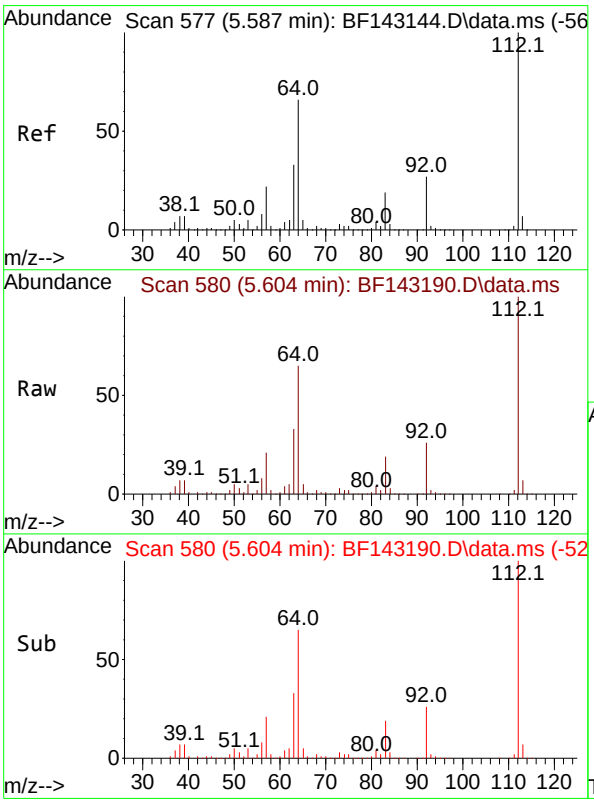
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion:152 Resp: 132474

Ion	Ratio	Lower	Upper
152	100		
150	158.0	128.2	192.4
115	60.0	47.9	71.9

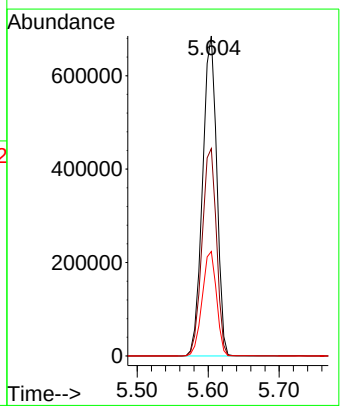


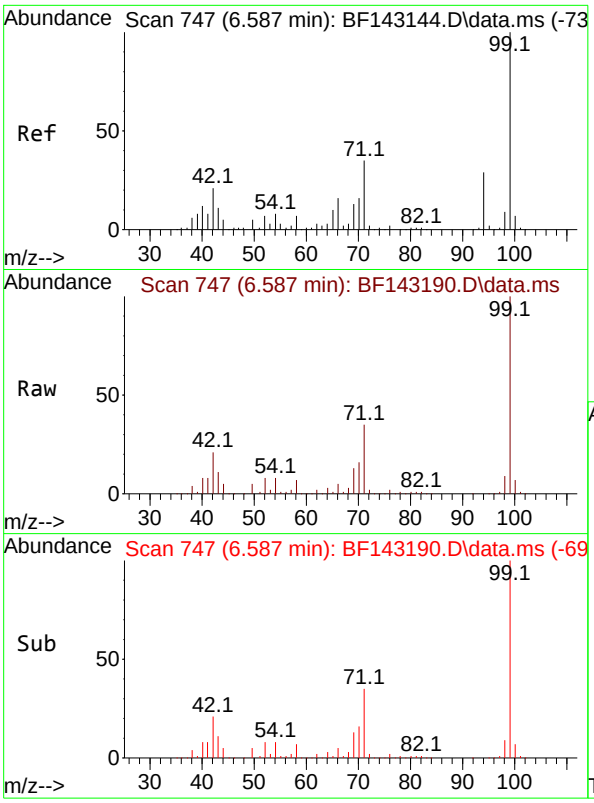


#5
2-Fluorophenol
Concen: 114.053 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:112 Resp: 954778

Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.1	79.7
63	32.7	26.6	40.0



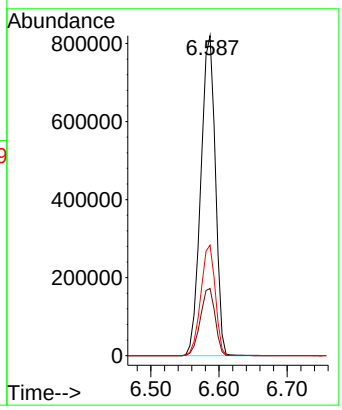


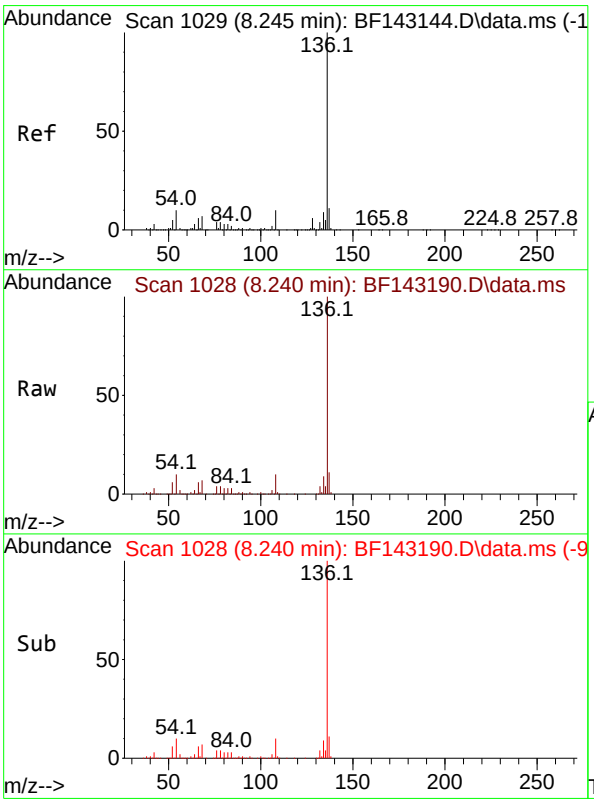
#7
Phenol-d6
Concen: 115.630 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion: 99 Resp: 1218388

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	34.6	27.7	41.5

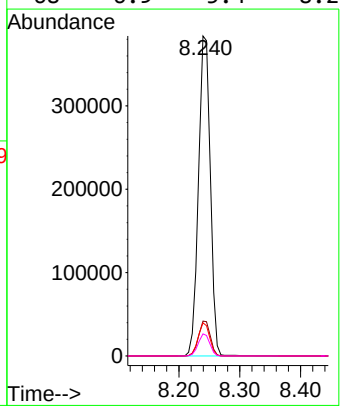


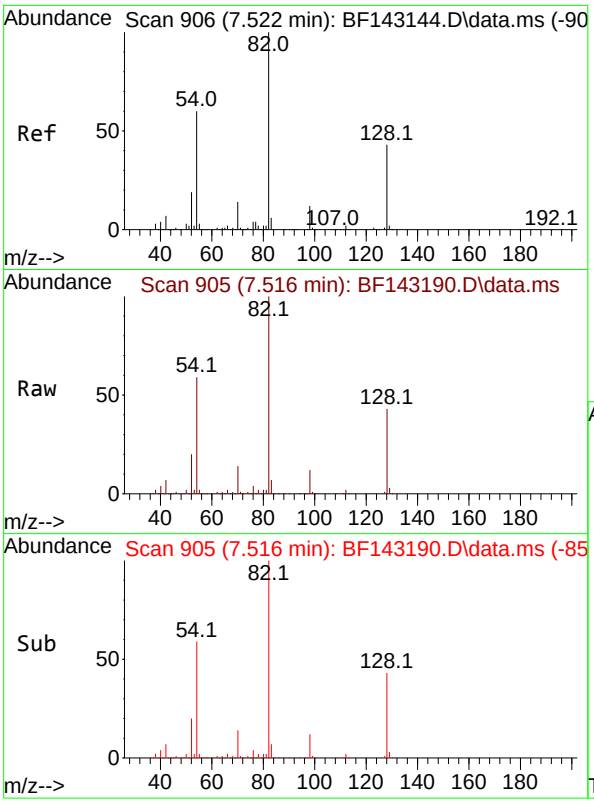


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:136 Resp: 517206

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.2	12.2
68	6.9	5.4	8.2



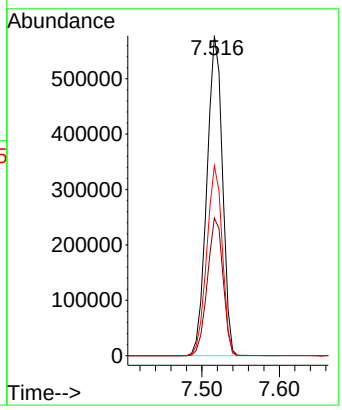


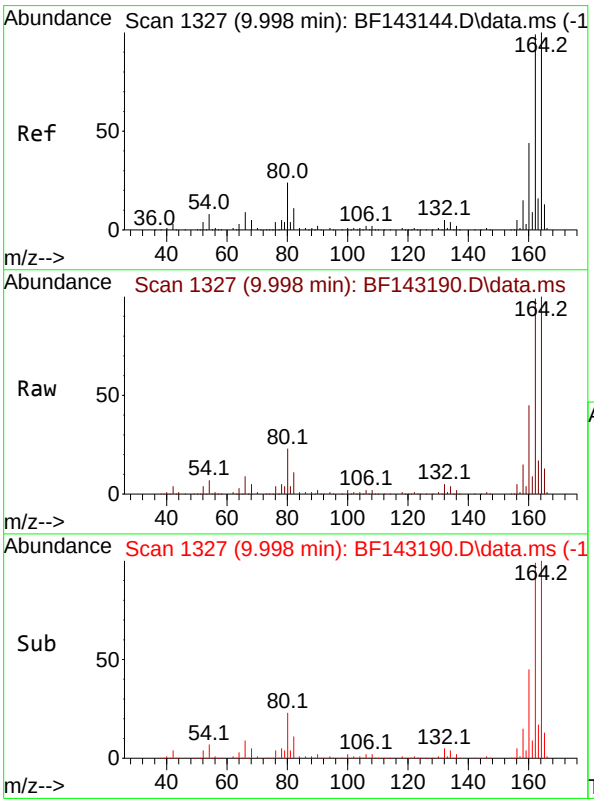
#23
Nitrobenzene-d5
Concen: 77.592 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion: 82 Resp: 805087

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	59.4	47.1	70.7

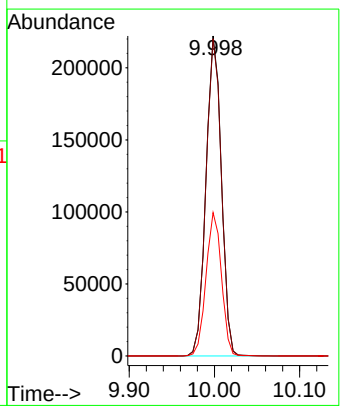


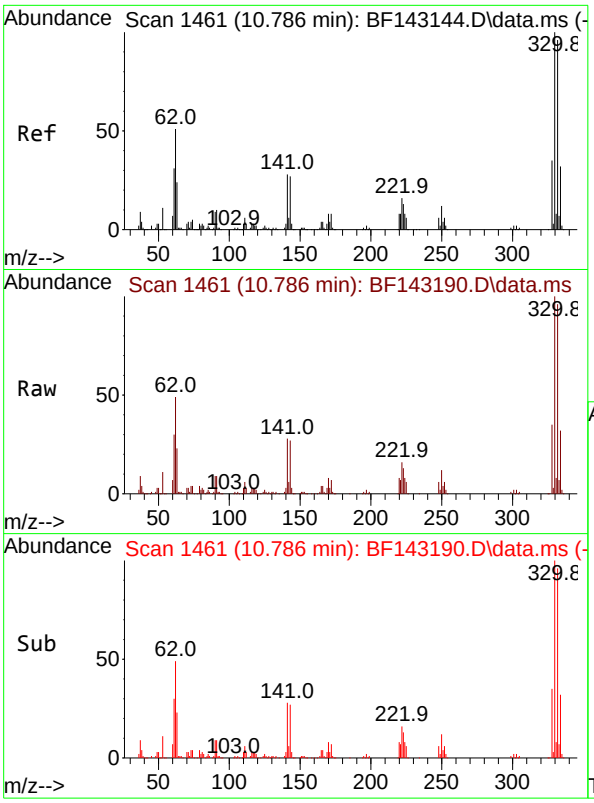


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:164 Resp: 278568

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.8	35.1	52.7



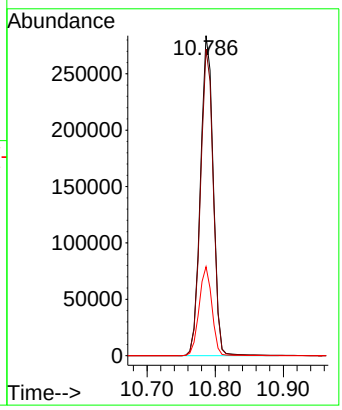


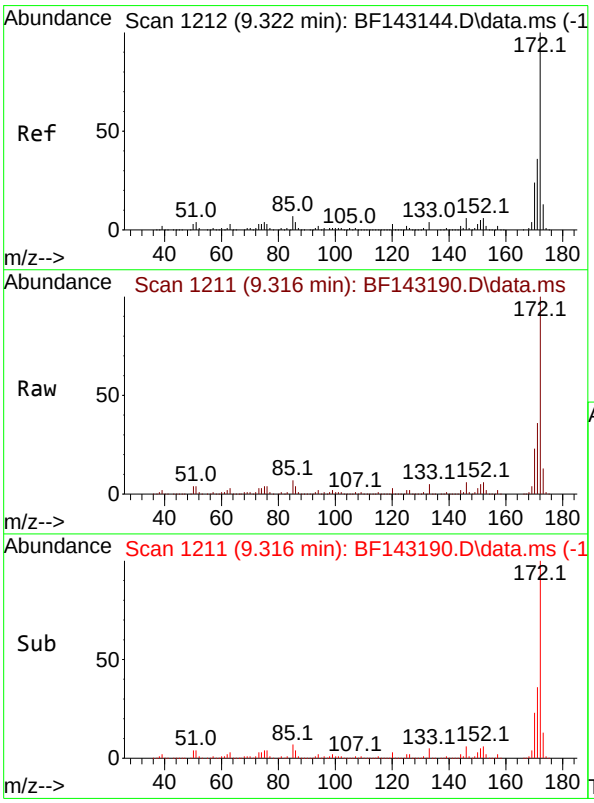
#42
2,4,6-Tribromophenol
Concen: 128.129 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion:330 Resp: 368725

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	27.9	23.3	34.9

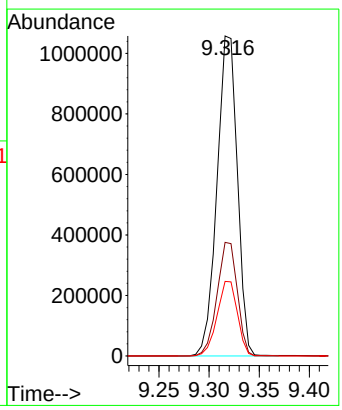


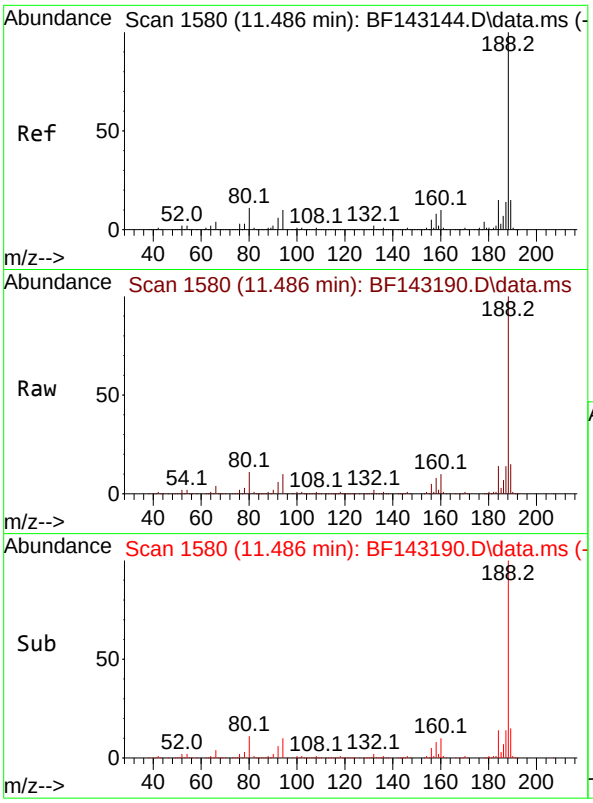


#45
2-Fluorobiphenyl
Concen: 73.283 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:172 Resp: 1492676

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.3	18.8	28.2



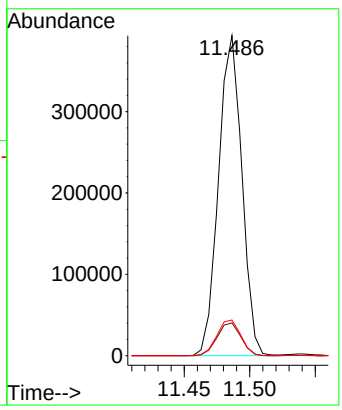


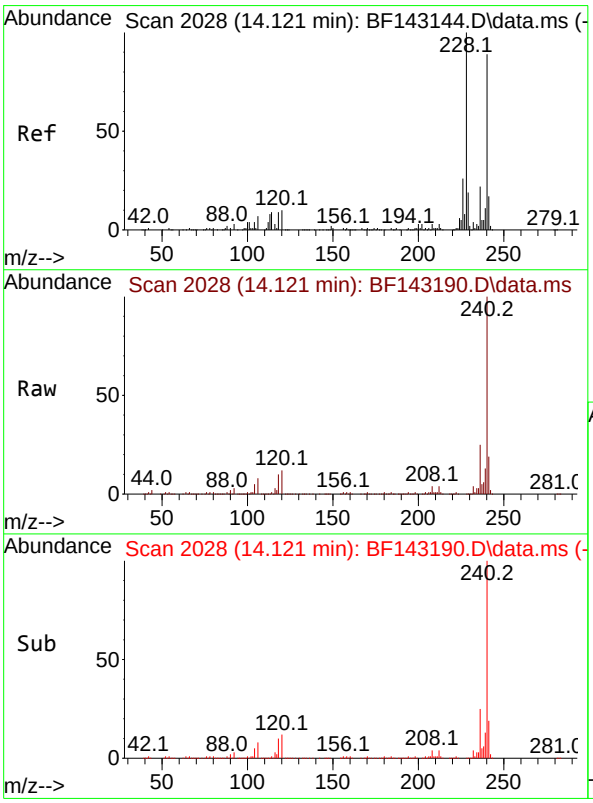
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion:188 Resp: 486814

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.2	9.0	13.6

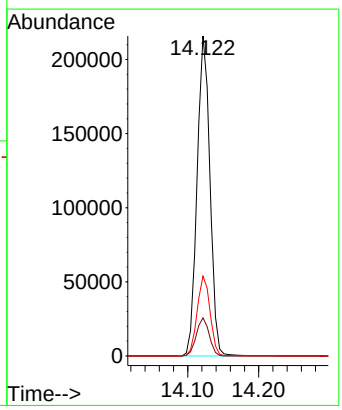


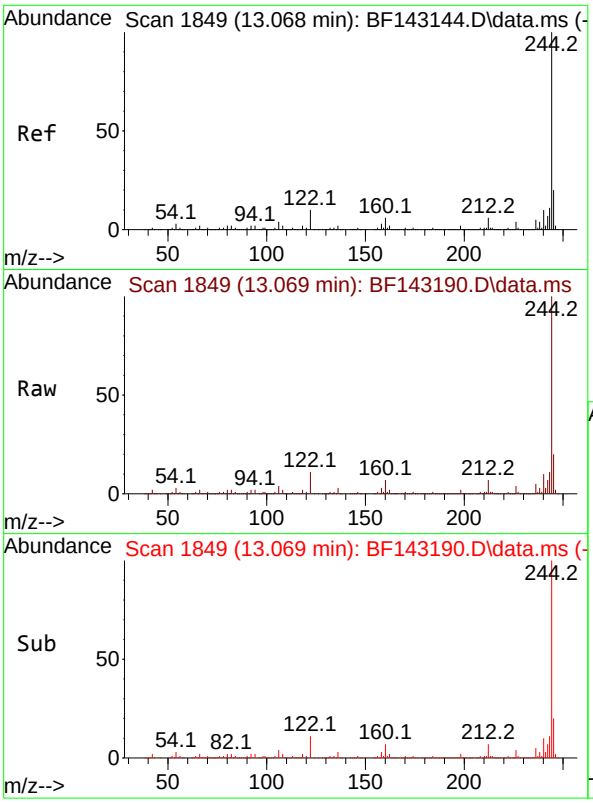


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:240 Resp: 272386

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	25.0	20.2	30.4



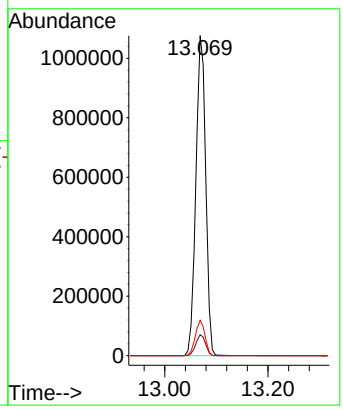


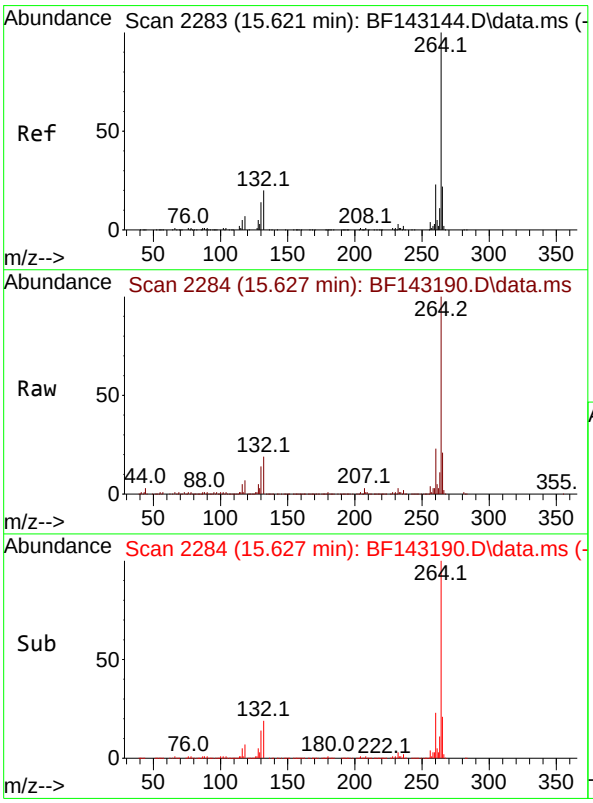
#79
Terphenyl-d14
Concen: 77.415 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168954BL

Tgt Ion:244 Resp: 1417024

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.1	8.2	12.2

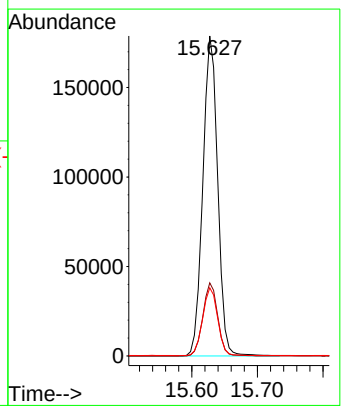




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:264 Resp: 282193

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.3	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143213.D
Acq On : 23 Jul 2025 16:00
Operator : RC/JU
Sample : PB168954BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 16:22:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168954BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	127773	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	503486	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	265187	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	449718	20.000	ng		0.00
76) Chrysene-d12	14.127	240	253510	20.000	ng		0.00
86) Perylene-d12	15.627	264	261797	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.610	112	916900	113.558	ng		0.02
7) Phenol-d6	6.598	99	1153015	113.452	ng		0.01
23) Nitrobenzene-d5	7.522	82	828442	82.019	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	344125	125.615	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1475069	76.072	ng		0.00
79) Terphenyl-d14	13.069	244	1407338	82.611	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.910	88	132471	34.673	ng		100
3) Pyridine	3.657	79	366838	36.993	ng		99
4) n-Nitrosodimethylamine	3.604	42	215046	42.002	ng		98
6) Aniline	6.628	93	453418	32.012	ng		98
8) 2-Chlorophenol	6.751	128	371590	43.905	ng		98
9) Benzaldehyde	6.510	77	245056	32.156	ng		98
10) Phenol	6.610	94	469882	42.440	ng		87
11) bis(2-Chloroethyl)ether	6.693	93	357840	42.212	ng		100
12) 1,3-Dichlorobenzene	6.910	146	386199	42.005	ng		99
13) 1,4-Dichlorobenzene	6.981	146	393397	42.488	ng		99
14) 1,2-Dichlorobenzene	7.134	146	380909	43.254	ng		100
15) Benzyl Alcohol	7.098	79	349759	45.072	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	660695	42.015	ng		97
17) 2-Methylphenol	7.216	107	312356	43.893	ng		98
18) Hexachloroethane	7.481	117	142004	44.303	ng		99
19) n-Nitroso-di-n-propyla...	7.375	70	275552	42.261	ng		100
20) 3+4-Methylphenols	7.363	107	368857	42.722	ng	#	80
22) Acetophenone	7.369	105	498995	41.862	ng		96
24) Nitrobenzene	7.540	77	416358	44.214	ng		98
25) Isophorone	7.781	82	767871	43.064	ng		99
26) 2-Nitrophenol	7.857	139	202876	49.640	ng		100
27) 2,4-Dimethylphenol	7.892	122	353154	42.392	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	454347	42.499	ng		99
29) 2,4-Dichlorophenol	8.098	162	308890	43.967	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	329323	43.389	ng		100
31) Naphthalene	8.269	128	1076778	43.425	ng		99
32) Benzoic acid	8.010	122	237583	50.344	ng		98
33) 4-Chloroaniline	8.304	127	151427	14.956	ng		99
34) Hexachlorobutadiene	8.387	225	204807	44.172	ng		99
35) Caprolactam	8.675	113	104609m	49.274	ng		
36) 4-Chloro-3-methylphenol	8.792	107	348866	45.686	ng		99
37) 2-Methylnaphthalene	8.957	142	658532	43.644	ng		100
38) 1-Methylnaphthalene	9.057	142	675295	43.462	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	321264	41.961	ng		99
41) Hexachlorocyclopentadiene	9.116	237	448113	89.952	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	236950	44.718	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143213.D
Acq On : 23 Jul 2025 16:00
Operator : RC/JU
Sample : PB168954BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 16:22:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168954BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	236712	44.660	ng		98
46) 1,1'-Biphenyl	9.422	154	896929	43.351	ng		100
47) 2-Chloronaphthalene	9.445	162	657554	42.952	ng		100
48) 2-Nitroaniline	9.534	65	230570	48.027	ng		97
49) Acenaphthylene	9.863	152	1113812	43.414	ng		100
50) Dimethylphthalate	9.716	163	786201	45.483	ng		100
51) 2,6-Dinitrotoluene	9.775	165	173323	49.290	ng		99
52) Acenaphthene	10.039	154	721953	47.611	ng		97
53) 3-Nitroaniline	9.945	138	124269	30.214	ng		96
54) 2,4-Dinitrophenol	10.051	184	177281	108.635	ng	#	1
55) Dibenzofuran	10.210	168	965446	42.884	ng		100
56) 4-Nitrophenol	10.104	139	288911	94.066	ng		98
57) 2,4-Dinitrotoluene	10.181	165	233822	53.000	ng		96
58) Fluorene	10.551	166	747219	44.223	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189277	43.109	ng		98
60) Diethylphthalate	10.422	149	789791	46.227	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	374523	44.515	ng		99
62) 4-Nitroaniline	10.563	138	175257	49.717	ng		98
63) Azobenzene	10.698	77	780361	43.824	ng		100
65) 4,6-Dinitro-2-methylph...	10.592	198	120214	50.654	ng		96
66) n-Nitrosodiphenylamine	10.657	169	669884	42.301	ng		100
67) 4-Bromophenyl-phenylether	11.028	248	233035	43.481	ng		98
68) Hexachlorobenzene	11.104	284	245838	43.886	ng		98
69) Atrazine	11.180	200	213830	48.978	ng		99
70) Pentachlorophenol	11.292	266	203492	61.771	ng		99
71) Phenanthrene	11.516	178	1030740	43.166	ng		99
72) Anthracene	11.563	178	1059988	43.525	ng		100
73) Carbazole	11.716	167	945375	44.456	ng		100
74) Di-n-butylphthalate	12.039	149	1168492	48.562	ng		100
75) Fluoranthene	12.698	202	1021799	46.620	ng		99
77) Benzidine	12.810	184	430639	44.091	ng		99
78) Pyrene	12.927	202	1010330	46.697	ng		100
80) Butylbenzylphthalate	13.539	149	392773	59.285	ng		98
81) Benzo(a)anthracene	14.116	228	764664	45.053	ng		100
82) 3,3'-Dichlorobenzidine	14.069	252	126532	22.368	ng		97
83) Chrysene	14.151	228	680186	44.573	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	515251	51.382	ng		100
85) Di-n-octyl phthalate	14.716	149	825088	45.393	ng		99
87) Indeno(1,2,3-cd)pyrene	17.168	276	840404	45.525	ng		99
88) Benzo(b)fluoranthene	15.186	252	713448	44.609	ng		99
89) Benzo(k)fluoranthene	15.215	252	663116	46.464	ng		99
90) Benzo(a)pyrene	15.563	252	672961	45.669	ng		99
91) Dibenzo(a,h)anthracene	17.192	278	679016	45.191	ng		98
92) Benzo(g,h,i)perylene	17.639	276	671436	46.196	ng		99

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

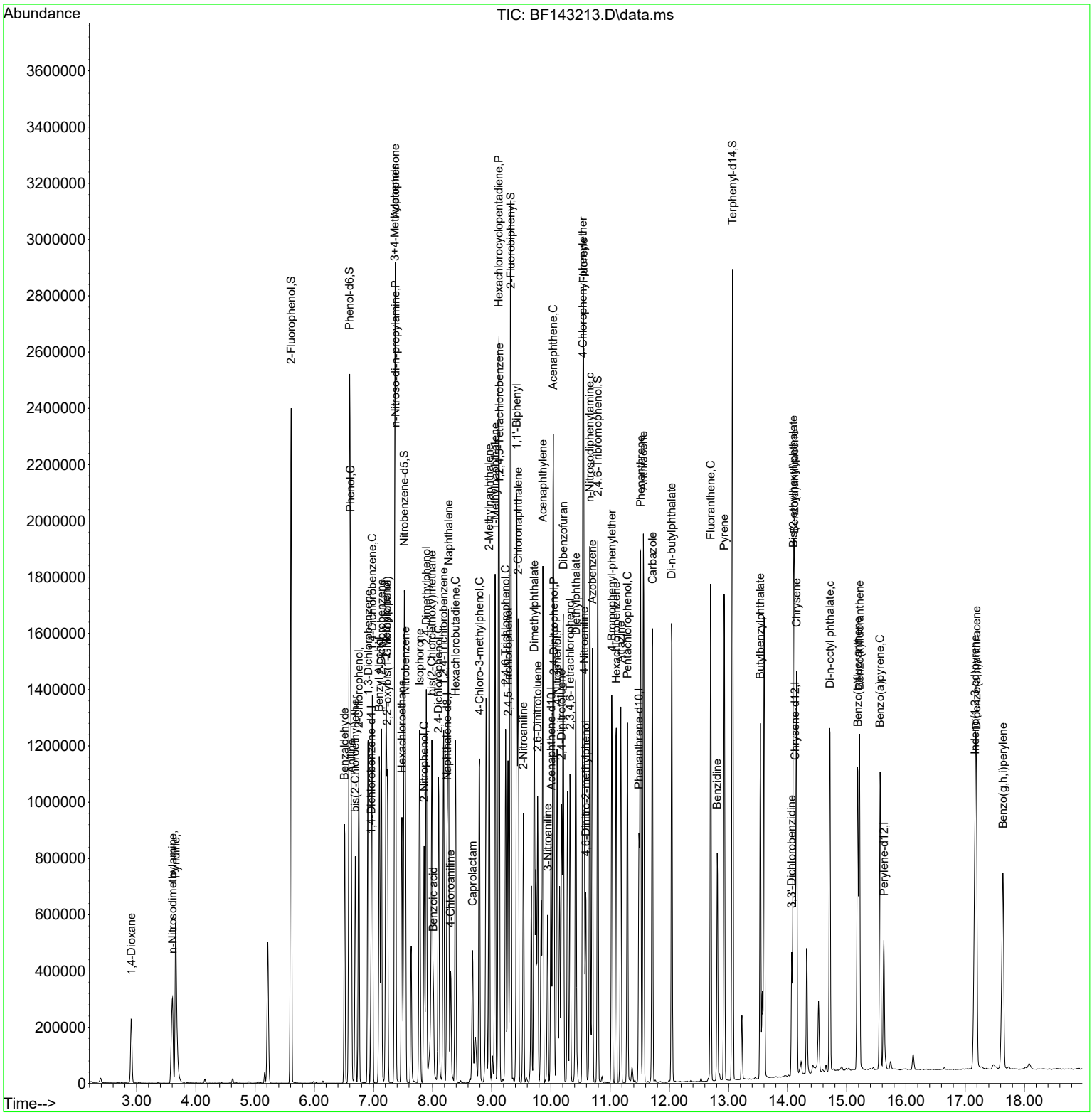
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143213.D
Acq On : 23 Jul 2025 16:00
Operator : RC/JU
Sample : PB168954BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 16:22:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168954BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143199.D
Acq On : 22 Jul 2025 20:20
Operator : RC/JU
Sample : Q2646-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 23 04:52:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.986	152	106919	20.000	ng		0.02
21) Naphthalene-d8	8.263	136	403875	20.000	ng		0.02
39) Acenaphthene-d10	10.010	164	174208	20.000	ng		0.01
64) Phenanthrene-d10	11.492	188	273501	20.000	ng		0.00
76) Chrysene-d12	14.151	240	256851	20.000	ng		0.03
86) Perylene-d12	15.651	264	185286	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.792	112	552475	81.770	ng		0.21
7) Phenol-d6	6.675	99	546469	64.258	ng		0.09
23) Nitrobenzene-d5	7.545	82	553643	68.332	ng		0.02
42) 2,4,6-Tribromophenol	10.798	330	178262	99.053	ng		0.01
45) 2-Fluorobiphenyl	9.328	172	935127	73.412	ng		0.00
79) Terphenyl-d14	13.092	244	806959	46.752	ng		0.02
Target Compounds						Qvalue	
2) 1,4-Dioxane	2.881	88	118206	36.974	ng	#	42
4) n-Nitrosodimethylamine	3.581	42	171005	39.915	ng	#	56
6) Aniline	6.722	93	173337	14.625	ng	#	55
8) 2-Chlorophenol	6.798	128	164249	23.192	ng		91
9) Benzaldehyde	6.557	77	142775	22.389	ng		98
10) Phenol	6.686	94	244774	26.420	ng		96
11) bis(2-Chloroethyl)ether	6.722	93	173337	24.436	ng		95
12) 1,3-Dichlorobenzene	6.928	146	149597m	19.445	ng		
13) 1,4-Dichlorobenzene	7.004	146	276221	35.652	ng		99
14) 1,2-Dichlorobenzene	7.157	146	214736	29.140	ng		98
15) Benzyl Alcohol	7.257	79	593018	91.326	ng	#	84
16) 2,2'-oxybis(1-Chloropr...	7.204	45	1724578m	131.059	ng		
17) 2-Methylphenol	7.269	107	469533	78.849	ng	#	60
18) Hexachloroethane	7.492	117	99536	37.110	ng		97
19) n-Nitroso-di-n-propyla...	7.410	70	203526	37.303	ng	#	92
20) 3+4-Methylphenols	7.504	107	378672m	52.413	ng		
22) Acetophenone	7.404	105	375876	39.310	ng	#	96
24) Nitrobenzene	7.569	77	262484	34.748	ng		99
25) Isophorone	7.881	82	524966	36.703	ng		99
26) 2-Nitrophenol	7.881	139	139283	42.485	ng		95
27) 2,4-Dimethylphenol	7.957	122	227380	34.026	ng		100
28) bis(2-Chloroethoxy)met...	8.022	93	320993	37.430	ng		97
29) 2,4-Dichlorophenol	8.157	162	185645	32.941	ng		97
30) 1,2,4-Trichlorobenzene	8.204	180	216579	35.572	ng		100
31) Naphthalene	8.286	128	751387	37.776	ng		100
32) Benzoic acid	8.181	122	269197	68.976	ng		97
33) 4-Chloroaniline	8.286	127	98017	12.069	ng	#	37
34) Hexachlorobutadiene	8.398	225	138458	37.227	ng		99
35) Caprolactam	8.786	113	67393m	39.574	ng		
36) 4-Chloro-3-methylphenol	8.816	107	200347	32.708	ng		98
37) 2-Methylnaphthalene	8.975	142	443408	36.634	ng		99
38) 1-Methylnaphthalene	9.075	142	427480	34.298	ng		99
40) 1,2,4,5-Tetrachloroben...	9.139	216	206106	40.979	ng		99
41) Hexachlorocyclopentadiene	9.128	237	176682	53.988	ng		99
43) 2,4,6-Trichlorophenol	9.251	196	126910	36.459	ng		99
44) 2,4,5-Trichlorophenol	9.298	196	134795	38.713	ng	#	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143199.D
Acq On : 22 Jul 2025 20:20
Operator : RC/JU
Sample : Q2646-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 23 04:52:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	9.428	154	563893	41.488	ng		100
47)	2-Chloronaphthalene	9.457	162	400436	39.817	ng		100
48)	2-Nitroaniline	9.545	65	132031	41.864	ng		95
49)	Acenaphthylene	9.869	152	634232	37.632	ng		100
50)	Dimethylphthalate	9.727	163	450497	39.673	ng		99
51)	2,6-Dinitrotoluene	9.780	165	95799	41.471	ng		98
52)	Acenaphthene	10.039	154	398628	40.018	ng		99
53)	3-Nitroaniline	9.963	138	6891	2.550	ng	#	88
54)	2,4-Dinitrophenol	10.051	184	55306	55.089	ng	#	65
55)	Dibenzofuran	10.210	168	554525	37.495	ng		99
56)	4-Nitrophenol	10.110	139	162828	80.702	ng		96
57)	2,4-Dinitrotoluene	10.180	165	116431	40.174	ng	#	99
58)	Fluorene	10.557	166	428198	38.577	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.333	232	112015m	38.836	ng		
60)	Diethylphthalate	10.422	149	506582	45.135	ng		100
61)	4-Chlorophenyl-phenyle...	10.545	204	209454	37.896	ng		98
62)	4-Nitroaniline	10.563	138	22748	9.823	ng		92
63)	Azobenzene	10.704	77	401256	34.302	ng		97
65)	4,6-Dinitro-2-methylph...	10.586	198	41238	30.931	ng		82
66)	n-Nitrosodiphenylamine	10.657	169	336118	34.900	ng		100
67)	4-Bromophenyl-phenylether	11.033	248	123252	37.814	ng		97
68)	Hexachlorobenzene	11.104	284	126673	37.183	ng		98
69)	Atrazine	11.227	200	90049	33.915	ng		99
70)	Pentachlorophenol	11.298	266	182738	91.211	ng		98
71)	Phenanthrene	11.516	178	580774	39.993	ng		100
72)	Anthracene	11.569	178	584315	39.452	ng		100
73)	Carbazole	11.721	167	546164	42.231	ng		99
74)	Di-n-butylphthalate	12.051	149	548715	37.497	ng		100
75)	Fluoranthene	12.704	202	630057	47.268	ng		99
78)	Pyrene	12.939	202	219163	9.998	ng		97
80)	Butylbenzylphthalate	13.568	149	295074	43.959	ng		97
81)	Benzo(a)anthracene	14.139	228	677602	39.404	ng		99
83)	Chrysene	14.174	228	615094	39.784	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.121	149	446694	43.966	ng		100
85)	Di-n-octyl phthalate	14.727	149	745738	40.493	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.180	276	348870	26.702	ng		98
88)	Benzo(b)fluoranthene	15.204	252	565057	49.920	ng		99
89)	Benzo(k)fluoranthene	15.239	252	492257	48.735	ng		100
90)	Benzo(a)pyrene	15.586	252	429835	41.215	ng		99
91)	Dibenzo(a,h)anthracene	17.198	278	285570	26.854	ng		99
92)	Benzo(g,h,i)perylene	17.645	276	277134	26.941	ng		98

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

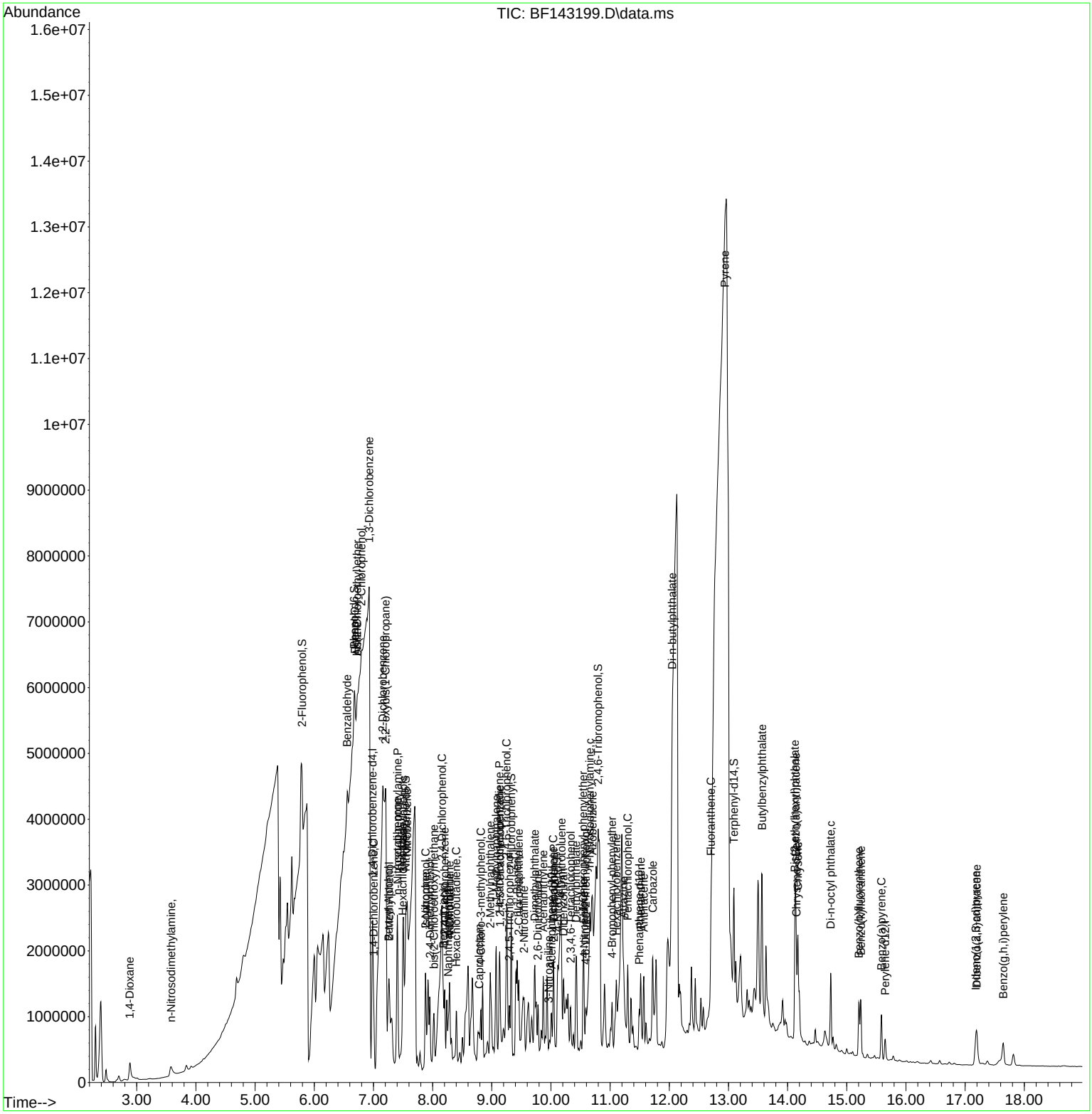
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143199.D
Acq On : 22 Jul 2025 20:20
Operator : RC/JU
Sample : Q2646-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 23 04:52:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143200.D
Acq On : 22 Jul 2025 20:49
Operator : RC/JU
Sample : Q2646-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 23 04:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	103435	20.000	ng	0.02
21) Naphthalene-d8	8.269	136	358963	20.000	ng	0.02
39) Acenaphthene-d10	10.010	164	160601	20.000	ng	0.01
64) Phenanthrene-d10	11.492	188	270710	20.000	ng	0.00
76) Chrysene-d12	14.151	240	252211	20.000	ng	0.03
86) Perylene-d12	15.651	264	152378	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	524551	80.252	ng	0.20
7) Phenol-d6	6.675	99	513323	62.394	ng	0.09
23) Nitrobenzene-d5	7.545	82	516027	71.658	ng	0.02
42) 2,4,6-Tribromophenol	10.798	330	183973	110.887	ng	0.01
45) 2-Fluorobiphenyl	9.328	172	888433	75.656	ng	0.00
79) Terphenyl-d14	13.092	244	856096	50.512	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.881	88	115793	37.439	ng	# 44
4) n-Nitrosodimethylamine	3.581	42	165712	39.982	ng	# 54
6) Aniline	6.722	93	164620	14.357	ng	# 55
8) 2-Chlorophenol	6.798	128	153843	22.454	ng	92
9) Benzaldehyde	6.557	77	133576	21.652	ng	98
10) Phenol	6.687	94	228748	25.522	ng	95
11) bis(2-Chloroethyl)ether	6.722	93	164620	23.989	ng	94
12) 1,3-Dichlorobenzene	6.934	146	242524	32.585	ng	99
13) 1,4-Dichlorobenzene	7.004	146	270486	36.087	ng	99
14) 1,2-Dichlorobenzene	7.157	146	202665	28.428	ng	99
15) Benzyl Alcohol	7.251	79	560378	89.206	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	1590555	124.945	ng	82
17) 2-Methylphenol	7.275	107	439726	76.331	ng	# 81
18) Hexachloroethane	7.498	117	94180	36.296	ng	97
19) n-Nitroso-di-n-propyla...	7.410	70	189587	35.918	ng	94
20) 3+4-Methylphenols	7.504	107	364374m	52.132	ng	
22) Acetophenone	7.404	105	359522	42.304	ng	# 96
24) Nitrobenzene	7.569	77	244395	36.402	ng	99
25) Isophorone	7.881	82	497065	39.100	ng	99
26) 2-Nitrophenol	7.881	139	132838	45.589	ng	95
27) 2,4-Dimethylphenol	7.951	122	213236	35.902	ng	98
28) bis(2-Chloroethoxy)met...	8.022	93	299334	39.272	ng	97
29) 2,4-Dichlorophenol	8.157	162	172713	34.481	ng	97
30) 1,2,4-Trichlorobenzene	8.204	180	201757	37.284	ng	99
31) Naphthalene	8.286	128	700722	39.637	ng	100
32) Benzoic acid	8.175	122	231757	66.975	ng	97
33) 4-Chloroaniline	8.286	127	90646	12.557	ng	# 35
34) Hexachlorobutadiene	8.404	225	128243	38.795	ng	98
35) Caprolactam	8.792	113	70195m	46.376	ng	
36) 4-Chloro-3-methylphenol	8.816	107	193269	35.500	ng	99
37) 2-Methylnaphthalene	8.975	142	413694	38.456	ng	99
38) 1-Methylnaphthalene	9.075	142	407705	36.804	ng	99
40) 1,2,4,5-Tetrachloroben...	9.139	216	196497	42.378	ng	99
41) Hexachlorocyclopentadiene	9.128	237	145110	48.098	ng	100
43) 2,4,6-Trichlorophenol	9.251	196	120729	37.622	ng	99
44) 2,4,5-Trichlorophenol	9.298	196	136183	42.425	ng	# 93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143200.D
Acq On : 22 Jul 2025 20:49
Operator : RC/JU
Sample : Q2646-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 23 04:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.433	154	534837	42.684	ng		99
47) 2-Chloronaphthalene	9.457	162	379988	40.985	ng		99
48) 2-Nitroaniline	9.551	65	132243	45.484	ng		98
49) Acenaphthylene	9.869	152	613481	39.484	ng		100
50) Dimethylphthalate	9.728	163	434559	41.511	ng		99
51) 2,6-Dinitrotoluene	9.780	165	95659	44.919	ng		99
52) Acenaphthene	10.045	154	383896	41.804	ng		99
53) 3-Nitroaniline	9.963	138	7585	3.045	ng	#	90
54) 2,4-Dinitrophenol	10.051	184	45245	49.636	ng		93
55) Dibenzofuran	10.216	168	551145	40.423	ng		100
56) 4-Nitrophenol	10.122	139	169940	91.363	ng		95
57) 2,4-Dinitrotoluene	10.186	165	113332	42.418	ng	#	96
58) Fluorene	10.557	166	434047	42.417	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.333	232	113718m	42.767	ng		
60) Diethylphthalate	10.422	149	504664	48.774	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	208242	40.869	ng		98
62) 4-Nitroaniline	10.563	138	26507	12.416	ng		92
63) Azobenzene	10.704	77	411429	38.152	ng		98
65) 4,6-Dinitro-2-methylph...	10.592	198	35210	27.426	ng		84
66) n-Nitrosodiphenylamine	10.663	169	342043	35.882	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	123959	38.423	ng		95
68) Hexachlorobenzene	11.104	284	129142	38.298	ng		96
69) Atrazine	11.233	200	90228	34.333	ng		99
70) Pentachlorophenol	11.304	266	189494	95.559	ng		100
71) Phenanthrene	11.516	178	609324	42.391	ng		100
72) Anthracene	11.569	178	607837	41.463	ng		100
73) Carbazole	11.722	167	582966	45.541	ng		99
74) Di-n-butylphthalate	12.051	149	578170	39.918	ng		100
75) Fluoranthene	12.710	202	672099	50.942	ng		100
78) Pyrene	12.945	202	235511	10.941	ng		98
80) Butylbenzylphthalate	13.574	149	314657	47.739	ng		99
81) Benzo(a)anthracene	14.139	228	719284	42.598	ng		100
83) Chrysene	14.180	228	616188	40.588	ng		100
84) Bis(2-ethylhexyl)phtha...	14.127	149	463985	46.508	ng		99
85) Di-n-octyl phthalate	14.733	149	673481	37.243	ng		99
87) Indeno(1,2,3-cd)pyrene	17.186	276	375905	34.985	ng		98
88) Benzo(b)fluoranthene	15.210	252	499143	53.620	ng		99
89) Benzo(k)fluoranthene	15.239	252	388170	46.729	ng		99
90) Benzo(a)pyrene	15.586	252	358088	41.751	ng		99
91) Dibenzo(a,h)anthracene	17.204	278	308156	35.236	ng		99
92) Benzo(g,h,i)perylene	17.651	276	306624	36.245	ng		99

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

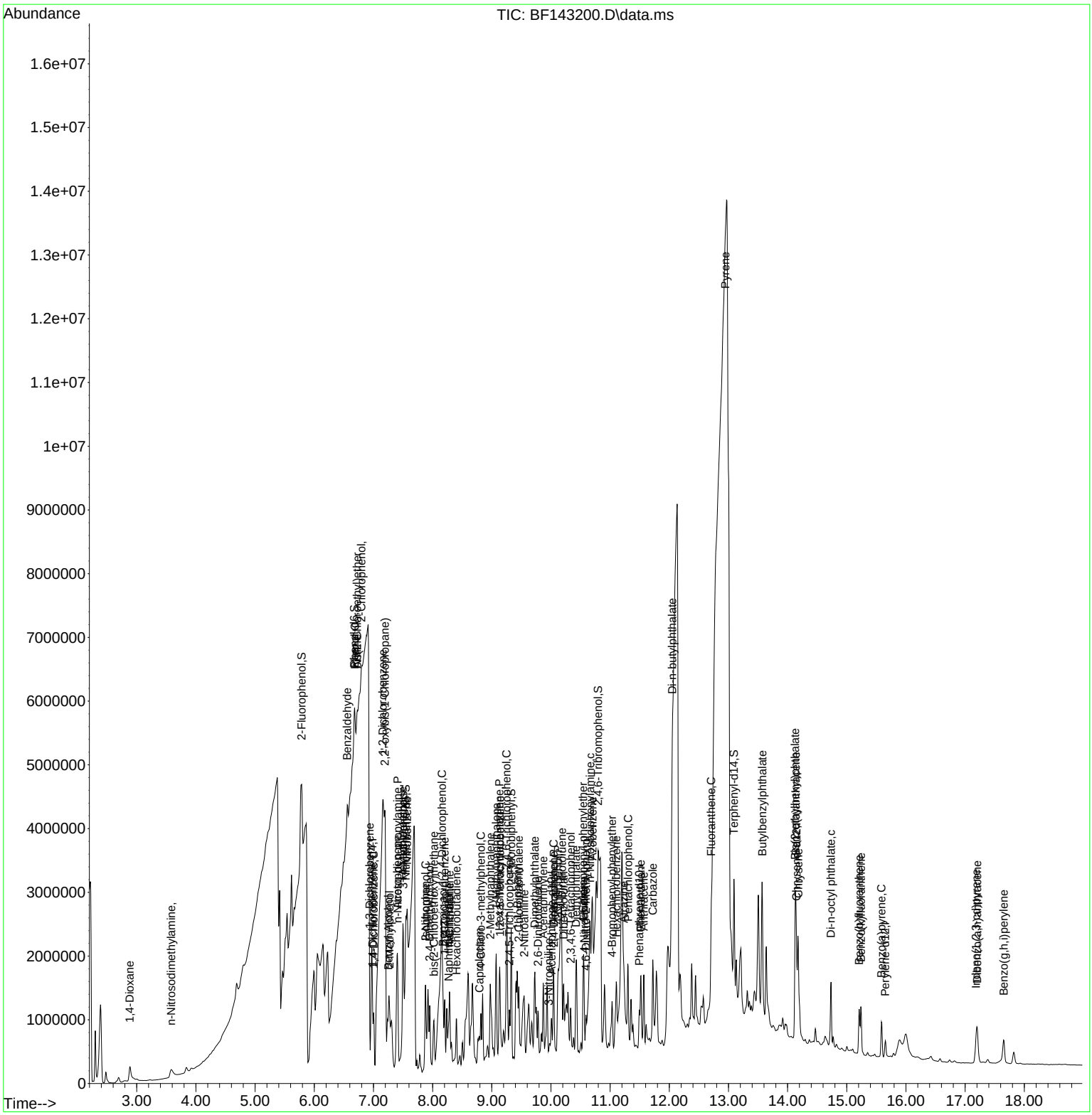
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143200.D
Acq On : 22 Jul 2025 20:49
Operator : RC/JU
Sample : Q2646-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 23 04:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



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

Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf072225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2646-03MS	BF143199.D	1,3-Dichlorobenzene	Rahul	7/23/2025 8:22:18 AM	Jagrut	7/23/2025 1:06:28 PM	Peak Integrated by Software
Q2646-03MS	BF143199.D	2,2"-oxybis(1-Chloropropane)	Rahul	7/23/2025 8:22:18 AM	Jagrut	7/23/2025 1:06:28 PM	Peak Integrated by Software
Q2646-03MS	BF143199.D	2,3,4,6-Tetrachlorophenol	Rahul	7/23/2025 8:22:18 AM	Jagrut	7/23/2025 1:06:28 PM	Peak Integrated by Software
Q2646-03MS	BF143199.D	3+4-Methylphenols	Rahul	7/23/2025 8:22:18 AM	Jagrut	7/23/2025 1:06:28 PM	Peak Integrated by Software
Q2646-03MS	BF143199.D	Caprolactam	Rahul	7/23/2025 8:22:18 AM	Jagrut	7/23/2025 1:06:28 PM	Peak Integrated by Software
Q2646-03MSD	BF143200.D	2,3,4,6-Tetrachlorophenol	Rahul	7/23/2025 8:22:22 AM	Jagrut	7/23/2025 1:06:31 PM	Peak Integrated by Software
Q2646-03MSD	BF143200.D	3+4-Methylphenols	Rahul	7/23/2025 8:22:22 AM	Jagrut	7/23/2025 1:06:31 PM	Peak Integrated by Software
Q2646-03MSD	BF143200.D	3,3"-Dichlorobenzidine	Rahul	7/23/2025 8:22:22 AM	Jagrut	7/23/2025 1:06:31 PM	Peak Integrated by Software
Q2646-03MSD	BF143200.D	Caprolactam	Rahul	7/23/2025 8:22:22 AM	Jagrut	7/23/2025 1:06:31 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF072325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168954BS	BF143213.D	Caprolactam	Rahul	7/24/2025 10:38:12 AM	Jagrut	7/24/2025 12:02:16 PM	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 # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM				
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM				
SubDirectory	BF071725	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM				
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM				
SubDirectory	BF072225	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143176.D	22 Jul 2025 07:48	RC/JU	Ok
2	SSTDCCC040	BF143177.D	22 Jul 2025 08:46	RC/JU	Ok
3	PB168929BL	BF143178.D	22 Jul 2025 09:15	RC/JU	Ok
4	PB168813BS	BF143179.D	22 Jul 2025 09:44	RC/JU	Ok,M
5	Q2635-01MS	BF143180.D	22 Jul 2025 10:26	RC/JU	Ok,M
6	Q2635-01MSD	BF143181.D	22 Jul 2025 10:55	RC/JU	Ok,M
7	Q2638-01	BF143182.D	22 Jul 2025 11:25	RC/JU	Ok,M
8	Q2638-03	BF143183.D	22 Jul 2025 11:54	RC/JU	Ok,M
9	Q2638-05	BF143184.D	22 Jul 2025 12:23	RC/JU	Ok,M
10	Q2638-07	BF143185.D	22 Jul 2025 12:52	RC/JU	ReRun
11	Q2638-09	BF143186.D	22 Jul 2025 13:21	RC/JU	Ok,M
12	SSTDCCC040	BF143187.D	22 Jul 2025 13:55	RC/JU	Ok
13	DFTPP	BF143188.D	22 Jul 2025 14:54	RC/JU	Ok
14	SSTDCCC040	BF143189.D	22 Jul 2025 15:23	RC/JU	Ok
15	PB168954BL	BF143190.D	22 Jul 2025 15:52	RC/JU	Ok
16	Q2641-02	BF143191.D	22 Jul 2025 16:26	RC/JU	Ok
17	Q2649-04	BF143192.D	22 Jul 2025 16:55	RC/JU	Ok,M
18	Q2649-08	BF143193.D	22 Jul 2025 17:25	RC/JU	Ok
19	Q2649-12	BF143194.D	22 Jul 2025 17:54	RC/JU	Ok
20	Q2649-16	BF143195.D	22 Jul 2025 18:23	RC/JU	Ok
21	Q2649-20	BF143196.D	22 Jul 2025 18:53	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 # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2649-24	BF143197.D	22 Jul 2025 19:22	RC/JU	Ok
23	Q2646-03	BF143198.D	22 Jul 2025 19:51	RC/JU	Ok
24	Q2646-03MS	BF143199.D	22 Jul 2025 20:20	RC/JU	Ok,M
25	Q2646-03MSD	BF143200.D	22 Jul 2025 20:49	RC/JU	Ok,M
26	Q2649-21	BF143201.D	22 Jul 2025 21:18	RC/JU	Ok
27	Q2649-13	BF143202.D	22 Jul 2025 21:48	RC/JU	Ok
28	Q2658-02	BF143203.D	22 Jul 2025 22:17	RC/JU	Ok
29	Q2658-01	BF143204.D	22 Jul 2025 22:46	RC/JU	Ok,M
30	Q2660-01	BF143205.D	22 Jul 2025 23:15	RC/JU	Ok
31	Q2649-17	BF143206.D	22 Jul 2025 23:43	RC/JU	Ok,M
32	Q2649-01	BF143207.D	23 Jul 2025 00:12	RC/JU	Ok,M
33	Q2660-03	BF143208.D	23 Jul 2025 00:41	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 # BF072325

Review By	Rahul	Review On	7/24/2025 10:37:52 AM				
Supervise By	Jagrut	Supervise On	7/24/2025 12:02:50 PM				
SubDirectory	BF072325	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143209.D	23 Jul 2025 13:34	RC/JU	Ok
2	SSTDCCC040	BF143210.D	23 Jul 2025 14:33	RC/JU	Ok
3	PB168926TB	BF143211.D	23 Jul 2025 15:02	RC/JU	Ok
4	PB168929BS	BF143212.D	23 Jul 2025 15:31	RC/JU	Ok,M
5	PB168954BS	BF143213.D	23 Jul 2025 16:00	RC/JU	Ok,M
6	PB168948BL	BF143214.D	23 Jul 2025 16:30	RC/JU	Ok
7	PB168948BS	BF143215.D	23 Jul 2025 16:59	RC/JU	Ok,M
8	Q2645-02	BF143216.D	23 Jul 2025 17:28	RC/JU	Ok
9	Q2649-05	BF143217.D	23 Jul 2025 17:57	RC/JU	Ok
10	Q2649-09	BF143218.D	23 Jul 2025 18:26	RC/JU	Ok
11	Q2649-09MS	BF143219.D	23 Jul 2025 18:56	RC/JU	Ok,M
12	Q2649-09MSD	BF143220.D	23 Jul 2025 19:25	RC/JU	Ok,M
13	SSTDCCC040	BF143221.D	23 Jul 2025 19:54	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 # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/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	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		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 # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	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: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/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	BF143176.D	22 Jul 2025 07:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143177.D	22 Jul 2025 08:46		RC/JU	Ok
3	PB168929BL	PB168929BL	BF143178.D	22 Jul 2025 09:15		RC/JU	Ok
4	PB168813BS	PB168813BS	BF143179.D	22 Jul 2025 09:44		RC/JU	Ok,M
5	Q2635-01MS	RT2286MS	BF143180.D	22 Jul 2025 10:26		RC/JU	Ok,M
6	Q2635-01MSD	RT2286MSD	BF143181.D	22 Jul 2025 10:55		RC/JU	Ok,M
7	Q2638-01	OU4-TS-31-071725	BF143182.D	22 Jul 2025 11:25		RC/JU	Ok,M
8	Q2638-03	OU4-TS-32-071725	BF143183.D	22 Jul 2025 11:54		RC/JU	Ok,M
9	Q2638-05	OU4-TS-33-071725	BF143184.D	22 Jul 2025 12:23		RC/JU	Ok,M
10	Q2638-07	OU4-TS-34-071725	BF143185.D	22 Jul 2025 12:52	Surrogate Fail	RC/JU	ReRun
11	Q2638-09	OU4-TS-35-071725	BF143186.D	22 Jul 2025 13:21		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143187.D	22 Jul 2025 13:55		RC/JU	Ok
13	DFTPP	DFTPP	BF143188.D	22 Jul 2025 14:54		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF143189.D	22 Jul 2025 15:23		RC/JU	Ok
15	PB168954BL	PB168954BL	BF143190.D	22 Jul 2025 15:52		RC/JU	Ok
16	Q2641-02	P001-CONCRETE001-	BF143191.D	22 Jul 2025 16:26		RC/JU	Ok
17	Q2649-04	WC-1	BF143192.D	22 Jul 2025 16:55		RC/JU	Ok,M
18	Q2649-08	WC-2	BF143193.D	22 Jul 2025 17:25		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 # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2649-12	WC-3	BF143194.D	22 Jul 2025 17:54		RC/JU	Ok
20	Q2649-16	WC-4	BF143195.D	22 Jul 2025 18:23		RC/JU	Ok
21	Q2649-20	WC-5	BF143196.D	22 Jul 2025 18:53		RC/JU	Ok
22	Q2649-24	WC-6	BF143197.D	22 Jul 2025 19:22		RC/JU	Ok
23	Q2646-03	FRAC TANK	BF143198.D	22 Jul 2025 19:51	Internal standard fail.	RC/JU	Ok
24	Q2646-03MS	FRAC TANKMS	BF143199.D	22 Jul 2025 20:20		RC/JU	Ok,M
25	Q2646-03MSD	FRAC TANKMSD	BF143200.D	22 Jul 2025 20:49		RC/JU	Ok,M
26	Q2649-21	WC-6	BF143201.D	22 Jul 2025 21:18		RC/JU	Ok
27	Q2649-13	WC-4	BF143202.D	22 Jul 2025 21:48		RC/JU	Ok
28	Q2658-02	PAD-072125-2	BF143203.D	22 Jul 2025 22:17		RC/JU	Ok
29	Q2658-01	PAD-072125-1	BF143204.D	22 Jul 2025 22:46	Internal standard fail.	RC/JU	Ok,M
30	Q2660-01	MOO-25-0205	BF143205.D	22 Jul 2025 23:15	Internal standard fail.	RC/JU	Ok
31	Q2649-17	WC-5	BF143206.D	22 Jul 2025 23:43		RC/JU	Ok,M
32	Q2649-01	WC-1	BF143207.D	23 Jul 2025 00:12		RC/JU	Ok,M
33	Q2660-03	MOO-25-0218	BF143208.D	23 Jul 2025 00:41	Internal standard fail	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 # BF072325

Review By	Rahul	Review On	7/24/2025 10:37:52 AM		
Supervise By	Jagrut	Supervise On	7/24/2025 12:02:50 PM		
SubDirectory	BF072325	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/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	BF143209.D	23 Jul 2025 13:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143210.D	23 Jul 2025 14:33		RC/JU	Ok
3	PB168926TB	PB168926TB	BF143211.D	23 Jul 2025 15:02		RC/JU	Ok
4	PB168929BS	PB168929BS	BF143212.D	23 Jul 2025 15:31		RC/JU	Ok,M
5	PB168954BS	PB168954BS	BF143213.D	23 Jul 2025 16:00		RC/JU	Ok,M
6	PB168948BL	PB168948BL	BF143214.D	23 Jul 2025 16:30		RC/JU	Ok
7	PB168948BS	PB168948BS	BF143215.D	23 Jul 2025 16:59		RC/JU	Ok,M
8	Q2645-02	RW5B-CARBON-2025(	BF143216.D	23 Jul 2025 17:28	Surrogate Fail	RC/JU	Ok
9	Q2649-05	WC-2	BF143217.D	23 Jul 2025 17:57		RC/JU	Ok
10	Q2649-09	WC-3	BF143218.D	23 Jul 2025 18:26		RC/JU	Ok
11	Q2649-09MS	WC-3MS	BF143219.D	23 Jul 2025 18:56		RC/JU	Ok,M
12	Q2649-09MSD	WC-3MSD	BF143220.D	23 Jul 2025 19:25		RC/JU	Ok,M
13	SSTDCCC040	SSTDCCC040EC	BF143221.D	23 Jul 2025 19:54		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : 115525

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
N/A	N/A	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	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. q2646-03 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 1130	JP ICP Room	SKS. RJ / LFT
	Preparation Group	Analysis Group ICP/MS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q q2646 **WorkList ID :** 190828 **Department :** TCLP Extraction **Date :** 07-18-2025 15:02:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2646-03	FRAC TANK	Water	TCLP Extraction	Cool 4 deg C	ENVI60	O11	07/18/2025	1311

Date/Time 07/18/25 15:10

Raw Sample Received by: SD WC

Raw Sample Relinquished by: SM

Date/Time 07/18/25 18:00

Raw Sample Received by: SM

Raw Sample Relinquished by: SD WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168954

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/22/2025
Matrix :	Water			**Extraction Start Time :**	09:10
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/22/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	14:10
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	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	E3954
Baked Na2SO4	N/A	EP2625
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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 to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/22/25	RS (B4-6&5)	RC/SVOC
14:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168954

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 07/22/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168919TB	PB168919TB	TCLP BNA	100	6	RUPESH	Evelyn	1			SEP-1
PB168926TB	PB168926TB	TCLP BNA	100	6	RUPESH	Evelyn	1			2
PB168954BL	PB168954BL	TCLP BNA	1000	6	RUPESH	Evelyn	1			3
PB168954BS	PB168954BS	TCLP BNA	1000	6	RUPESH	Evelyn	1			4
Q2641-02	P001-CONCRETE001-01	TCLP BNA	100	6	RUPESH	Evelyn	1	A		5
Q2646-03	FRAC TANK	TCLP BNA	100	6	RUPESH	Evelyn	1	A		6
Q2646-03MS	FRAC TANKMS	TCLP BNA	100	6	RUPESH	Evelyn	1	A		7
Q2646-03MSD	FRAC TANKMSD	TCLP BNA	100	6	RUPESH	Evelyn	1	A		8
Q2649-04	WC-1	TCLP BNA	100	6	RUPESH	Evelyn	1	A		9
Q2649-08	WC-2	TCLP BNA	100	6	RUPESH	Evelyn	1	A		10
Q2649-12	WC-3	TCLP BNA	100	6	RUPESH	Evelyn	1	A		11
Q2649-16	WC-4	TCLP BNA	100	6	RUPESH	Evelyn	1	A		12
Q2649-20	WC-5	TCLP BNA	100	6	RUPESH	Evelyn	1	A		13
Q2649-24	WC-6	TCLP BNA	100	6	RUPESH	Evelyn	1	A		14

RS 7/22

* **Extracts relinguished on the same date as received.**

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

LAB CHRONICLE

OrderID:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP BNA	8270E		07/22/25	07/22/25	

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	07/23/25
Client Sample ID:	PB168926TB	SDG No.:	Q2646
Lab Sample ID:	PB168926TB	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
PL096557.D	1	07/23/25 12:15	07/24/25 13:04	PB168984

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	17.4		30 (57) - 150 (171)	87%	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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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
PL096565.D	1	07/23/25 12:15	07/24/25 18:10	PB168984

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	13.4		30 (57) - 150 (171)	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.8		30 (61) - 150 (148)	134%	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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANKRE	SDG No.:	Q2646
Lab Sample ID:	Q2646-03RE	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
PL096670.D	1	07/23/25 12:15	07/31/25 15:30	PB168984

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	14.1		30 (57) - 150 (171)	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	36.1	*	30 (61) - 150 (148)	181%	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.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PL096237.D	PIBLK-PL096237.D	Decachlorobiphen	1	20	19.5	98		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.9	89		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	18.9	94		30 (61)	150 (148)
I.BLK-PL096551.D	PIBLK-PL096551.D	Decachlorobiphen	1	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.9	109		30 (61)	150 (148)
		Decachlorobiphen	2	20	16.9	84		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	23.3	116		30 (61)	150 (148)
PB168984BL	PB168984BL	Decachlorobiphen	1	20	17.2	86		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.8	89		30 (61)	150 (148)
		Decachlorobiphen	2	20	15.5	78		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	19.6	98		30 (61)	150 (148)
PB168984BS	PB168984BS	Decachlorobiphen	1	20	19.0	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.4	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	16.8	84		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.7	104		30 (61)	150 (148)
PB168926TB	PB168926TB	Decachlorobiphen	1	20	17.4	87		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.0	90		30 (61)	150 (148)
		Decachlorobiphen	2	20	15.7	79		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	19.2	96		30 (61)	150 (148)
Q2641-02MS	P001-CONCRETE001-01MS	Decachlorobiphen	1	20	21.0	105		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.9	105		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.1	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.8	109		30 (61)	150 (148)
Q2641-02MSD	P001-CONCRETE001-01MSD	Decachlorobiphen	1	20	20.6	103		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.6	103		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.2	96		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.4	107		30 (61)	150 (148)
Q2646-03	FRAC TANK	Decachlorobiphen	1	20	13.4	67		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	8.88	44		30 (61)	150 (148)
		Decachlorobiphen	2	20	9.95	50		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	26.8	134		30 (61)	150 (148)
I.BLK-PL096566.D	PIBLK-PL096566.D	Decachlorobiphen	1	20	21.3	106		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.5	102		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.5	112		30 (61)	150 (148)
I.BLK-PL096593.D	PIBLK-PL096593.D	Decachlorobiphen	1	20	19.2	96		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.1	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	18.3	92		30 (61)	150 (148)
I.BLK-PL096666.D	PIBLK-PL096666.D	Decachlorobiphen	1	20	23.5	117		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.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PL096666.D	PIBLK-PL096666.D	Tetrachloro-m-xyl	1	20	22.0	110		30 (61)	150 (148)
		Decachlorobiphen	2	20	25.3	127		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.8	109		30 (61)	150 (148)
Q2646-03RE	FRAC TANKRE	Decachlorobiphen	1	20	14.1	70		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	6.84	34		30 (61)	150 (148)
		Decachlorobiphen	2	20	12.0	60		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	36.1	181	*	30 (61)	150 (148)
I.BLK-PL096677.D	PIBLK-PL096677.D	Decachlorobiphen	1	20	23.8	119		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.4	107		30 (61)	150 (148)
		Decachlorobiphen	2	20	22.0	110		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.2	106		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.: Q2646 **Analytical Method:** 8081B

Client: Environmental Restoration, LLC **DataFile :** PL096560.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2641-02MS (Column 1)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	gamma-BHC (Lindane)	5	0	5.60	ug/L	112				30 (60)	150 (152)	
	Heptachlor	5	0	5.50	ug/L	110				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.80	ug/L	116				30 (77)	150 (143)	
	Endrin	5	0	5.40	ug/L	108				30 (76)	150 (144)	
	Methoxychlor	5	0.15	4.40	ug/L	87				30 (70)	150 (142)	
Lab Sample ID:	**Q2641-02MS (Column 2)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	gamma-BHC (Lindane)	5	0	5.70	ug/L	114				30 (60)	150 (152)	
	Heptachlor	5	0	5.50	ug/L	110				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.70	ug/L	114				30 (77)	150 (143)	
	Endrin	5	0	5.30	ug/L	106				30 (76)	150 (144)	
	Methoxychlor	5	0.14	4.50	ug/L	90				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.: Q2646 **Analytical Method:** 8081B

Client: Environmental Restoration, LLC **DataFile :** PL096561.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: **Q2641-02MSD** **Client Sample ID:** **P001-CONCRETE001-01M** **(Column 1)**											
gamma-BHC (Lindane)	5	0	5.60	ug/L	112		0		30 (60)	150 (152)	20 (20)
Heptachlor	5	0	5.40	ug/L	108		2		30 (56)	150 (147)	20 (20)
Heptachlor epoxide	5	0	5.70	ug/L	114		2		30 (77)	150 (143)	20 (20)
Endrin	5	0	5.30	ug/L	106		2		30 (76)	150 (144)	20 (20)
Methoxychlor	5	0.15	4.40	ug/L	87		0		30 (70)	150 (142)	20 (20)
Lab Sample ID: **Q2641-02MSD** **Client Sample ID:** **P001-CONCRETE001-01M** **(Column 2)**											
gamma-BHC (Lindane)	5	0	5.60	ug/L	112		2		30 (60)	150 (152)	20 (20)
Heptachlor	5	0	5.40	ug/L	108		2		30 (56)	150 (147)	20 (20)
Heptachlor epoxide	5	0	5.60	ug/L	112		2		30 (77)	150 (143)	20 (20)
Endrin	5	0	5.20	ug/L	104		2		30 (76)	150 (144)	20 (20)
Methoxychlor	5	0.14	4.50	ug/L	90		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.: Q2646 **Analytical Method:** 8081B

Client: Environmental Restoration, LLC **Datafile :** PL096555.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168984BS (Column 1)	gamma-BHC (Lindane)	0.5	0.56	ug/L	113				40 (82)	140 (129)	
	Heptachlor	0.5	0.53	ug/L	107				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.61	ug/L	122				40 (81)	140 (124)	
	Endrin	0.5	0.46	ug/L	93				40 (81)	140 (128)	
	Methoxychlor	0.5	0.40	ug/L	79				40 (78)	140 (108)	
PB168984BS (Column 2)	gamma-BHC (Lindane)	0.5	0.60	ug/L	120				40 (82)	140 (129)	
	Heptachlor	0.5	0.55	ug/L	110				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.59	ug/L	118				40 (81)	140 (124)	
	Endrin	0.5	0.48	ug/L	95				40 (81)	140 (128)	
	Methoxychlor	0.5	0.40	ug/L	79				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168984BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab Sample ID: PB168984BL | Lab File ID: PL096554.D

Matrix: (soil/water) water | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/23/2025

Date Analyzed (1): 07/24/2025 | Date Analyzed (2): 07/24/2025

Time Analyzed (1): 12:24 | Time Analyzed (2): 12:24

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
PB168984BS	PB168984BS	PL096555.D	07/24/2025	07/24/2025
PB168926TB	PB168926TB	PL096557.D	07/24/2025	07/24/2025
P001-CONCRETE001-01MS	Q2641-02MS	PL096560.D	07/24/2025	07/24/2025
P001-CONCRETE001-01MSD	Q2641-02MSD	PL096561.D	07/24/2025	07/24/2025
FRAC TANK	Q2646-03	PL096565.D	07/24/2025	07/24/2025

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168984BL	SDG No.:	Q2646
Lab Sample ID:	PB168984BL	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
PL096554.D	1	07/23/25 12:15	07/24/25 12:24	PB168984

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	17.2		30 (57) - 150 (171)	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		30 (61) - 150 (148)	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:	Environmental Restoration, LLC	Date Collected:	07/07/25
Project:	North Arlington, NJ	Date Received:	07/07/25
Client Sample ID:	PIBLK-PL096237.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096237.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
PL096237.D	1		07/07/25	PL070725

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)	100%	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:	Environmental Restoration, LLC	Date Collected:	07/24/25
Project:	North Arlington, NJ	Date Received:	07/24/25
Client Sample ID:	PIBLK-PL096551.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096551.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
PL096551.D	1		07/24/25	pl072425

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)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		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

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/24/25
Project:	North Arlington, NJ	Date Received:	07/24/25
Client Sample ID:	PIBLK-PL096566.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096566.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
PL096566.D	1		07/24/25	pl072425

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	21.3		30 (57) - 150 (171)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		30 (61) - 150 (148)	112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/28/25
Project:	North Arlington, NJ	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096593.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
PL096593.D	1		07/28/25	pl072825

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	19.2		30 (57) - 150 (171)	96%	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

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/31/25
Project:	North Arlington, NJ	Date Received:	07/31/25
Client Sample ID:	PIBLK-PL096666.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096666.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
PL096666.D	1		07/31/25	pl073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.3		30 (57) - 150 (171)	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		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:	Environmental Restoration, LLC	Date Collected:	07/31/25
Project:	North Arlington, NJ	Date Received:	07/31/25
Client Sample ID:	PIBLK-PL096677.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PL096677.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
PL096677.D	1		07/31/25	pl073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		30 (57) - 150 (171)	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (61) - 150 (148)	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168984BS	SDG No.:	Q2646
Lab Sample ID:	PB168984BS	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
PL096555.D	1	07/23/25 12:15	07/24/25 12:37	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.60		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.55		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.61		0.0096	0.050	ug/L
72-20-8	Endrin	0.48		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.40		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	19.0		30 (57) - 150 (171)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (61) - 150 (148)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/16/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MS	SDG No.:	Q2646
Lab Sample ID:	Q2641-02MS	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
PL096560.D	1	07/23/25 12:15	07/24/25 17:02	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.70		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.40		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	21.0		30 (57) - 150 (171)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		30 (61) - 150 (148)	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:	Environmental Restoration, LLC	Date Collected:	07/16/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MSD	SDG No.:	Q2646
Lab Sample ID:	Q2641-02MSD	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
PL096561.D	1	07/23/25 12:15	07/24/25 17:15	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.60		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.70		0.096	0.50	ug/L
72-20-8	Endrin	5.30		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	20.6		30 (57) - 150 (171)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (61) - 150 (148)	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096240.D RT 075 = PL096241.D
RT 050 = PL096242.D RT 025 = PL096243.D RT 005 = PL096244.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
Endrin	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
gamma-BHC (Lindane)	4.31	4.31	4.31	4.31	4.31	4.31	4.21	4.41
Heptachlor	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Methoxychlor	7.46	7.47	7.46	7.46	7.47	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096240.D RT 075 = PL096241.D
RT 050 = PL096242.D RT 025 = PL096243.D RT 005 = PL096244.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Endrin	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
gamma-BHC (Lindane)	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Heptachlor	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Heptachlor epoxide	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Methoxychlor	6.69	6.69	6.68	6.68	6.69	6.68	6.58	6.78
Tetrachloro-m-xylene	2.83	2.83	2.83	2.83	2.83	2.83	2.73	2.93

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Calibration Date(s):** 07/07/2025 07/07/2025

Calibration Times: 10:53 11:49

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL096240.D **CF 075 =** PL096241.D

CF 050 = PL096242.D **CF 025 =** PL096243.D **CF 005 =** PL096244.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2734760000	2660070000	2729730000	2840050000	3100690000	2813060000	6
Endrin	3278570000	3096260000	3152290000	3035270000	2988660000	3110210000	4
gamma-BHC (Lindane)	5277490000	4937170000	5003630000	4872450000	4807500000	4979650000	4
Heptachlor	4644220000	4480710000	4500180000	4479130000	4801850000	4581220000	3
Heptachlor epoxide	4361240000	4217620000	4223310000	4173120000	3770510000	4149160000	5
Methoxychlor	1520130000	1498290000	1535260000	1580890000	1742410000	1575400000	6
Tetrachloro-m-xylene	3687130000	3500570000	3606810000	3645250000	3805110000	3648970000	3

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Calibration Date(s):** 07/07/2025 07/07/2025

Calibration Times: 10:53 11:49

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL096240.D **CF 075 =** PL096241.D

CF 050 = PL096242.D **CF 025 =** PL096243.D **CF 005 =** PL096244.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4787910000	4666610000	4872180000	5085100000	5520680000	4986500000	7
Endrin	6179120000	5963060000	6145890000	6105230000	6089210000	6096500000	1
gamma-BHC (Lindane)	8140460000	7776520000	7961280000	7854920000	7646170000	7875870000	2
Heptachlor	7661840000	7400290000	7666040000	7667210000	7643400000	7607760000	2
Heptachlor epoxide	6588350000	6451450000	6691850000	6724070000	6968780000	6684900000	3
Methoxychlor	2949250000	2893130000	3027760000	3113420000	3205310000	3037770000	4
Tetrachloro-m-xylene	5771200000	5549810000	5746090000	5799260000	5989730000	5771220000	3

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Date(s) Analyzed:** 07/07/2025 07/07/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.69	4.59	4.79	177410000
		2	5.22	5.12	5.32	190569000
		3	5.92	5.82	6.02	738441000
		4	6.00	5.90	6.10	895986000
		5	6.84	6.74	6.94	143848000
Toxaphene	500	1	6.22	6.12	6.32	30025500
		2	6.61	6.51	6.71	26119300
		3	7.03	6.93	7.13	120095000
		4	7.12	7.02	7.22	85971000
		5	7.90	7.80	8.00	61804300

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Date(s) Analyzed:** 07/07/2025 07/07/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.84	3.74	3.94	235477000
		2	4.42	4.32	4.52	272171000
		3	5.06	4.96	5.16	797275000
		4	5.12	5.02	5.22	725774000
		5	6.01	5.91	6.11	282958000
Toxaphene	500	1	5.08	4.98	5.18	36707400
		2	5.76	5.66	5.86	51848200
		3	6.04	5.94	6.14	51417500
		4	6.68	6.58	6.78	166414000
		5	7.12	7.02	7.22	101419000

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096596.D RT 075 = PL096597.D
RT 050 = PL096598.D RT 025 = PL096599.D RT 005 = PL096600.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
Endrin	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
gamma-BHC (Lindane)	4.31	4.31	4.31	4.31	4.31	4.31	4.21	4.41
Heptachlor	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Heptachlor epoxide	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Methoxychlor	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.53	3.53	3.43	3.63

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL096596.D RT 075 = PL096597.D
RT 050 = PL096598.D RT 025 = PL096599.D RT 005 = PL096600.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Endrin	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
gamma-BHC (Lindane)	3.67	3.67	3.67	3.67	3.66	3.66	3.56	3.76
Heptachlor	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Heptachlor epoxide	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Methoxychlor	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Tetrachloro-m-xylene	2.83	2.83	2.83	2.83	2.83	2.83	2.73	2.93

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Calibration Date(s):** 07/28/2025 07/28/2025

Calibration Times: 16:52 17:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL096596.D **CF 075 =** PL096597.D

CF 050 = PL096598.D **CF 025 =** PL096599.D **CF 005 =** PL096600.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2289370000	2250980000	2316430000	2450150000	2616360000	2384660000	6
Endrin	3129990000	2990370000	2986700000	3066080000	2960790000	3026790000	2
gamma-BHC (Lindane)	4576650000	4410990000	4390520000	4378210000	4360850000	4423440000	2
Heptachlor	4215340000	4096230000	4129500000	4154230000	4183150000	4155690000	1
Heptachlor epoxide	3888140000	3791890000	3847180000	3911860000	3843640000	3856540000	1
Methoxychlor	1449590000	1444460000	1478010000	1507550000	1462160000	1468350000	2
Tetrachloro-m-xylene	3176500000	3106160000	3136600000	3226680000	3257980000	3180780000	2

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Calibration Date(s):** 07/28/2025 07/28/2025

Calibration Times: 16:52 17:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL096596.D **CF 075 =** PL096597.D

CF 050 = PL096598.D **CF 025 =** PL096599.D **CF 005 =** PL096600.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4108230000	4098750000	4223500000	4429960000	4831160000	4338320000	7
Endrin	5415430000	5344790000	5376200000	5344400000	5549010000	5405970000	2
gamma-BHC (Lindane)	6730030000	6610730000	6634310000	6589530000	6452200000	6603360000	2
Heptachlor	6694450000	6605950000	6658580000	6695280000	6655490000	6661950000	1
Heptachlor epoxide	5706360000	5635230000	5698940000	5730960000	5785230000	5711340000	1
Methoxychlor	2677460000	2673930000	2731560000	2788840000	2830690000	2740500000	3
Tetrachloro-m-xylene	4740810000	4674260000	4731000000	4815490000	4927290000	4777770000	2

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.69	4.59	4.79	161999000
		2	5.21	5.11	5.31	166820000
		3	5.92	5.82	6.02	653028000
		4	6.00	5.90	6.10	807063000
		5	6.84	6.74	6.94	127993000
Toxaphene	500	1	6.21	6.11	6.31	29153500
		2	6.61	6.51	6.71	24445000
		3	7.02	6.92	7.12	110273000
		4	7.11	7.01	7.21	81046400
		5	7.89	7.79	7.99	57873100

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.84	3.74	3.94	200134000
		2	4.42	4.32	4.52	230006000
		3	5.05	4.95	5.15	672187000
		4	5.12	5.02	5.22	601242000
		5	6.01	5.91	6.11	244798000
Toxaphene	500	1	5.07	4.97	5.17	34047600
		2	5.76	5.66	5.86	44078700
		3	6.04	5.94	6.14	44632800
		4	6.67	6.57	6.77	147063000
		5	7.11	7.01	7.21	92006100

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 10:53 11:49

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endrin	6.54	6.55	6.45	6.65	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 10:53 11:49

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096553.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.017	8.920	9.120	54.750	50.000	9.5
Endrin	6.543	6.445	6.645	52.690	50.000	5.4
gamma-BHC (Lindane)	4.311	4.213	4.413	57.100	50.000	14.2
Heptachlor	4.903	4.806	5.006	54.190	50.000	8.4
Heptachlor epoxide	5.662	5.565	5.765	57.860	50.000	15.7
Methoxychlor	7.463	7.364	7.564	57.890	50.000	15.8
Tetrachloro-m-xylene	3.535	3.438	3.638	55.150	50.000	10.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096553.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	47.090	50.000	-5.8
Endrin	5.709	5.612	5.812	56.050	50.000	12.1
gamma-BHC (Lindane)	3.664	3.567	3.767	57.790	50.000	15.6
Heptachlor	4.013	3.917	4.117	55.010	50.000	10.0
Heptachlor epoxide	4.798	4.702	4.902	56.250	50.000	12.5
Methoxychlor	6.681	6.584	6.784	54.670	50.000	9.3
Tetrachloro-m-xylene	2.827	2.729	2.929	57.210	50.000	14.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 18:51 **Initial Calibration Time(s):** 10:53 11:49

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endrin	6.54	6.55	6.45	6.65	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 18:51 **Initial Calibration Time(s):** 10:53 11:49

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.00
Heptachlor	4.02	4.02	3.92	4.12	0.01
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096568.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.016	8.920	9.120	57.800	50.000	15.6
Endrin	6.543	6.445	6.645	57.090	50.000	14.2
gamma-BHC (Lindane)	4.312	4.213	4.413	56.850	50.000	13.7
Heptachlor	4.903	4.806	5.006	57.150	50.000	14.3
Heptachlor epoxide	5.663	5.565	5.765	57.210	50.000	14.4
Methoxychlor	7.461	7.364	7.564	59.290	50.000	18.6
Tetrachloro-m-xylene	3.536	3.438	3.638	56.140	50.000	12.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096568.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	38.640	50.000	-22.7
Endrin	5.710	5.612	5.812	54.160	50.000	8.3
gamma-BHC (Lindane)	3.666	3.567	3.767	58.700	50.000	17.4
Heptachlor	4.015	3.917	4.117	56.670	50.000	13.3
Heptachlor epoxide	4.800	4.702	4.902	55.590	50.000	11.2
Methoxychlor	6.682	6.584	6.784	59.020	50.000	18.0
Tetrachloro-m-xylene	2.829	2.729	2.929	58.000	50.000	16.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 16:52 17:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endrin	6.54	6.54	6.44	6.64	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 16:52 17:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/31/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096667.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.015	8.916	9.116	55.130	50.000	10.3
Endrin	6.542	6.442	6.642	52.120	50.000	4.2
gamma-BHC (Lindane)	4.310	4.210	4.410	53.830	50.000	7.7
Heptachlor	4.902	4.803	5.003	54.410	50.000	8.8
Heptachlor epoxide	5.662	5.562	5.762	55.110	50.000	10.2
Methoxychlor	7.461	7.362	7.562	50.160	50.000	0.3
Tetrachloro-m-xylene	3.535	3.435	3.635	53.970	50.000	7.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/31/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096667.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.992	7.892	8.092	58.200	50.000	16.4
Endrin	5.709	5.609	5.809	52.210	50.000	4.4
gamma-BHC (Lindane)	3.665	3.565	3.765	54.890	50.000	9.8
Heptachlor	4.014	3.914	4.114	53.610	50.000	7.2
Heptachlor epoxide	4.799	4.699	4.899	54.860	50.000	9.7
Methoxychlor	6.681	6.581	6.781	51.330	50.000	2.7
Tetrachloro-m-xylene	2.827	2.728	2.928	54.460	50.000	8.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 16:52 17:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.01	9.02	8.92	9.12	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endrin	6.54	6.54	6.44	6.64	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 16:52 17:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/31/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096678.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.014	8.916	9.116	56.240	50.000	12.5
Endrin	6.542	6.442	6.642	50.770	50.000	1.5
gamma-BHC (Lindane)	4.310	4.210	4.410	53.420	50.000	6.8
Heptachlor	4.902	4.803	5.003	53.720	50.000	7.4
Heptachlor epoxide	5.661	5.562	5.762	54.510	50.000	9.0
Methoxychlor	7.461	7.362	7.562	48.560	50.000	-2.9
Tetrachloro-m-xylene	3.534	3.435	3.635	53.530	50.000	7.1

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/31/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096678.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.992	7.892	8.092	52.490	50.000	5.0
Endrin	5.709	5.609	5.809	49.600	50.000	-0.8
gamma-BHC (Lindane)	3.665	3.565	3.765	53.920	50.000	7.8
Heptachlor	4.014	3.914	4.114	51.970	50.000	3.9
Heptachlor epoxide	4.799	4.699	4.899	53.430	50.000	6.9
Methoxychlor	6.680	6.581	6.781	46.140	50.000	-7.7
Tetrachloro-m-xylene	2.828	2.728	2.928	53.740	50.000	7.5

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096238.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.020	8.920	9.120	21.820	20.000	9.1
Tetrachloro-m-xylene	3.537	3.490	3.590	20.640	20.000	3.2
alpha-BHC	3.985	3.930	4.040	10.150	10.000	1.5
beta-BHC	4.500	4.450	4.550	10.650	10.000	6.5
gamma-BHC (Lindane)	4.313	4.260	4.360	10.640	10.000	6.4
Endrin	6.546	6.480	6.620	55.200	50.000	10.4
4,4'-DDT	6.992	6.920	7.060	106.050	100.000	6.1
Methoxychlor	7.465	7.390	7.540	251.880	250.000	0.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096238.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.996	7.900	8.100	21.970	20.000	9.9
Tetrachloro-m-xylene	2.829	2.780	2.880	21.010	20.000	5.1
alpha-BHC	3.335	3.280	3.390	10.410	10.000	4.1
beta-BHC	3.963	3.910	4.010	10.960	10.000	9.6
gamma-BHC (Lindane)	3.667	3.620	3.720	10.560	10.000	5.6
Endrin	5.713	5.640	5.780	55.380	50.000	10.8
4,4'-DDT	6.113	6.040	6.180	113.720	100.000	13.7
Methoxychlor	6.685	6.610	6.760	248.840	250.000	-0.5

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096552.D **Date Analyzed:** 07/24/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.013	8.910	9.110	19.760	20.000	-1.2
Tetrachloro-m-xylene	3.534	3.480	3.580	21.860	20.000	9.3
alpha-BHC	3.982	3.930	4.030	10.780	10.000	7.8
beta-BHC	4.496	4.450	4.550	11.640	10.000	16.4
gamma-BHC (Lindane)	4.309	4.260	4.360	11.060	10.000	10.6
Endrin	6.541	6.470	6.610	49.940	50.000	-0.1
4,4'-DDT	6.988	6.920	7.060	84.700	100.000	-15.3
Methoxychlor	7.461	7.390	7.530	201.090	250.000	-19.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096552.D **Date Analyzed:** 07/24/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.990	7.890	8.090	16.980	20.000	-15.1
Tetrachloro-m-xylene	2.827	2.780	2.880	22.440	20.000	12.2
alpha-BHC	3.332	3.280	3.380	11.170	10.000	11.7
beta-BHC	3.960	3.910	4.010	11.760	10.000	17.6
gamma-BHC (Lindane)	3.664	3.610	3.710	11.230	10.000	12.3
Endrin	5.707	5.640	5.780	51.550	50.000	3.1
4,4'-DDT	6.107	6.040	6.180	88.230	100.000	-11.8
Methoxychlor	6.680	6.610	6.750	190.350	250.000	-23.9

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.017	8.920	9.120	21.270	20.000	6.4
Tetrachloro-m-xylene	3.535	3.480	3.590	20.960	20.000	4.8
alpha-BHC	3.983	3.930	4.030	10.440	10.000	4.4
beta-BHC	4.498	4.450	4.550	10.520	10.000	5.2
gamma-BHC (Lindane)	4.311	4.260	4.360	10.550	10.000	5.5
Endrin	6.543	6.470	6.610	54.020	50.000	8.0
4,4'-DDT	6.990	6.920	7.060	109.500	100.000	9.5
Methoxychlor	7.463	7.390	7.530	267.200	250.000	6.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.992	7.890	8.090	20.870	20.000	4.4
Tetrachloro-m-xylene	2.828	2.780	2.880	20.780	20.000	3.9
alpha-BHC	3.333	3.280	3.380	10.270	10.000	2.7
beta-BHC	3.962	3.910	4.010	10.840	10.000	8.4
gamma-BHC (Lindane)	3.666	3.620	3.720	10.440	10.000	4.4
Endrin	5.710	5.640	5.780	53.630	50.000	7.3
4,4'-DDT	6.109	6.040	6.180	111.210	100.000	11.2
Methoxychlor	6.682	6.610	6.750	253.290	250.000	1.3

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096656.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.014	8.910	9.110	25.270	20.000	26.4
Tetrachloro-m-xylene	3.534	3.480	3.580	23.830	20.000	19.2
alpha-BHC	3.981	3.930	4.030	11.400	10.000	14.0
beta-BHC	4.496	4.450	4.550	12.010	10.000	20.1
gamma-BHC (Lindane)	4.310	4.260	4.360	11.710	10.000	17.1
Endrin	6.541	6.470	6.610	61.530	50.000	23.1
4,4'-DDT	6.988	6.920	7.060	115.900	100.000	15.9
Methoxychlor	7.461	7.390	7.530	276.910	250.000	10.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096656.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.991	7.890	8.090	26.410	20.000	32.1
Tetrachloro-m-xylene	2.827	2.780	2.880	23.830	20.000	19.2
alpha-BHC	3.332	3.280	3.380	11.660	10.000	16.6
beta-BHC	3.960	3.910	4.010	12.620	10.000	26.2
gamma-BHC (Lindane)	3.664	3.610	3.710	11.890	10.000	18.9
Endrin	5.709	5.640	5.780	63.280	50.000	26.6
4,4'-DDT	6.108	6.040	6.180	116.940	100.000	16.9
Methoxychlor	6.680	6.610	6.750	271.530	250.000	8.6

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/07/2025 07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	10:12	PL096237.D	9.02	3.54
PEM	PEM	07/07/2025	10:26	PL096238.D	9.02	3.54
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	9.02	3.54
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	9.02	3.54
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	9.02	3.54
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	9.02	3.54
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	9.02	3.54
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	9.02	3.54
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	9.02	3.54
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	9.02	3.54
I.BLK	I.BLK	07/24/2025	10:42	PL096551.D	9.02	3.53
PEM	PEM	07/24/2025	10:56	PL096552.D	9.01	3.53
PSTDCCC050	PSTDCCC050	07/24/2025	11:28	PL096553.D	9.02	3.54
PB168984BL	PB168984BL	07/24/2025	12:24	PL096554.D	9.02	3.53
PB168984BS	PB168984BS	07/24/2025	12:37	PL096555.D	9.02	3.54
PB168926TB	PB168926TB	07/24/2025	13:04	PL096557.D	9.02	3.54
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	17:02	PL096560.D	9.02	3.54
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	17:15	PL096561.D	9.02	3.54
FRAC TANK	Q2646-03	07/24/2025	18:10	PL096565.D	9.02	3.54
I.BLK	I.BLK	07/24/2025	18:23	PL096566.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/24/2025	18:51	PL096568.D	9.02	3.54
I.BLK	I.BLK	07/28/2025	16:11	PL096593.D	9.02	3.54
PEM	PEM	07/28/2025	16:25	PL096594.D	9.02	3.54
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	9.02	3.54
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	9.02	3.54
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	9.02	3.54
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	9.02	3.54
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	9.02	3.54
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	9.02	3.53
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	9.02	3.54
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	9.02	3.54
PEM	PEM	07/31/2025	09:41	PL096656.D	9.01	3.53
I.BLK	I.BLK	07/31/2025	14:35	PL096666.D	9.02	3.53
PSTDCCC050	PSTDCCC050	07/31/2025	14:49	PL096667.D	9.02	3.54
FRAC TANKRE	Q2646-03RE	07/31/2025	15:30	PL096670.D	9.01	3.53
I.BLK	I.BLK	07/31/2025	17:05	PL096677.D	9.01	3.53
PSTDCCC050	PSTDCCC050	07/31/2025	17:19	PL096678.D	9.01	3.53

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/07/2025 07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	10:12	PL096237.D	8.00	2.83
PEM	PEM	07/07/2025	10:26	PL096238.D	8.00	2.83
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	8.00	2.83
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	8.00	2.83
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	8.00	2.83
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	8.00	2.83
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	8.00	2.83
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	8.00	2.83
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	8.00	2.83
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	8.00	2.83
I.BLK	I.BLK	07/24/2025	10:42	PL096551.D	7.99	2.83
PEM	PEM	07/24/2025	10:56	PL096552.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/24/2025	11:28	PL096553.D	7.99	2.83
PB168984BL	PB168984BL	07/24/2025	12:24	PL096554.D	7.99	2.82
PB168984BS	PB168984BS	07/24/2025	12:37	PL096555.D	7.99	2.83
PB168926TB	PB168926TB	07/24/2025	13:04	PL096557.D	7.99	2.83
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	17:02	PL096560.D	7.99	2.83
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	17:15	PL096561.D	7.99	2.83
FRAC TANK	Q2646-03	07/24/2025	18:10	PL096565.D	7.99	2.83
I.BLK	I.BLK	07/24/2025	18:23	PL096566.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/24/2025	18:51	PL096568.D	7.99	2.83
I.BLK	I.BLK	07/28/2025	16:11	PL096593.D	7.99	2.83
PEM	PEM	07/28/2025	16:25	PL096594.D	7.99	2.83
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	7.99	2.83
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	7.99	2.83
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	7.99	2.83
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	7.99	2.83
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	7.99	2.83
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	7.99	2.83
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	7.99	2.83
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	7.99	2.83
PEM	PEM	07/31/2025	09:41	PL096656.D	7.99	2.83
I.BLK	I.BLK	07/31/2025	14:35	PL096666.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/31/2025	14:49	PL096667.D	7.99	2.83
FRAC TANKRE	Q2646-03RE	07/31/2025	15:30	PL096670.D	7.99	2.83
I.BLK	I.BLK	07/31/2025	17:05	PL096677.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/31/2025	17:19	PL096678.D	7.99	2.83

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MS

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Lab Sample ID: Q2641-02MS **Date(s) Analyzed:** 07/24/2025 07/24/2025

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	7.46	7.41	7.51	4.40	2.2
	2	6.68	6.63	6.73	4.50	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.60	1.8
	2	3.67	3.62	3.72	5.70	
Heptachlor	1	4.90	4.85	4.95	5.50	0
	2	4.01	3.96	4.06	5.50	
Heptachlor epoxide	1	5.66	5.61	5.71	5.80	1.7
	2	4.80	4.75	4.85	5.70	
Endrin	1	6.54	6.49	6.59	5.40	1.9
	2	5.71	5.66	5.76	5.30	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MSD

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Lab Sample ID: Q2641-02MSD **Date(s) Analyzed:** 07/24/2025 07/24/2025

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	6.54	6.49	6.59	5.30	1.9
	2	5.71	5.66	5.76	5.20	
Methoxychlor	1	7.46	7.41	7.51	4.40	2.2
	2	6.68	6.63	6.73	4.50	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.60	0
	2	3.67	3.62	3.72	5.60	
Heptachlor	1	4.90	4.85	4.95	5.40	0
	2	4.02	3.97	4.07	5.40	
Heptachlor epoxide	1	5.66	5.61	5.71	5.70	1.8
	2	4.80	4.75	4.85	5.60	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168984BS

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Lab Sample ID: PB168984BS **Date(s) Analyzed:** 07/24/2025 07/24/2025

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	7.46	7.41	7.51	0.40	0.1
	2	6.68	6.63	6.73	0.40	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	0.56	6.2
	2	3.67	3.62	3.72	0.60	
Heptachlor	1	4.90	4.85	4.95	0.53	3.2
	2	4.01	3.96	4.06	0.55	
Heptachlor epoxide	1	5.66	5.61	5.71	0.61	3.3
	2	4.80	4.75	4.85	0.59	
Endrin	1	6.54	6.49	6.59	0.46	2.5
	2	5.71	5.66	5.76	0.48	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 13:04
Operator : AR\AJ
Sample : PB168926TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168926TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.829	65717006	111.0E6	18.010	19.233
28)	SA Decachlor...	9.016	7.992	48936052	78410214	17.396	15.725
	Target Compounds						

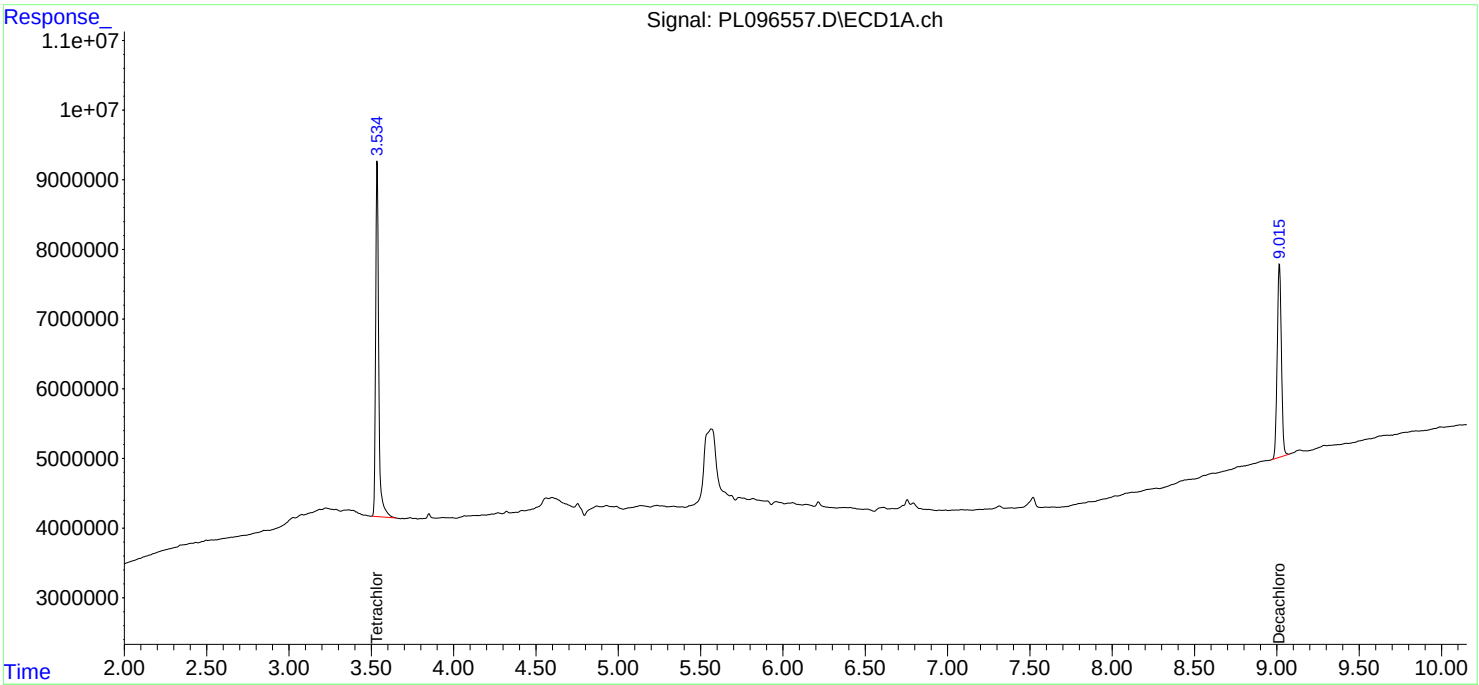
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

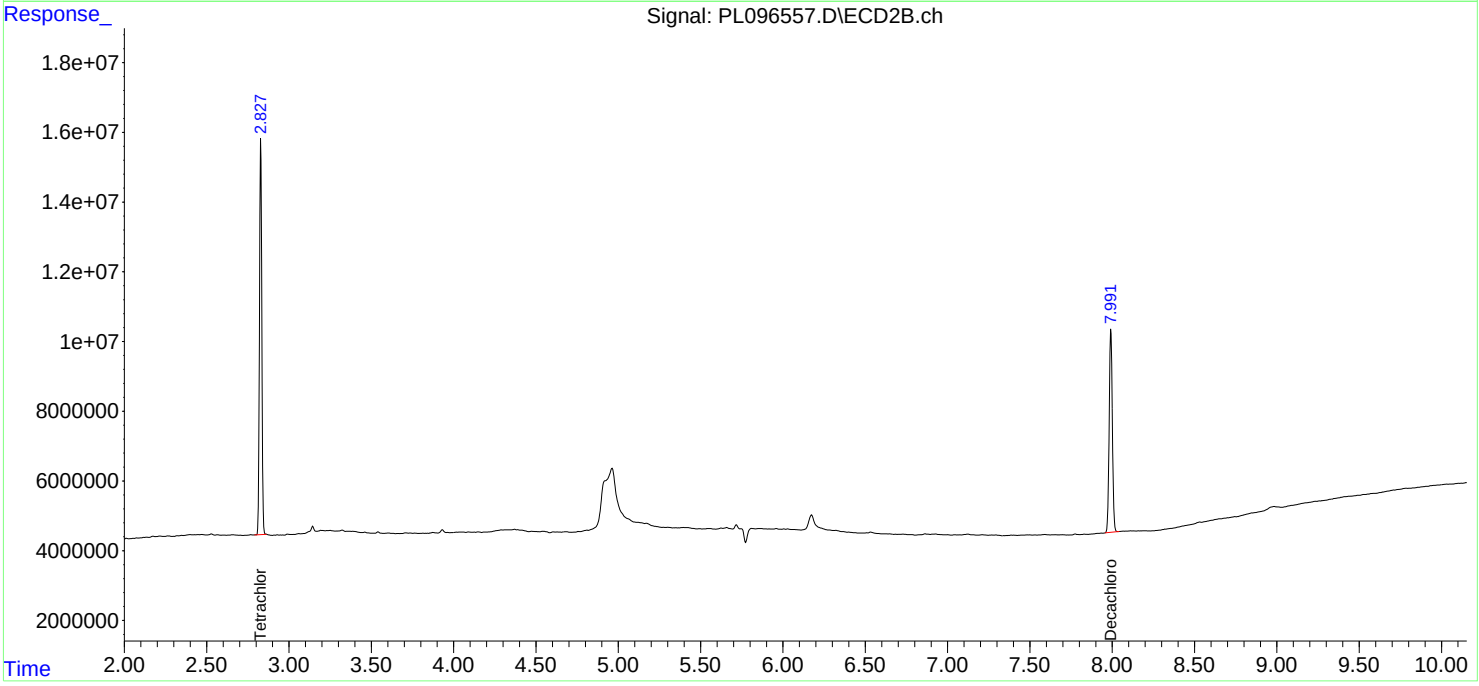
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 13:04
Operator : AR\AJ
Sample : PB168926TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

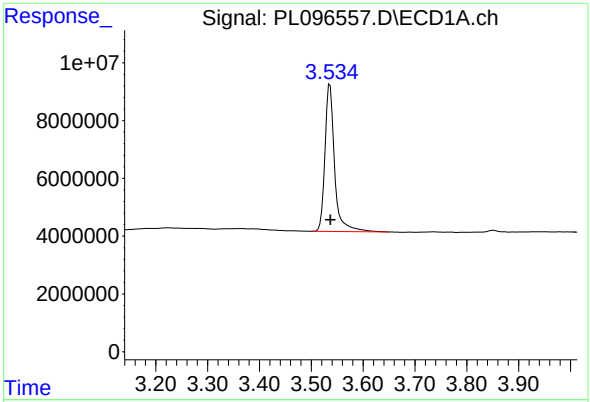
Instrument :
ECD_L
ClientSampleId :
PB168926TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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



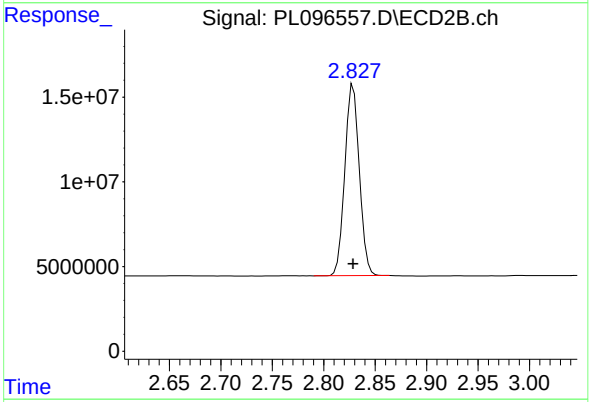




#1 Tetrachloro-m-xylene

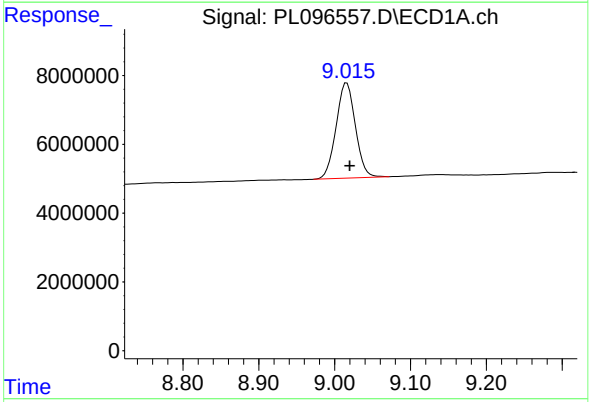
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 65717006
Conc: 18.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168926TB



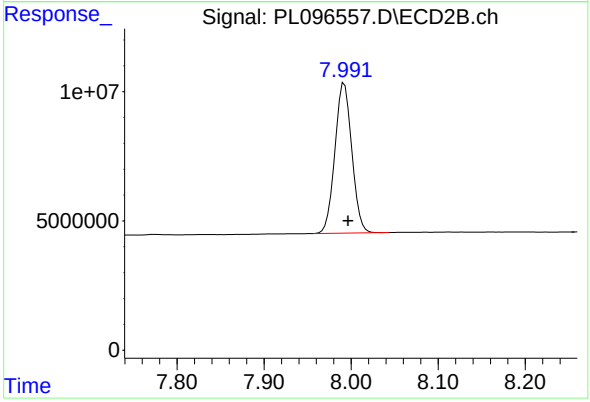
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 110999379
Conc: 19.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 48936052
Conc: 17.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 78410214
Conc: 15.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:10
Operator : AR\AJ
Sample : Q2646-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
FRAC TANK

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.827	32415181	154.5E6	8.883m	26.777m#
28)	SA Decachlor...	9.015	7.993	37821852	49613727	13.445m	9.950 #
	Target Compounds						
18)	B Endrin al...	6.887	6.171	10507313	12602738	4.700m	2.829m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

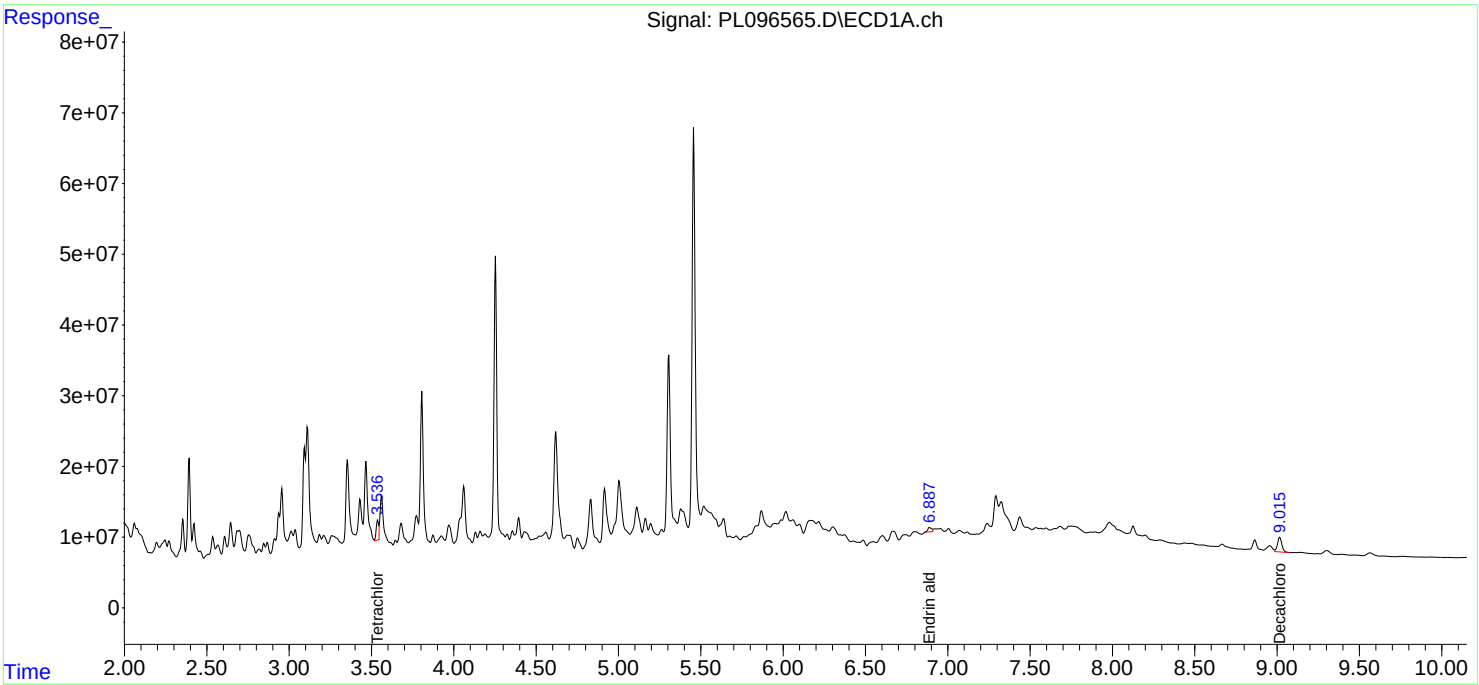
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:10
Operator : AR\AJ
Sample : Q2646-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

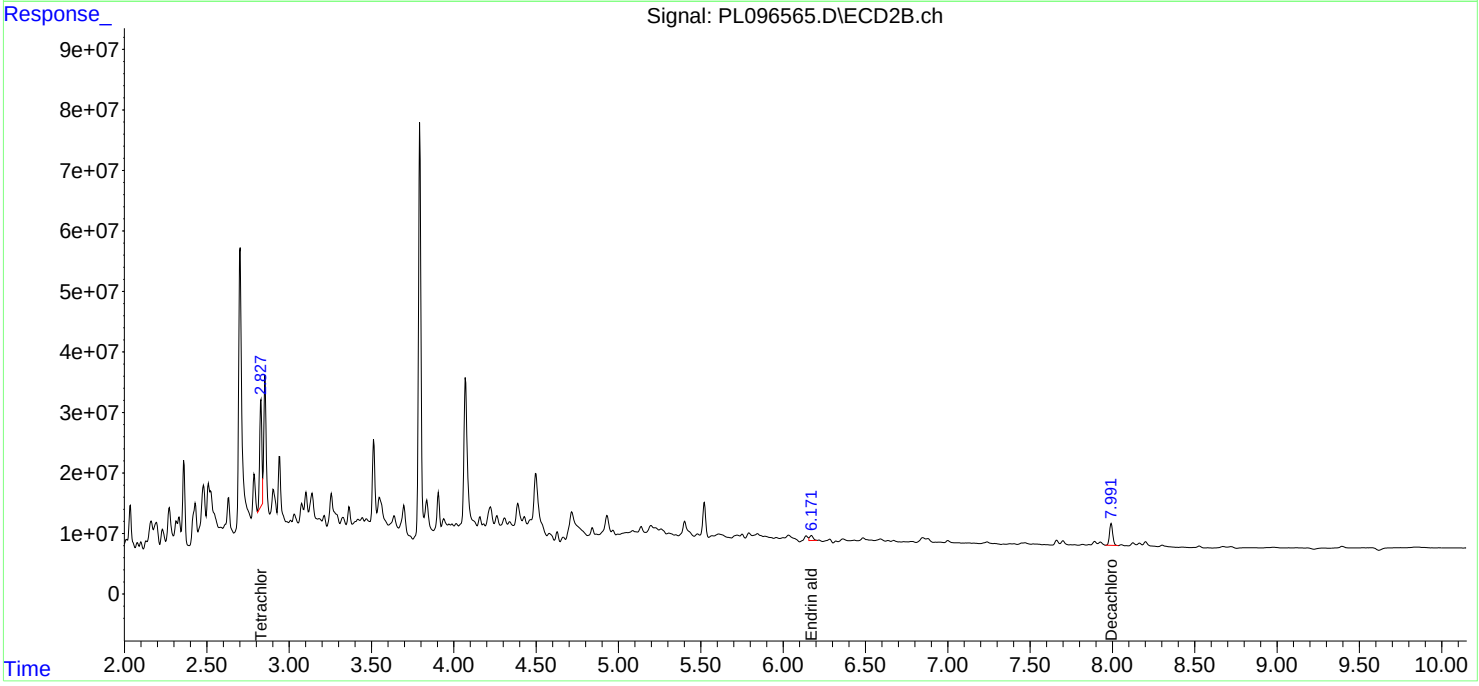
Instrument :
ECD_L
ClientSampleId :
FRAC TANK

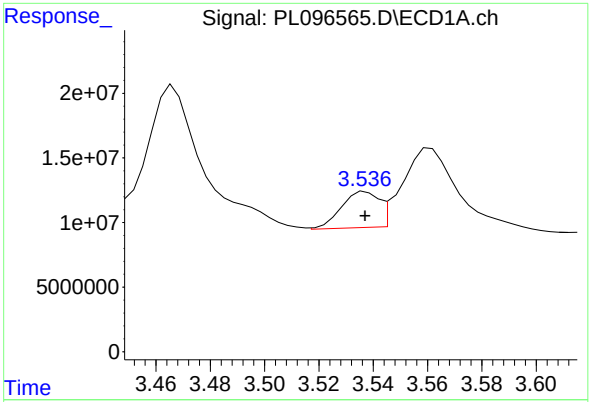
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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







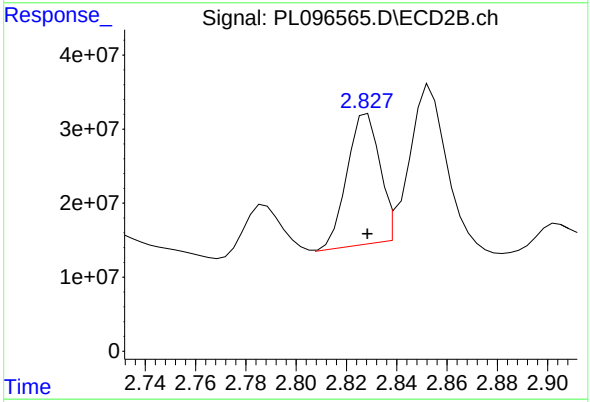
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 32415181
Conc: 8.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
FRAC TANK

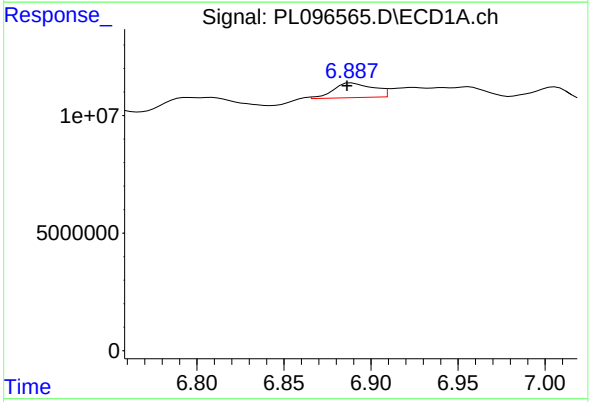
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



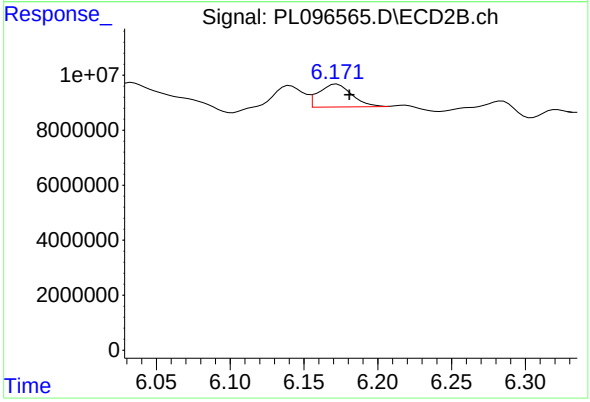
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 154535222
Conc: 26.78 ng/ml m



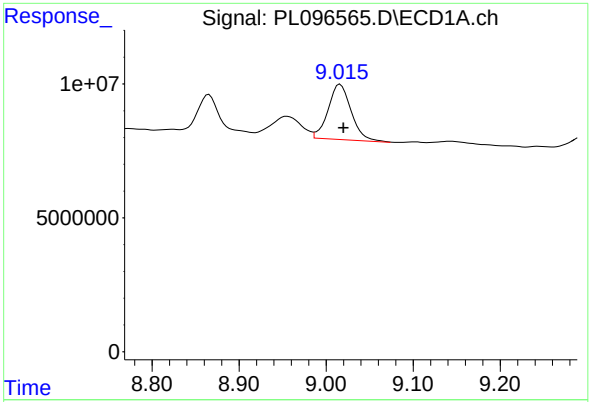
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.001 min
Response: 10507313
Conc: 4.70 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.010 min
Response: 12602738
Conc: 2.83 ng/ml m



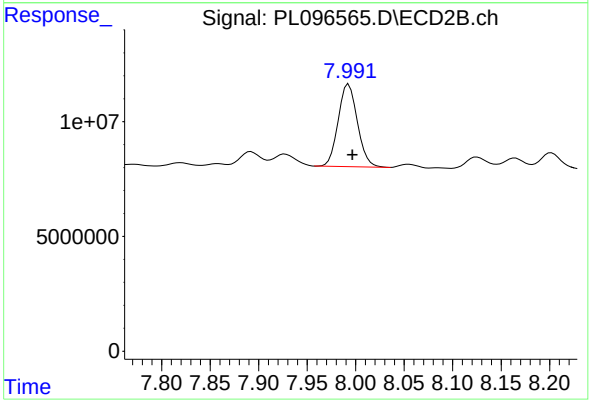
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 37821852
Conc: 13.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
FRAC TANK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 49613727
Conc: 9.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL073125\
Data File : PL096670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:30
Operator : AR\AJ
Sample : Q2646-03RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
FRAC TANKRE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 02:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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...	3.534	2.826	21767381	172.7E6	6.843m	36.146m#
28)	SA Decachlor...	9.013	7.992	33494793	52028840	14.046m	11.993
	Target Compounds						
18)	B Endrin al...	6.890	6.171	11248251	23894685	5.242	3.360 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

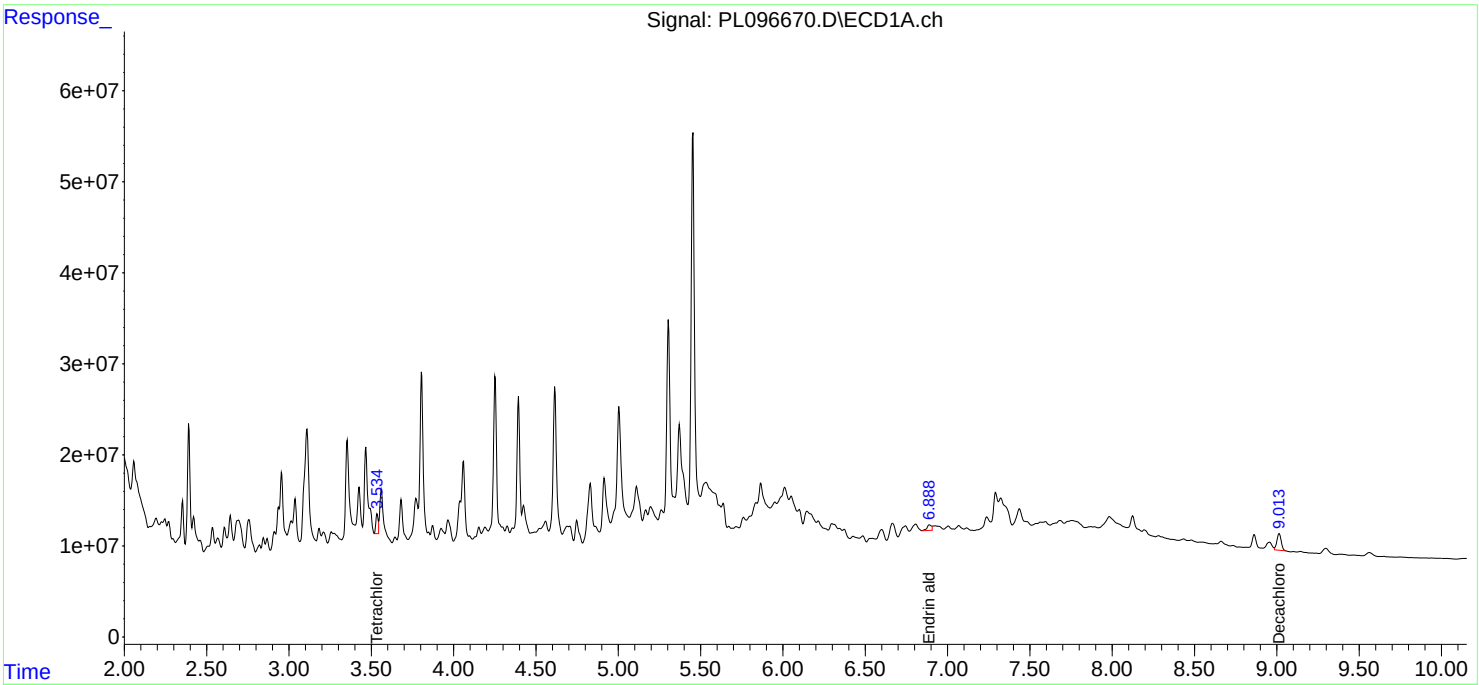
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL073125\
Data File : PL096670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:30
Operator : AR\AJ
Sample : Q2646-03RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

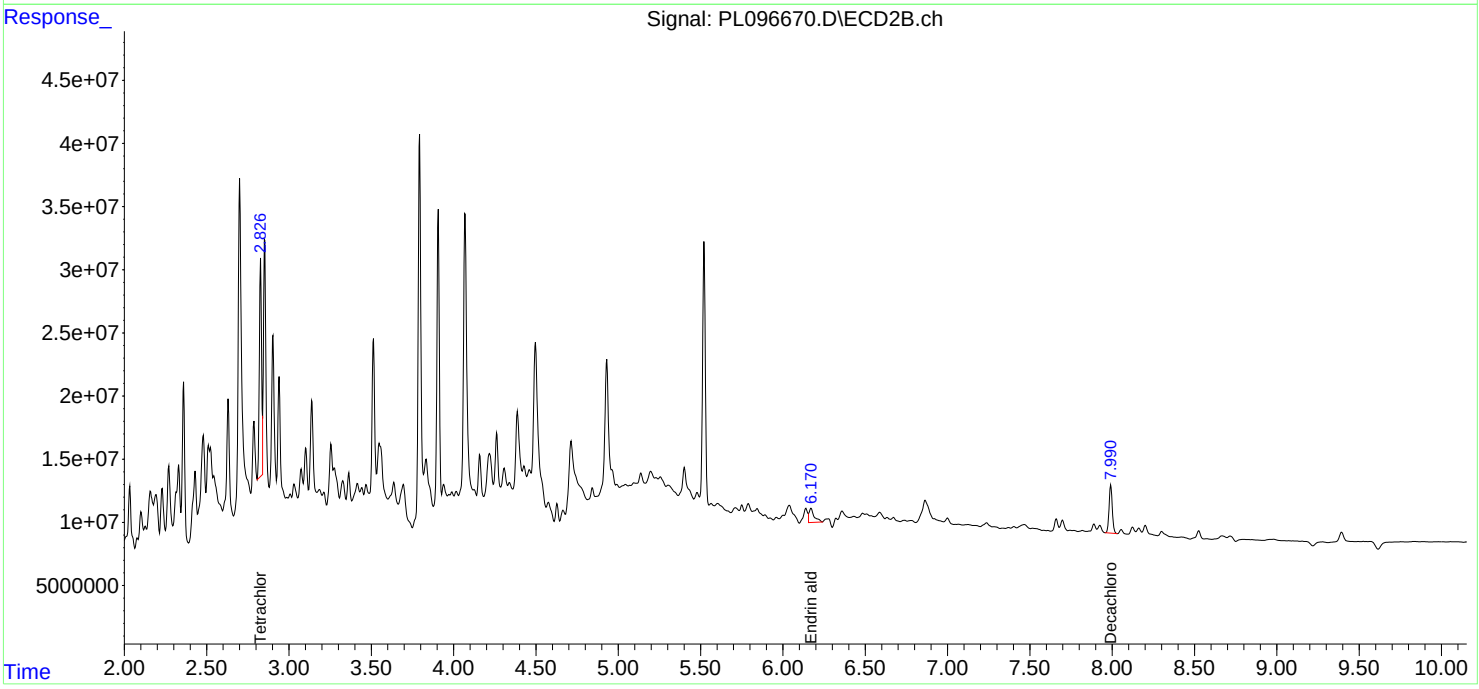
Instrument :
ECD_L
ClientSampleId :
FRAC TANKRE

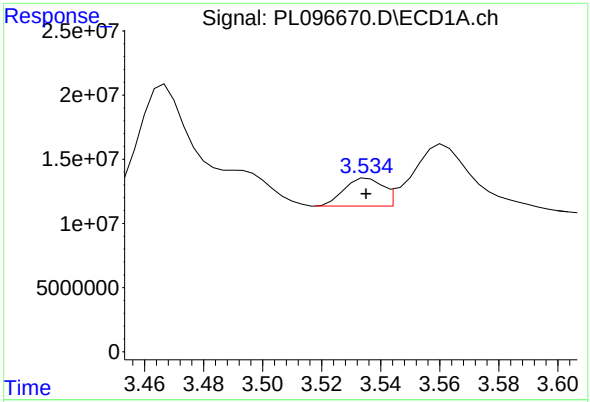
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 02:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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







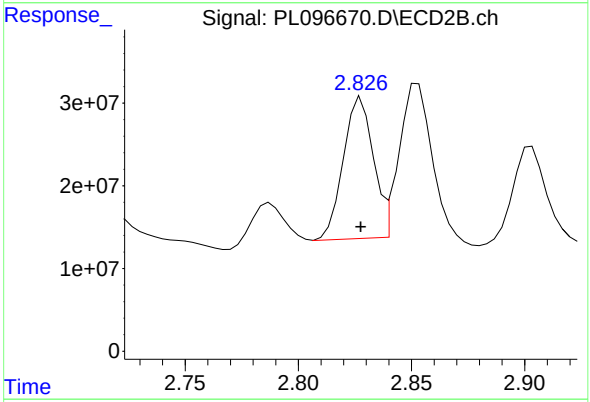
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 21767381
Conc: 6.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
FRAC TANKRE

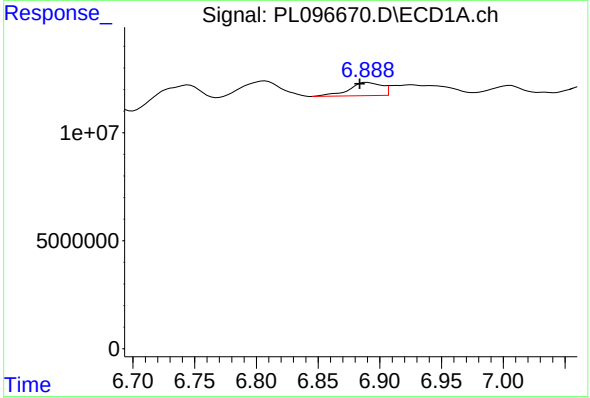
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



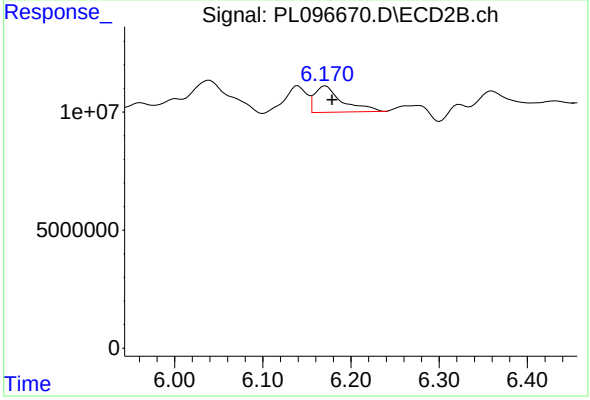
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.001 min
Response: 172697572
Conc: 36.15 ng/ml m



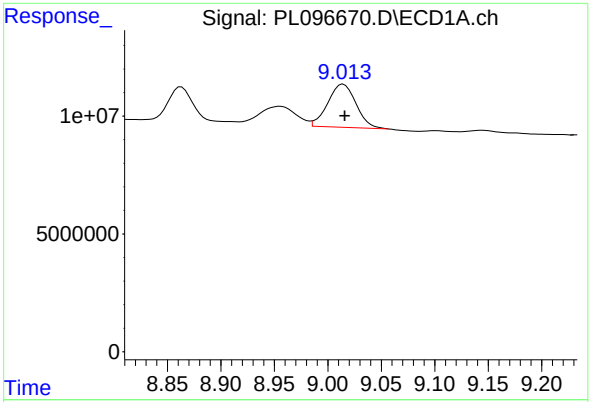
#18 Endrin aldehyde

R.T.: 6.890 min
Delta R.T.: 0.006 min
Response: 11248251
Conc: 5.24 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.008 min
Response: 23894685
Conc: 3.36 ng/ml



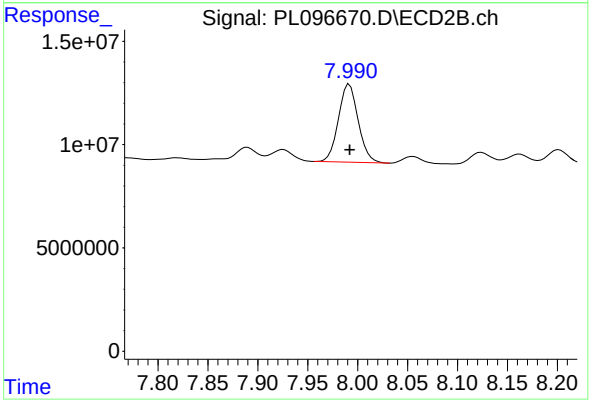
#28 Decachlorobiphenyl

R.T.: 9.013 min
Delta R.T.: -0.003 min
Response: 33494793
Conc: 14.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
FRAC TANKRE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 52028840
Conc: 11.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:24
Operator : AR\AJ
Sample : PB168984BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168984BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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...	3.534	2.824	65034236	112.8E6	17.823	19.552
28)	SA Decachlor...	9.020	7.992	48446043	77285816	17.222	15.499
	Target Compounds						

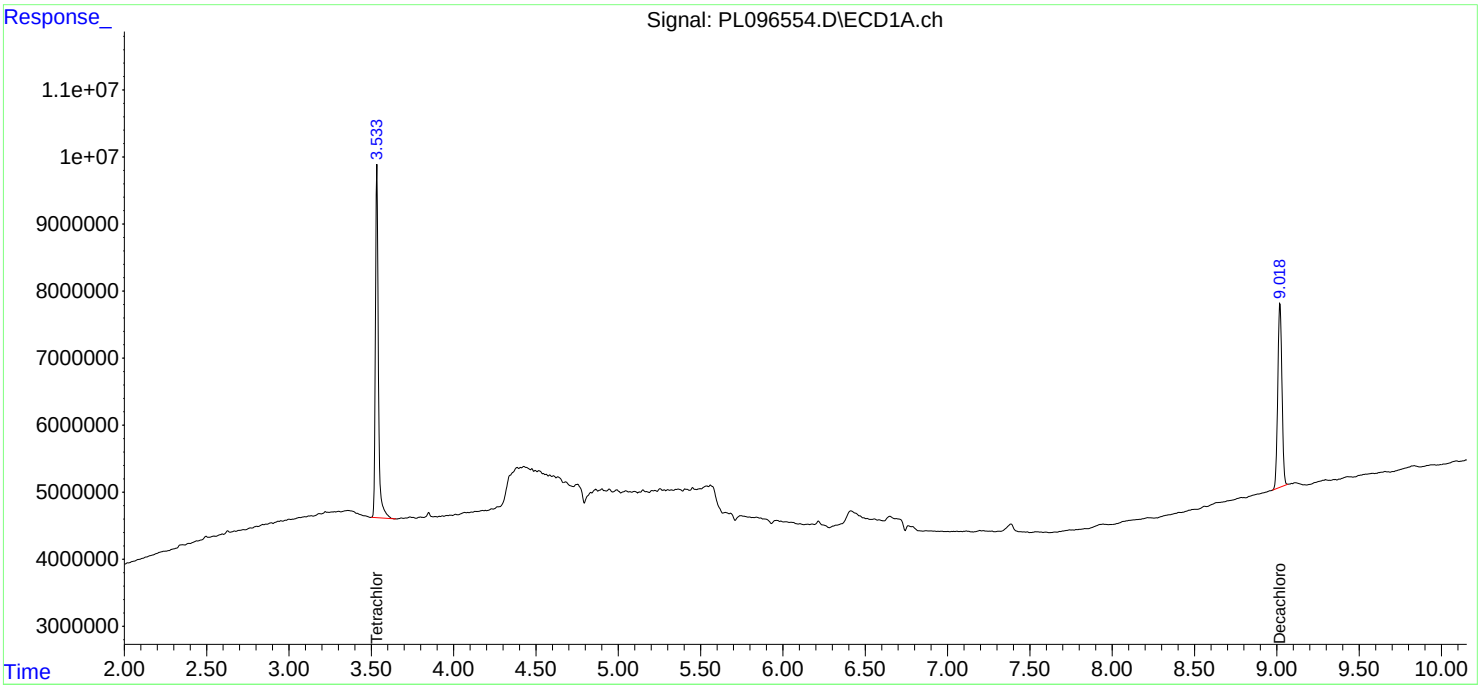
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

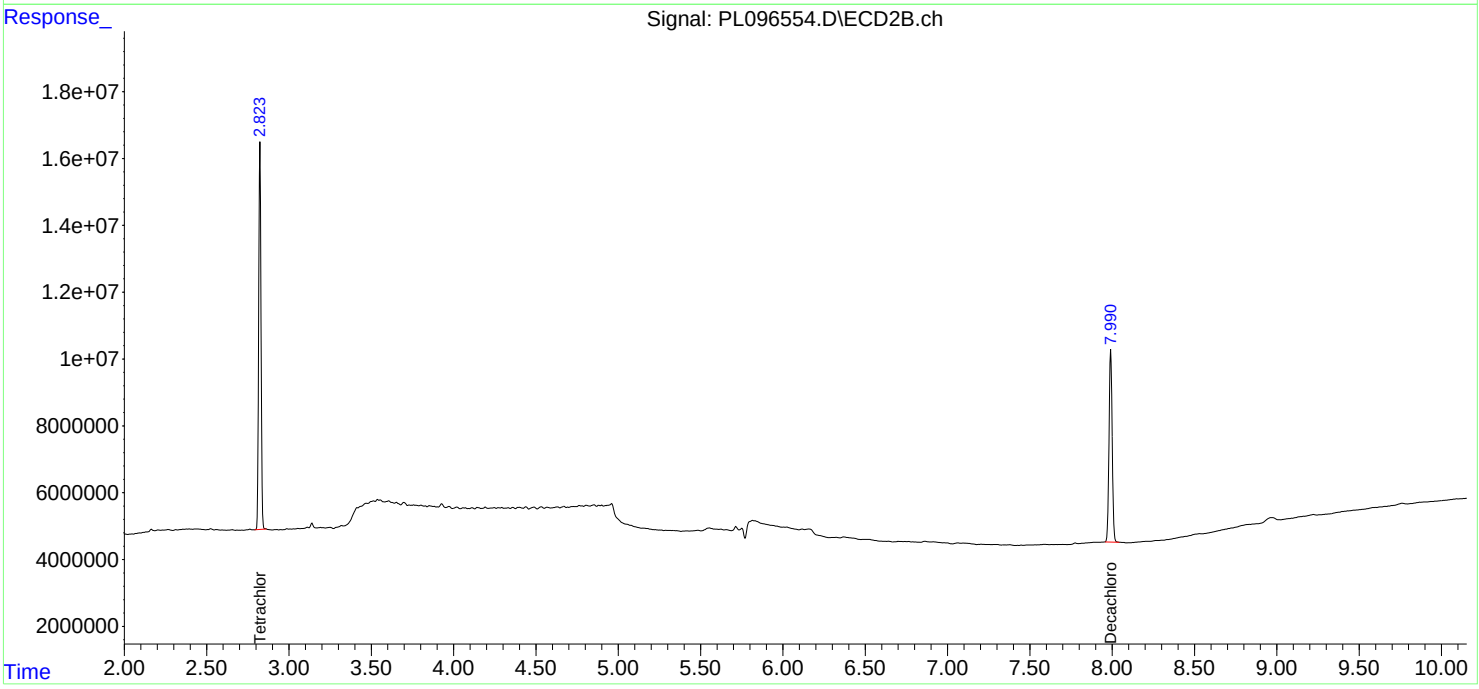
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:24
Operator : AR\AJ
Sample : PB168984BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

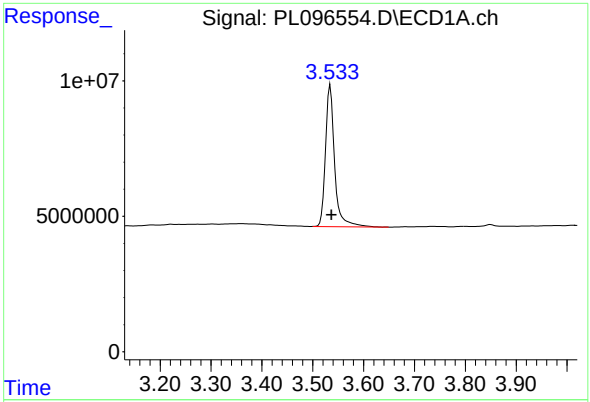
Instrument :
ECD_L
ClientSampleId :
PB168984BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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



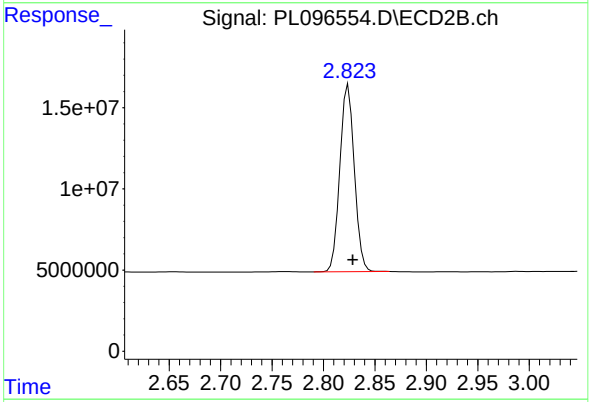




#1 Tetrachloro-m-xylene

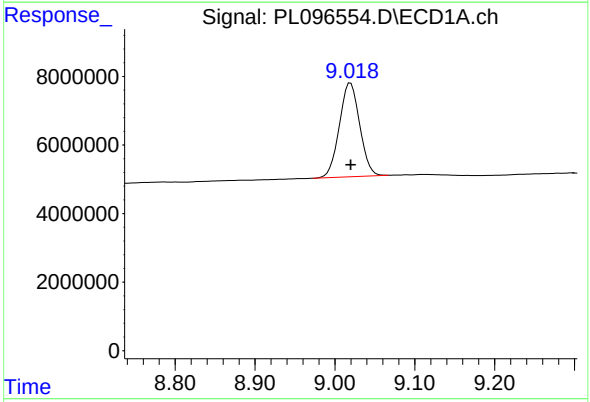
R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 65034236
Conc: 17.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BL



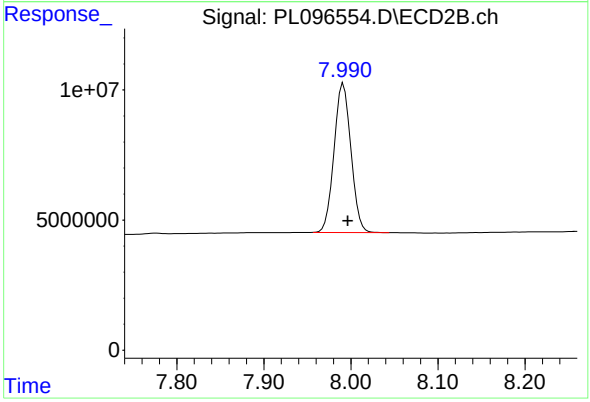
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 112838850
Conc: 19.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 48446043
Conc: 17.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 77285816
Conc: 15.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:37
Operator : AR\AJ
Sample : PB168984BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168984BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	70699130	119.6E6	19.375	20.731
28)	SA Decachlor...	9.015	7.991	53333178	83924263	18.959	16.830
	Target Compounds						
2)	A alpha-BHC	3.982	3.333	296.3E6	513.0E6	57.617	60.825
3)	MA gamma-BHC...	4.310	3.665	280.9E6	472.6E6	56.408	60.000
4)	MA Heptachlor	4.902	4.013	245.0E6	419.9E6	53.468	55.195
5)	MB Aldrin	5.243	4.296	270.0E6	440.4E6	55.863	60.363
6)	B beta-BHC	4.497	3.960	118.7E6	196.7E6	57.077	57.442
7)	B delta-BHC	4.742	4.193	266.8E6	464.2E6	59.536	60.269
8)	B Heptachlo...	5.662	4.798	252.8E6	394.2E6	60.921	58.963
9)	A Endosulfan I	6.043	5.169	223.3E6	368.0E6	55.305	51.301
10)	B gamma-Chl...	5.915	5.050	251.7E6	418.8E6	56.892	59.656
11)	B alpha-Chl...	5.996	5.114	243.9E6	405.7E6	55.691	53.942
12)	B 4,4'-DDE	6.166	5.303	208.1E6	387.7E6	56.117	59.983
13)	MA Dieldrin	6.315	5.433	229.4E6	407.2E6	54.252	59.718
14)	MA Endrin	6.542	5.707	144.5E6	290.3E6	46.452	47.619
15)	B Endosulfa...	6.754	6.000	185.8E6	339.9E6	53.553	57.972
16)	A 4,4'-DDD	6.674	5.855	179.4E6	355.0E6	61.624	69.212
17)	MA 4,4'-DDT	6.989	6.107	128.4E6	249.5E6	42.291	43.497
18)	B Endrin al...	6.881	6.178	139.9E6	258.6E6	62.596m	58.059
19)	B Endosulfa...	7.117	6.401	162.3E6	314.9E6	53.061	55.987
20)	A Methoxychlor	7.461	6.680	62530226	120.7E6	39.692	39.740
21)	B Endrin ke...	7.596	6.905	179.9E6	351.4E6	54.474	56.207
22)	Mirex	8.075	7.096	129.3E6	229.2E6	46.466	46.142

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

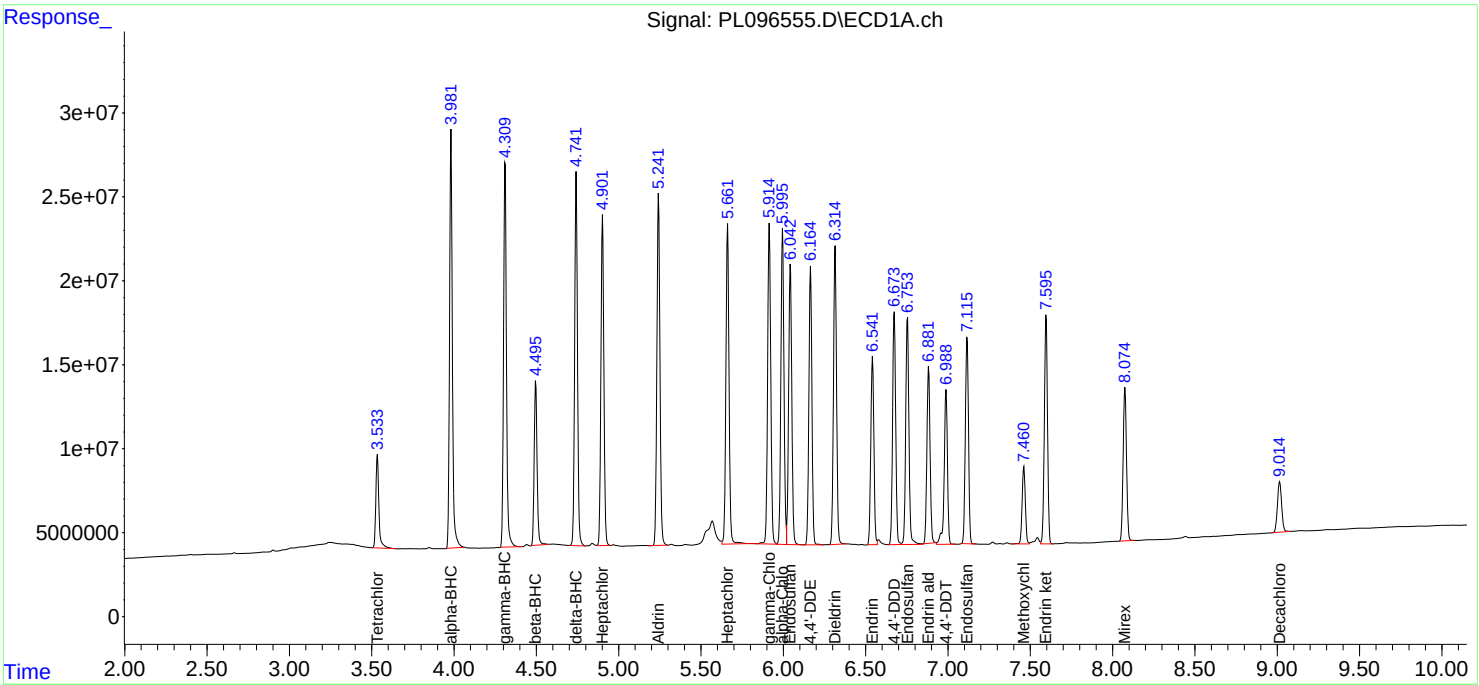
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:37
Operator : AR\AJ
Sample : PB168984BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

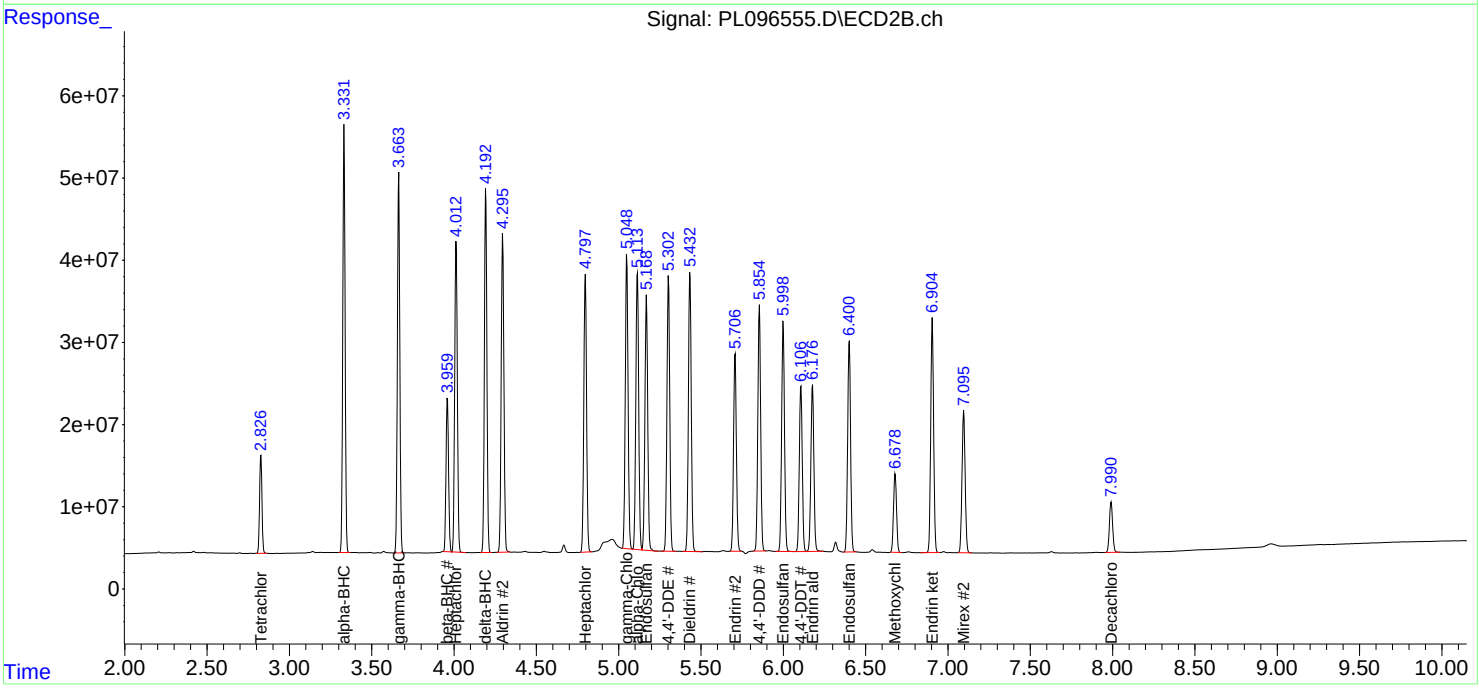
Instrument :
ECD_L
ClientSampleId :
PB168984BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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\PL072425\
Data File : PL096560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:02
Operator : AR\AJ
Sample : Q2641-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.828	76390600	125.7E6	20.935	21.783
28)	SA Decachlor...	9.017	7.993	59074999	95176800	21.000	19.087
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	285.8E6	487.8E6	55.578	57.839
3)	MA gamma-BHC...	4.309	3.665	278.8E6	451.7E6	55.985m	57.351
4)	MA Heptachlor	4.903	4.014	249.8E6	418.9E6	54.528	55.068
5)	MB Aldrin	5.243	4.296	258.4E6	409.6E6	53.462	56.147
6)	B beta-BHC	4.497	3.961	114.5E6	190.8E6	55.067	55.714
7)	B delta-BHC	4.743	4.194	255.0E6	427.2E6	56.897	55.464
8)	B Heptachlo...	5.663	4.798	242.0E6	379.7E6	58.321	56.802
9)	A Endosulfan I	6.044	5.169	168.1E6	263.3E6	41.628	36.696
10)	B gamma-Chl...	5.917	5.050	247.4E6	402.6E6	55.911	57.354
11)	B alpha-Chl...	5.997	5.114	242.5E6	391.9E6	55.386	52.118
12)	B 4,4'-DDE	6.166	5.303	207.2E6	375.4E6	55.899	58.072
13)	MA Dieldrin	6.316	5.434	232.7E6	398.6E6	55.022	58.455
14)	MA Endrin	6.543	5.708	167.5E6	322.3E6	53.860	52.874
15)	B Endosulfa...	6.756	6.000	99724499	181.2E6	28.739	30.905
16)	A 4,4'-DDD	6.676	5.854	176.3E6	366.9E6	60.558	71.531m
17)	MA 4,4'-DDT	6.990	6.108	142.4E6	273.3E6	46.924	47.661
18)	B Endrin al...	6.884	6.178	144.3E6	264.0E6	64.539	59.259
19)	B Endosulfa...	7.118	6.402	161.7E6	323.2E6	52.858	57.466
20)	A Methoxychlor	7.463	6.681	69738682	136.4E6	44.267	44.909
21)	B Endrin ke...	7.598	6.906	173.2E6	339.8E6	52.449	54.349
22)	Mirex	8.078	7.097	138.7E6	245.9E6	49.840	49.490

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

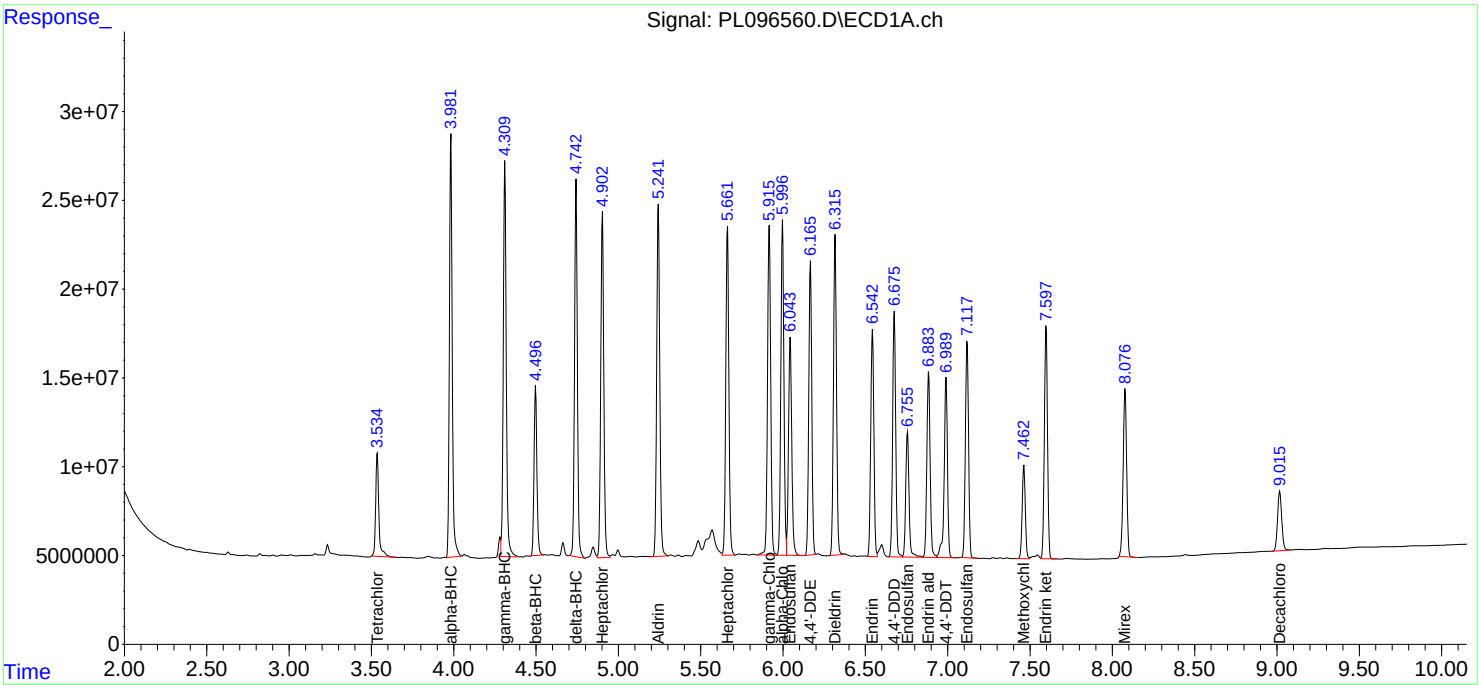
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:02
Operator : AR\AJ
Sample : Q2641-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

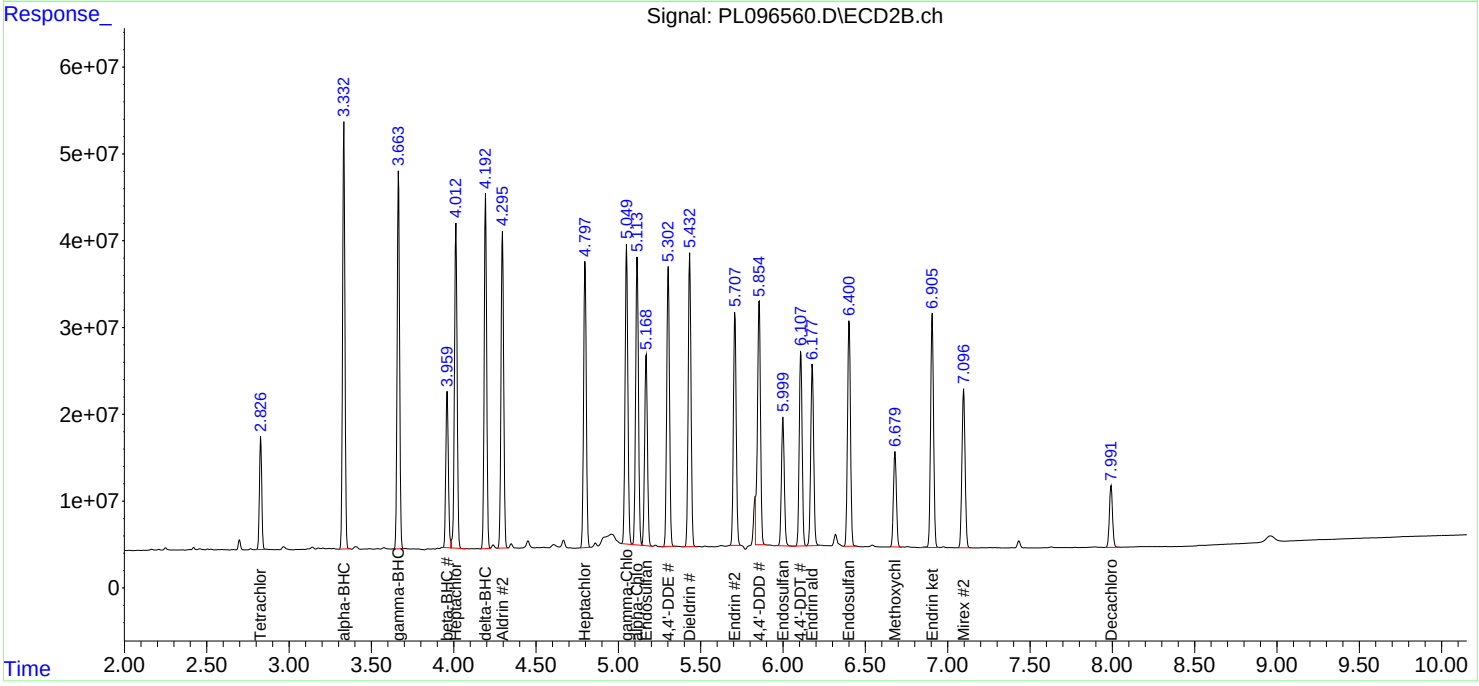
Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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\PL072425\
Data File : PL096561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:15
Operator : AR\AJ
Sample : Q2641-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.829	75248288	123.7E6	20.622	21.438
28)	SA Decachlor...	9.017	7.992	57830485	95607667	20.558	19.173
	Target Compounds						
2)	A alpha-BHC	3.983	3.334	281.9E6	479.8E6	54.817	56.887
3)	MA gamma-BHC...	4.310	3.665	276.5E6	444.2E6	55.533m	56.400
4)	MA Heptachlor	4.904	4.015	245.7E6	412.0E6	53.634	54.158
5)	MB Aldrin	5.243	4.297	255.6E6	402.9E6	52.887	55.230
6)	B beta-BHC	4.497	3.962	113.5E6	187.4E6	54.590	54.721
7)	B delta-BHC	4.744	4.195	252.4E6	420.5E6	56.333	54.594
8)	B Heptachlo...	5.663	4.799	238.1E6	374.8E6	57.392	56.064
9)	A Endosulfan I	6.045	5.170	164.2E6	259.6E6	40.660	36.192
10)	B gamma-Chl...	5.917	5.051	240.8E6	396.8E6	54.412	56.529
11)	B alpha-Chl...	5.997	5.115	237.8E6	386.7E6	54.303	51.419
12)	B 4,4'-DDE	6.167	5.304	203.5E6	370.6E6	54.891	57.339
13)	MA Dieldrin	6.316	5.435	227.4E6	393.3E6	53.770	57.678
14)	MA Endrin	6.543	5.709	165.4E6	318.0E6	53.191	52.164
15)	B Endosulfa...	6.756	6.001	96385480	179.0E6	27.776	30.528
16)	A 4,4'-DDD	6.675	5.855	174.1E6	372.3E6	59.792	72.582m
17)	MA 4,4'-DDT	6.990	6.109	139.6E6	269.0E6	45.978	46.909
18)	B Endrin al...	6.884	6.179	141.2E6	263.3E6	63.161	59.116
19)	B Endosulfa...	7.118	6.403	159.4E6	322.4E6	52.104	57.329
20)	A Methoxychlor	7.462	6.681	69060408	136.1E6	43.837	44.802
21)	B Endrin ke...	7.597	6.907	170.8E6	339.5E6	51.736	54.296
22)	Mirex	8.076	7.097	139.4E6	245.5E6	50.115m	49.416

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

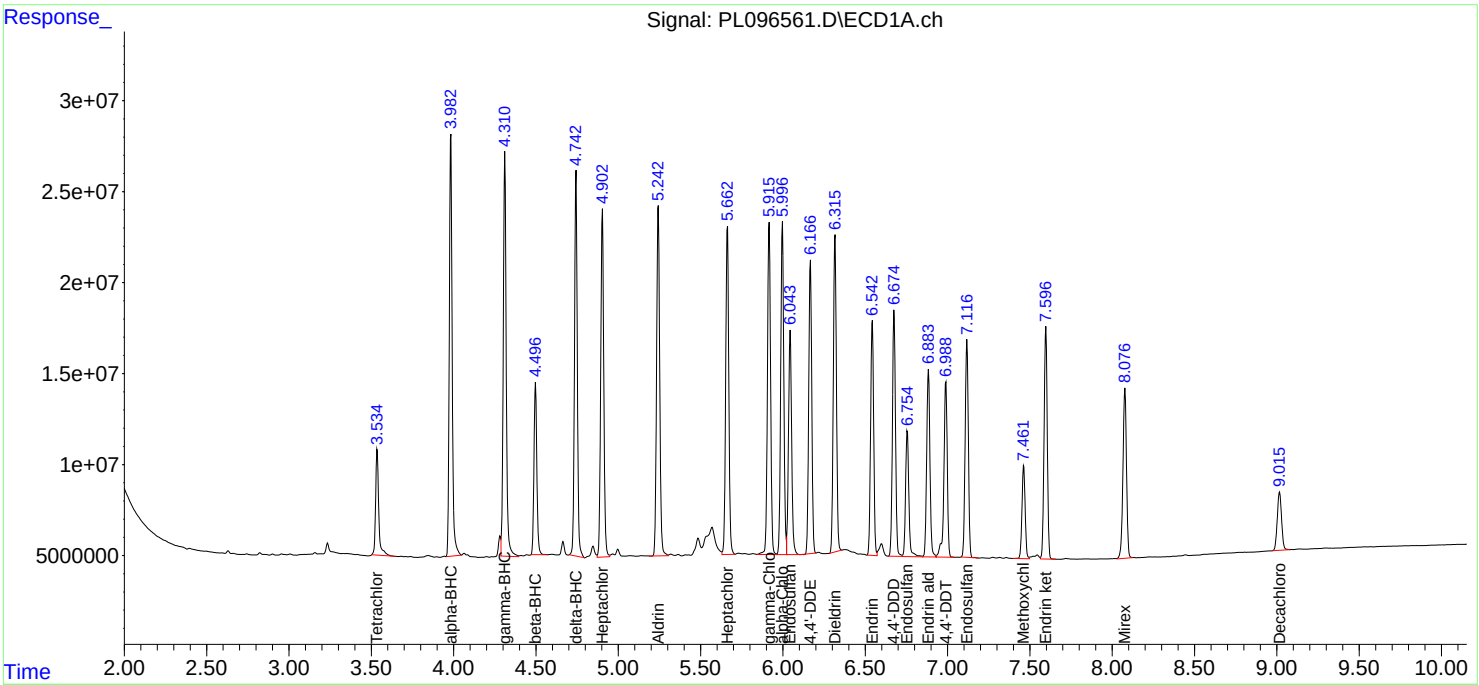
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:15
Operator : AR\AJ
Sample : Q2641-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

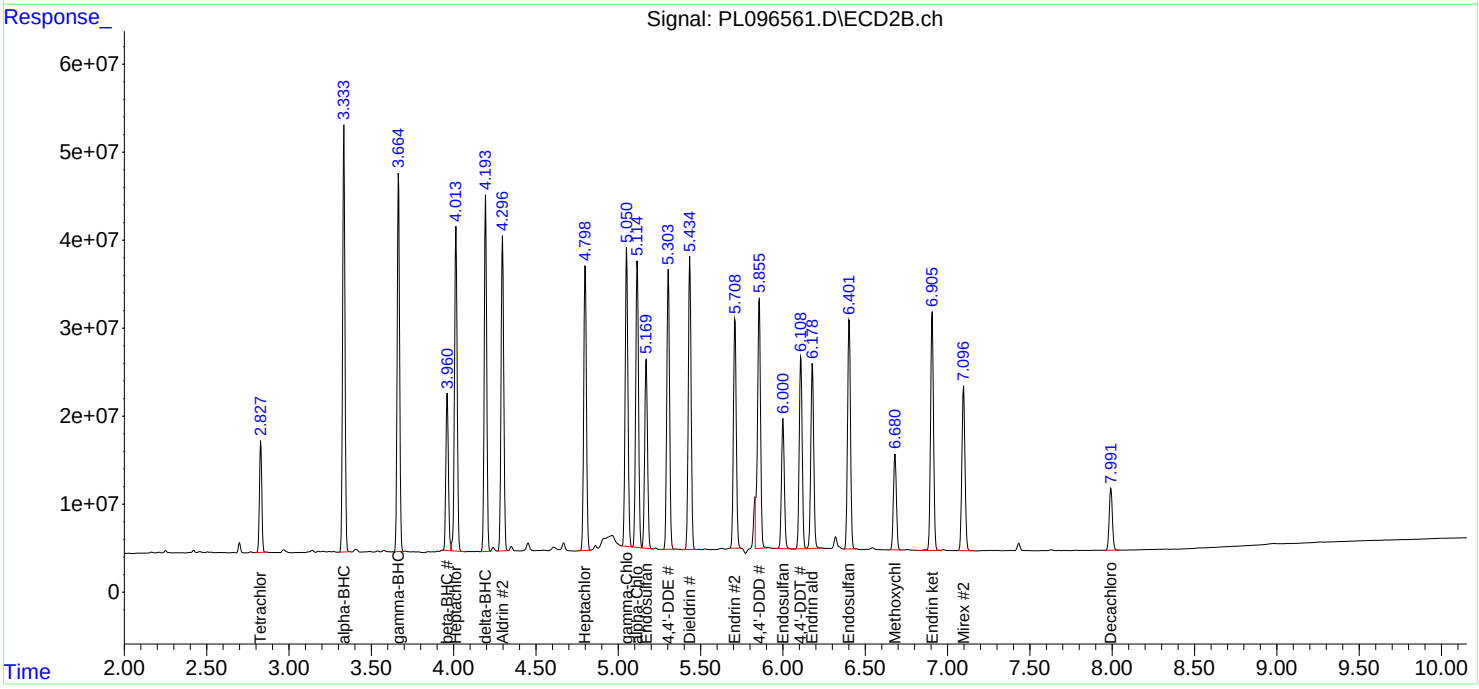
Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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:	PL070725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096238.D	4,4"-DDD	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	4,4"-DDD #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin ketone #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
RESCHK	PL096239.D	Endosulfan I #2	Abdul	7/8/2025 3:56:31 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC100	PL096240.D	Endrin ketone #2	Abdul	7/8/2025 7:52:23 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC075	PL096241.D	beta-BHC	Abdul	7/8/2025 7:51:37 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC025	PL096243.D	Endosulfan II #2	Abdul	7/8/2025 7:51:40 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	4,4"-DDE #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Dieldrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan I #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan II #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL070725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL096244.D	Endrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin ketone #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Heptachlor epoxide #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Aldrin	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Heptachlor epoxide	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PCHLORICV500	PL096256.D	Chlordane-1	Abdul	7/8/2025 7:51:59 AM	mohammad	7/9/2025 1:51:20	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:	pl072425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096552.D	4,4"-DDE	Abdul	7/25/2025 9:48:43 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PEM	PL096552.D	4,4"-DDE #2	Abdul	7/25/2025 9:48:43 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096553.D	Dieldrin #2	Abdul	7/25/2025 9:48:47 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096553.D	gamma-Chlordane	Abdul	7/25/2025 9:48:47 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PB168984BS	PL096555.D	Endrin aldehyde	Abdul	7/25/2025 9:48:50 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MS	PL096560.D	4,4"-DDD #2	Abdul	7/25/2025 9:48:56 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MS	PL096560.D	gamma-BHC (Lindane)	Abdul	7/25/2025 9:48:56 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	4,4"-DDD #2	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	gamma-BHC (Lindane)	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	Mirex	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2646-03	PL096565.D	Decachlorobiphenyl	Abdul	7/25/2025 9:47:27 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2646-03	PL096565.D	Endrin aldehyde	Abdul	7/25/2025 9:47:27 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2646-03	PL096565.D	Endrin aldehyde #2	Abdul	7/25/2025 9:47:27 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl072425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2646-03	PL096565.D	Tetrachloro-m-xylene	Abdul	7/25/2025 9:47:27 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2646-03	PL096565.D	Tetrachloro-m-xylene #2	Abdul	7/25/2025 9:47:27 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PEM	PL096567.D	Endrin aldehyde	Abdul	7/25/2025 9:47:30 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	4,4"-DDD	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Dieldrin #2	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Endosulfan II	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Endrin aldehyde	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	gamma-Chlordane	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Methoxychlor	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDD	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDE	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDT	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDT #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl072425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096577.D	Aldrin	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	alpha-Chlordane	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	alpha-Chlordane #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	delta-BHC	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Dieldrin #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endosulfan I	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endosulfan II	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin aldehyde	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin ketone #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	gamma-Chlordane	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	gamma-Chlordane #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Heptachlor	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl072425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096577.D	Heptachlor epoxide	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Mirex #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096594.D	4,4"-DDD	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	4,4"-DDD #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin aldehyde	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
RESCHK	PL096595.D	Endosulfan I #2	Abdul	7/29/2025 9:49:43 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin ketone #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Aldrin	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endosulfan II	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor epoxide	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL096611.D	delta-BHC	Abdul	7/29/2025 9:49:55 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl073125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096656.D	4,4"-DDD	yogesh	8/1/2025 7:44:59 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PEM	PL096656.D	Endrin aldehyde	yogesh	8/1/2025 7:44:59 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PEM	PL096656.D	Endrin ketone #2	yogesh	8/1/2025 7:44:59 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PSTDCCC050	PL096657.D	delta-BHC	yogesh	8/1/2025 7:45:01 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PTOXCCC500	PL096659.D	Toxaphene-1 #2	yogesh	8/1/2025 7:45:02 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PSTDCCC050	PL096667.D	delta-BHC	yogesh	8/1/2025 7:45:17 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PTOXCCC500	PL096669.D	Toxaphene-2 #2	yogesh	8/1/2025 7:45:19 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
Q2646-03RE	PL096670.D	Decachlorobiphenyl	yogesh	8/1/2025 7:45:21 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
Q2646-03RE	PL096670.D	Tetrachloro-m-xylene	yogesh	8/1/2025 7:45:21 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
Q2646-03RE	PL096670.D	Tetrachloro-m-xylene #2	yogesh	8/1/2025 7:45:21 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PSTDCCC050	PL096678.D	4,4"-DDE #2	yogesh	8/1/2025 7:45:30 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PSTDCCC050	PL096678.D	delta-BHC	yogesh	8/1/2025 7:45:30 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software
PSTDCCC050	PL096678.D	Dieldrin #2	yogesh	8/1/2025 7:45:30 AM	mohammad	8/1/2025 7:55:09	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl073125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096678.D	Endrin ketone #2	yogesh	8/1/2025 7:45:30 AM	mohammad	8/1/2025 7:55:09	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 # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096236.D	07 Jul 2025 09:59	AR\AJ	Ok
2	I.BLK	PL096237.D	07 Jul 2025 10:12	AR\AJ	Ok
3	PEM	PL096238.D	07 Jul 2025 10:26	AR\AJ	Ok,M
4	RESCHK	PL096239.D	07 Jul 2025 10:40	AR\AJ	Ok,M
5	PSTDICC100	PL096240.D	07 Jul 2025 10:53	AR\AJ	Ok,M
6	PSTDICC075	PL096241.D	07 Jul 2025 11:09	AR\AJ	Ok,M
7	PSTDICC050	PL096242.D	07 Jul 2025 11:22	AR\AJ	Ok
8	PSTDICC025	PL096243.D	07 Jul 2025 11:36	AR\AJ	Ok,M
9	PSTDICC005	PL096244.D	07 Jul 2025 11:49	AR\AJ	Ok,M
10	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03	AR\AJ	Ok
11	PCHLORICC750	PL096246.D	07 Jul 2025 12:17	AR\AJ	Ok
12	PCHLORICC500	PL096247.D	07 Jul 2025 12:30	AR\AJ	Ok
13	PCHLORICC250	PL096248.D	07 Jul 2025 12:44	AR\AJ	Ok
14	PCHLORICC050	PL096249.D	07 Jul 2025 12:58	AR\AJ	Ok,M
15	PTOXICC1000	PL096250.D	07 Jul 2025 13:11	AR\AJ	Ok
16	PTOXICC750	PL096251.D	07 Jul 2025 13:25	AR\AJ	Ok
17	PTOXICC500	PL096252.D	07 Jul 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL096253.D	07 Jul 2025 13:52	AR\AJ	Ok,M
19	PTOXICC100	PL096254.D	07 Jul 2025 14:06	AR\AJ	Ok,M
20	PSTDICV050	PL096255.D	07 Jul 2025 14:19	AR\AJ	Ok,M
21	PCHLORICV500	PL096256.D	07 Jul 2025 14:33	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 # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096257.D	07 Jul 2025 14:47	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 # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM		
SubDirectory	PL072425	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096550.D	24 Jul 2025 10:28	AR\AJ	Ok
2	I.BLK	PL096551.D	24 Jul 2025 10:42	AR\AJ	Ok
3	PEM	PL096552.D	24 Jul 2025 10:56	AR\AJ	Ok,M
4	PSTDCCC050	PL096553.D	24 Jul 2025 11:28	AR\AJ	Ok,M
5	PB168984BL	PL096554.D	24 Jul 2025 12:24	AR\AJ	Ok
6	PB168984BS	PL096555.D	24 Jul 2025 12:37	AR\AJ	Ok,M
7	PB168919TB	PL096556.D	24 Jul 2025 12:51	AR\AJ	Ok
8	PB168926TB	PL096557.D	24 Jul 2025 13:04	AR\AJ	Ok
9	PB168969TB	PL096558.D	24 Jul 2025 13:18	AR\AJ	Ok
10	Q2641-02	PL096559.D	24 Jul 2025 16:48	AR\AJ	Ok,M
11	Q2641-02MS	PL096560.D	24 Jul 2025 17:02	AR\AJ	Ok,M
12	Q2641-02MSD	PL096561.D	24 Jul 2025 17:15	AR\AJ	Ok,M
13	Q2481-12	PL096562.D	24 Jul 2025 17:29	AR\AJ	Ok
14	Q2481-15	PL096563.D	24 Jul 2025 17:42	AR\AJ	Ok,M
15	Q2481-21	PL096564.D	24 Jul 2025 17:56	AR\AJ	Not Ok
16	Q2646-03	PL096565.D	24 Jul 2025 18:10	AR\AJ	ReRun
17	I.BLK	PL096566.D	24 Jul 2025 18:23	AR\AJ	Ok
18	PEM	PL096567.D	24 Jul 2025 18:37	AR\AJ	Ok,M
19	PSTDCCC050	PL096568.D	24 Jul 2025 18:51	AR\AJ	Ok,M
20	Q2481-19	PL096569.D	24 Jul 2025 19:45	AR\AJ	Not Ok
21	Q2481-13	PL096570.D	24 Jul 2025 19:59	AR\AJ	Not 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 # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM		
SubDirectory	PL072425	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	Q2481-14	PL096571.D	24 Jul 2025 20:12	AR\AJ	Not Ok
23	Q2481-16	PL096572.D	24 Jul 2025 20:26	AR\AJ	Ok,M
24	Q2481-17	PL096573.D	24 Jul 2025 20:40	AR\AJ	Ok,M
25	Q2481-18	PL096574.D	24 Jul 2025 20:53	AR\AJ	Ok,M
26	Q2481-20	PL096575.D	24 Jul 2025 21:07	AR\AJ	Ok,M
27	I.BLK	PL096576.D	24 Jul 2025 21:20	AR\AJ	Ok
28	PSTDCCC050	PL096577.D	24 Jul 2025 23:50	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 # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096592.D	28 Jul 2025 15:57	AR\AJ	Ok
2	I.BLK	PL096593.D	28 Jul 2025 16:11	AR\AJ	Ok
3	PEM	PL096594.D	28 Jul 2025 16:25	AR\AJ	Ok,M
4	RESCHK	PL096595.D	28 Jul 2025 16:38	AR\AJ	Ok,M
5	PSTDICC100	PL096596.D	28 Jul 2025 16:52	AR\AJ	Ok
6	PSTDICC075	PL096597.D	28 Jul 2025 17:06	AR\AJ	Ok
7	PSTDICC050	PL096598.D	28 Jul 2025 17:19	AR\AJ	Ok
8	PSTDICC025	PL096599.D	28 Jul 2025 17:33	AR\AJ	Ok,M
9	PSTDICC005	PL096600.D	28 Jul 2025 17:47	AR\AJ	Ok,M
10	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00	AR\AJ	Ok
11	PCHLORICC750	PL096602.D	28 Jul 2025 18:14	AR\AJ	Ok
12	PCHLORICC500	PL096603.D	28 Jul 2025 18:27	AR\AJ	Ok
13	PCHLORICC250	PL096604.D	28 Jul 2025 18:41	AR\AJ	Ok
14	PCHLORICC050	PL096605.D	28 Jul 2025 18:55	AR\AJ	Ok
15	PTOXICC1000	PL096606.D	28 Jul 2025 19:08	AR\AJ	Ok
16	PTOXICC750	PL096607.D	28 Jul 2025 19:22	AR\AJ	Ok
17	PTOXICC500	PL096608.D	28 Jul 2025 19:36	AR\AJ	Ok
18	PTOXICC250	PL096609.D	28 Jul 2025 19:49	AR\AJ	Ok
19	PTOXICC100	PL096610.D	28 Jul 2025 20:03	AR\AJ	Ok
20	PSTDICV050	PL096611.D	28 Jul 2025 20:17	AR\AJ	Ok,M
21	PCHLORICV500	PL096612.D	28 Jul 2025 20:30	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 # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096613.D	28 Jul 2025 20:44	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 # PL073125

Review By	yogesh	Review On	8/1/2025 7:45:45 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:09 AM		
SubDirectory	PL073125	HP Acquire Method	ECD_L	HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096654.D	31 Jul 2025 09:14	AR\AJ	Ok
2	I.BLK	PL096655.D	31 Jul 2025 09:27	AR\AJ	Ok
3	PEM	PL096656.D	31 Jul 2025 09:41	AR\AJ	Ok,M
4	PSTDCCC050	PL096657.D	31 Jul 2025 09:54	AR\AJ	Ok,M
5	PCHLORCCC500	PL096658.D	31 Jul 2025 10:08	AR\AJ	Ok
6	PTOXCCC500	PL096659.D	31 Jul 2025 10:59	AR\AJ	Ok,M
7	Q2126-03	PL096660.D	31 Jul 2025 12:15	AR\AJ	Ok,M
8	Q2126-09	PL096661.D	31 Jul 2025 12:47	AR\AJ	Not Ok
9	Q2126-03	PL096662.D	31 Jul 2025 13:00	AR\AJ	Ok,M
10	Q2126-09	PL096663.D	31 Jul 2025 13:14	AR\AJ	Ok,M
11	Q2126-03	PL096664.D	31 Jul 2025 13:27	AR\AJ	Not Ok
12	Q2126-09	PL096665.D	31 Jul 2025 14:22	AR\AJ	Ok,M
13	I.BLK	PL096666.D	31 Jul 2025 14:35	AR\AJ	Ok
14	PSTDCCC050	PL096667.D	31 Jul 2025 14:49	AR\AJ	Ok,M
15	PCHLORCCC500	PL096668.D	31 Jul 2025 15:03	AR\AJ	Ok
16	PTOXCCC500	PL096669.D	31 Jul 2025 15:16	AR\AJ	Ok,M
17	Q2646-03RE	PL096670.D	31 Jul 2025 15:30	AR\AJ	Confirms
18	PB169065BL	PL096671.D	31 Jul 2025 15:43	AR\AJ	Ok
19	PB169065BS	PL096672.D	31 Jul 2025 15:57	AR\AJ	Ok,M
20	Q2726-01	PL096673.D	31 Jul 2025 16:11	AR\AJ	Ok,M
21	Q2726-01MS	PL096674.D	31 Jul 2025 16:24	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 # PL073125

Review By	yogesh	Review On	8/1/2025 7:45:45 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:09 AM		
SubDirectory	PL073125	HP Acquire Method	ECD_L	HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	Q2726-01MSD	PL096675.D	31 Jul 2025 16:38	AR\AJ	Ok,M
23	Q2728-01	PL096676.D	31 Jul 2025 16:52	AR\AJ	Ok
24	I.BLK	PL096677.D	31 Jul 2025 17:05	AR\AJ	Ok
25	PSTDCCC050	PL096678.D	31 Jul 2025 17:19	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 # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096236.D	07 Jul 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL096237.D	07 Jul 2025 10:12		AR\AJ	Ok
3	PEM	PEM	PL096238.D	07 Jul 2025 10:26		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096239.D	07 Jul 2025 10:40		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096240.D	07 Jul 2025 10:53		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL096241.D	07 Jul 2025 11:09		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL096242.D	07 Jul 2025 11:22		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096243.D	07 Jul 2025 11:36		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096244.D	07 Jul 2025 11:49		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096246.D	07 Jul 2025 12:17		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096247.D	07 Jul 2025 12:30		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096248.D	07 Jul 2025 12:44		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096249.D	07 Jul 2025 12:58		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL096250.D	07 Jul 2025 13:11		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096251.D	07 Jul 2025 13:25		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096252.D	07 Jul 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL096253.D	07 Jul 2025 13:52		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 # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096254.D	07 Jul 2025 14:06		AR\AJ	Ok,M
20	PSTDICV050	ICVPL070725	PL096255.D	07 Jul 2025 14:19		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL070725	PL096256.D	07 Jul 2025 14:33		AR\AJ	Ok,M
22	PTOXICV500	ICVPL070725	PL096257.D	07 Jul 2025 14:47		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 # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM		
SubDirectory	PL072425	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096550.D	24 Jul 2025 10:28		AR\AJ	Ok
2	I.BLK	I.BLK	PL096551.D	24 Jul 2025 10:42		AR\AJ	Ok
3	PEM	PEM	PL096552.D	24 Jul 2025 10:56		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096553.D	24 Jul 2025 11:28		AR\AJ	Ok,M
5	PB168984BL	PB168984BL	PL096554.D	24 Jul 2025 12:24		AR\AJ	Ok
6	PB168984BS	PB168984BS	PL096555.D	24 Jul 2025 12:37		AR\AJ	Ok,M
7	PB168919TB	PB168919TB	PL096556.D	24 Jul 2025 12:51		AR\AJ	Ok
8	PB168926TB	PB168926TB	PL096557.D	24 Jul 2025 13:04		AR\AJ	Ok
9	PB168969TB	PB168969TB	PL096558.D	24 Jul 2025 13:18		AR\AJ	Ok
10	Q2641-02	P001-CONCRETE001-	PL096559.D	24 Jul 2025 16:48		AR\AJ	Ok,M
11	Q2641-02MS	P001-CONCRETE001-	PL096560.D	24 Jul 2025 17:02		AR\AJ	Ok,M
12	Q2641-02MSD	P001-CONCRETE001-	PL096561.D	24 Jul 2025 17:15		AR\AJ	Ok,M
13	Q2481-12	CC0627-AL	PL096562.D	24 Jul 2025 17:29		AR\AJ	Ok
14	Q2481-15	CC0627-AOXL	PL096563.D	24 Jul 2025 17:42		AR\AJ	Ok,M
15	Q2481-21	CC0627-SFBL	PL096564.D	24 Jul 2025 17:56	need clean up	AR\AJ	Not Ok
16	Q2646-03	FRAC TANK	PL096565.D	24 Jul 2025 18:10	DCB low in 2nd and TCMX low in 1st column	AR\AJ	ReRun
17	I.BLK	I.BLK	PL096566.D	24 Jul 2025 18:23		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 # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM		
SubDirectory	PL072425	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	

18	PEM	PEM	PL096567.D	24 Jul 2025 18:37		AR\AJ	Ok,M
19	PSTDCCC050	PSTDCCC050	PL096568.D	24 Jul 2025 18:51	DCB Low in 2nd column	AR\AJ	Ok,M
20	Q2481-19	CC0627-CLOXAL	PL096569.D	24 Jul 2025 19:45	f flag in TCMX in 1st column ,TCMX high in both column ,Bad injection	AR\AJ	Not Ok
21	Q2481-13	CC0627-CLOXPL	PL096570.D	24 Jul 2025 19:59	TCMX high in both column , DCB low in 1st column, ,Bad injection	AR\AJ	Not Ok
22	Q2481-14	CC0625-OXBL	PL096571.D	24 Jul 2025 20:12	TCMX high in 1st column and low in 2nd column , DCB low in 1st column, ,Bad injection	AR\AJ	Not Ok
23	Q2481-16	CC0625-NL	PL096572.D	24 Jul 2025 20:26	DCB high in 1st column	AR\AJ	Ok,M
24	Q2481-17	CC0267-OXPL	PL096573.D	24 Jul 2025 20:40	TCMX low in 2nd column	AR\AJ	Ok,M
25	Q2481-18	CC0627-OXL	PL096574.D	24 Jul 2025 20:53	TCMX high in 1st column,	AR\AJ	Ok,M
26	Q2481-20	CC0627-BL	PL096575.D	24 Jul 2025 21:07	TCMX high in 1st column	AR\AJ	Ok,M
27	I.BLK	I.BLK	PL096576.D	24 Jul 2025 21:20		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL096577.D	24 Jul 2025 23:50	4,4-DDT low in 2nd column	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 # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096592.D	28 Jul 2025 15:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL096593.D	28 Jul 2025 16:11		AR\AJ	Ok
3	PEM	PEM	PL096594.D	28 Jul 2025 16:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096595.D	28 Jul 2025 16:38		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096596.D	28 Jul 2025 16:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL096597.D	28 Jul 2025 17:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL096598.D	28 Jul 2025 17:19	Comp#18 kept on L.R. for 2nd column	AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096599.D	28 Jul 2025 17:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096600.D	28 Jul 2025 17:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096602.D	28 Jul 2025 18:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096603.D	28 Jul 2025 18:27		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096604.D	28 Jul 2025 18:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096605.D	28 Jul 2025 18:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL096606.D	28 Jul 2025 19:08		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096607.D	28 Jul 2025 19:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096608.D	28 Jul 2025 19:36		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 # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	

18	PTOXICC250	PTOXICC250	PL096609.D	28 Jul 2025 19:49		AR\AJ	Ok
19	PTOXICC100	PTOXICC100	PL096610.D	28 Jul 2025 20:03		AR\AJ	Ok
20	PSTDICV050	ICVPL072825	PL096611.D	28 Jul 2025 20:17		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL072825CHLOR	PL096612.D	28 Jul 2025 20:30		AR\AJ	Ok
22	PTOXICV500	ICVPL072825TOX	PL096613.D	28 Jul 2025 20:44		AR\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_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL073125

Review By	yogesh	Review On	8/1/2025 7:45:45 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:09 AM		
SubDirectory	PL073125	HP Acquire Method	ECD_L	HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	PL096654.D	31 Jul 2025 09:14		AR\AJ	Ok
2	I.BLK	I.BLK	PL096655.D	31 Jul 2025 09:27		AR\AJ	Ok
3	PEM	PEM	PL096656.D	31 Jul 2025 09:41		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096657.D	31 Jul 2025 09:54		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL096658.D	31 Jul 2025 10:08		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PL096659.D	31 Jul 2025 10:59		AR\AJ	Ok,M
7	Q2126-03	MDL-SOIL-03-QT2-202	PL096660.D	31 Jul 2025 12:15	MDL PEST 1PPB	AR\AJ	Ok,M
8	Q2126-09	MDL-WATER-03-QT2-2	PL096661.D	31 Jul 2025 12:47	Comp#14,15 recovery high, MDL PEST 1PPB	AR\AJ	Not Ok
9	Q2126-03	MDL-SOIL-03-QT2-202	PL096662.D	31 Jul 2025 13:00	MDL CHLOR 25PPB	AR\AJ	Ok,M
10	Q2126-09	MDL-WATER-03-QT2-2	PL096663.D	31 Jul 2025 13:14	MDL CHLOR 25PPB	AR\AJ	Ok,M
11	Q2126-03	MDL-SOIL-03-QT2-202	PL096664.D	31 Jul 2025 13:27	Tox-1,2 high in 1st column, MDL TOX 50PPB	AR\AJ	Not Ok
12	Q2126-09	MDL-WATER-03-QT2-2	PL096665.D	31 Jul 2025 14:22	MDL TOX 50PPB	AR\AJ	Ok,M
13	I.BLK	I.BLK	PL096666.D	31 Jul 2025 14:35		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL096667.D	31 Jul 2025 14:49		AR\AJ	Ok,M
15	PCHLORCCC500	PCHLORCCC500	PL096668.D	31 Jul 2025 15:03		AR\AJ	Ok
16	PTOXCCC500	PTOXCCC500	PL096669.D	31 Jul 2025 15:16		AR\AJ	Ok,M
17	Q2646-03RE	FRAC TANKRE	PL096670.D	31 Jul 2025 15:30	TCMX low in 1st column & high in 2nd column	AR\AJ	Confirms

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 # PL073125

Review By	yogesh	Review On	8/1/2025 7:45:45 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:09 AM		
SubDirectory	PL073125	HP Acquire Method	ECD_L	HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
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	

18	PB169065BL	PB169065BL	PL096671.D	31 Jul 2025 15:43		AR\AJ	Ok
19	PB169065BS	PB169065BS	PL096672.D	31 Jul 2025 15:57		AR\AJ	Ok,M
20	Q2726-01	WBR-PBO	PL096673.D	31 Jul 2025 16:11		AR\AJ	Ok,M
21	Q2726-01MS	WBR-PBOMS	PL096674.D	31 Jul 2025 16:24		AR\AJ	Ok,M
22	Q2726-01MSD	WBR-PBOMSD	PL096675.D	31 Jul 2025 16:38		AR\AJ	Ok,M
23	Q2728-01	7211931-VNJ240	PL096676.D	31 Jul 2025 16:52		AR\AJ	Ok
24	I.BLK	I.BLK	PL096677.D	31 Jul 2025 17:05		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL096678.D	31 Jul 2025 17:19		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : 115525

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
N/A	N/A	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	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. q2646-03 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 1130	JP ICP Room	SKS. RJ / EH
	Preparation Group	Analysis Group ICP/MS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q q2646 **WorkList ID :** 190828 **Department :** TCLP Extraction **Date :** 07-18-2025 15:02:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2646-03	FRAC TANK	Water	TCLP Extraction	Cool 4 deg C	ENVI60	O11	07/18/2025	1311

Date/Time 07/18/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 18:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168984

SOP ID:	M3510C,3580A-Extraction Pesticide-17				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/23/2025
Matrix :	Water			**Extraction Start Time :**	12:15
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/23/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
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	E3954
Baked Na2SO4	N/A	EP2625
Hexane	N/A	E3956
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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 BTS723.1.5ML Vial Lot # 2210443. Q2481 all samples used Limited volume as samples are not regular environmental samples its chemical treated samples.

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
7/23/25	RS (Extlab)	R. Pesh/PCB Lab
16:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168984

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 07/23/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168919TB	PB168919TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168926TB	PB168926TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB168969TB	PB168969TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			3
PB168984BL	PBLK984	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
PB168984BS	PLCS984	TCLP Pesticide	1000	6	RUPESH	ritesh	10			5
Q2481-12	CC0627-AL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	6
Q2481-13	CC0627-CLOXPL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	7
Q2481-14	CC0625-OXBL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	8
Q2481-15	CC0627-AOXL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	9
Q2481-16	CC0625-NL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	10
Q2481-17	CC0267-OXPL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	11
Q2481-18	CC0627-OXL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	12
Q2481-19	CC0627-CLOXAL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	13
Q2481-20	CC0627-BL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	14
Q2481-21	CC0627-SFBL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	15
Q2641-02	P001-CONCRETE001-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q2641-02MS	P001-CONCRETE001-01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		SEP-1
Q2641-02MSD	P001-CONCRETE001-01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		2
Q2646-03	FRAC TANK	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		3

RJ 7/23

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168969

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
PB168969TB	LEB969	N/A	N/A	N/A	N/A	N/A	N/A	4.94	N/A	N/A
Q2481-12	CC0627-AL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-13	CC0627-CLOXPL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-14	CC0625-OXBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-15	CC0627-AOXL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-16	CC0625-NL	N/A	N/A	N/A	N/A	N/A	N/A	10.0	N/A	N/A
Q2481-17	CC0267-OXPL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-18	CC0627-OXL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-19	CC0627-CLOXAL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-20	CC0627-BL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-21	CC0627-SFBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A

07/23/25
11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

07/21/25
11:30

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168919

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
PB168919TB	LEB919	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2622-04	2819	01	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2641-02	P001-CONCRETE001-01	02	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2645-03	RW5B-CARBON-20250716	03	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2649-04	WC-1	04	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2649-08	WC-2	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2649-12	WC-3	06	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2649-16	WC-4	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2649-20	WC-5	08	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2649-24	WC-6	09	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1

07/24/25 11:30

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

LAB CHRONICLE

OrderID:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**WATER**			**07/18/25**			**07/18/25**
			PCB	8082A		07/22/25	07/23/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP Herbicide	8151A		07/23/25	07/31/25	
			TCLP Pesticide	8081B		07/23/25	07/24/25	
Q2646-03RE	**FRAC TANKRE**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP Pesticide	8081B		07/23/25	07/31/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2646 **Order ID:** Q2646

Client: Environmental Restoration, LLC **Project ID:** North Arlington, NJ

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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	840 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
PO112405.D	1	07/22/25 12:05	07/23/25 01:27	PB168957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.12	U	0.12	0.60	ug/L
11104-28-2	Aroclor-1221	0.15	U	0.15	0.60	ug/L
11141-16-5	Aroclor-1232	0.11	U	0.11	0.60	ug/L
53469-21-9	Aroclor-1242	0.14	U	0.14	0.60	ug/L
12672-29-6	Aroclor-1248	0.085	U	0.085	0.60	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.60	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	0.60	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.60	ug/L
11096-82-5	Aroclor-1260	0.096	U	0.096	0.60	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		30 (30) - 150 (173)	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.51		30 (10) - 150 (173)	43%	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.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO112087.D	PIBLK-PO112087.D	Tetrachloro-m-xyl	1	20	19.4	97		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.8	94		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.3	97		70 (60)	130 (140)
I.BLK-PO112400.D	PIBLK-PO112400.D	Tetrachloro-m-xyl	1	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.5	88		70 (60)	130 (140)
PB168957BL	PB168957BL	Tetrachloro-m-xyl	1	20	22.9	114		30 (30)	150 (173)
		Decachlorobiphen	1	20	20.3	101		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	21.1	106		30 (30)	150 (173)
		Decachlorobiphen	2	20	19.4	97		30 (10)	150 (173)
PB168957BS	PB168957BS	Tetrachloro-m-xyl	1	20	23.9	119		30 (30)	150 (173)
		Decachlorobiphen	1	20	20.4	102		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	21.8	109		30 (30)	150 (173)
		Decachlorobiphen	2	20	19.5	98		30 (10)	150 (173)
PB168957BSD	PB168957BSD	Tetrachloro-m-xyl	1	20	25.2	126		30 (30)	150 (173)
		Decachlorobiphen	1	20	21.0	105		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	23.4	117		30 (30)	150 (173)
		Decachlorobiphen	2	20	20.2	101		30 (10)	150 (173)
Q2646-01	FRAC TANK	Tetrachloro-m-xyl	1	20	23.6	118		30 (30)	150 (173)
		Decachlorobiphen	1	20	7.24	36		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	14.7	74		30 (30)	150 (173)
		Decachlorobiphen	2	20	8.51	43		30 (10)	150 (173)
I.BLK-PO112411.D	PIBLK-PO112411.D	Tetrachloro-m-xyl	1	20	24.5	122		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.4	92		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	22.9	114		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.6	93		70 (60)	130 (140)

( ) = 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.: Q2646 **Analytical Method:** 8082A

Client: Environmental Restoration, LLC **Datafile :** PO112402.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168957BS (Column 1)	AR1016	5	4.80	ug/L	96				40 (77)	140 (107)	
	AR1260	5	4.20	ug/L	84				40 (66)	140 (113)	
PB168957BS (Column 2)	AR1016	5	4.40	ug/L	88				40 (77)	140 (107)	
	AR1260	5	4.20	ug/L	84				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.: Q2646 **Analytical Method:** 8082A

Client: Environmental Restoration, LLC **Datafile :** PO112403.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168957BSD (Column 1)	AR1016	5	5.10	ug/L	102	6			40 (77)	140 (107)	20 (20)
	AR1260	5	4.40	ug/L	88	5			40 (66)	140 (113)	20 (20)
PB168957BSD (Column 2)	AR1016	5	4.70	ug/L	94	7			40 (77)	140 (107)	20 (20)
	AR1260	5	4.50	ug/L	90	7			40 (66)	140 (113)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168957BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab Sample ID: PB168957BL | Lab File ID: PO112401.D

Matrix: (soil/water) WATER | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/22/2025

Date Analyzed (1): 07/23/2025 | Date Analyzed (2): 07/23/2025

Time Analyzed (1): 00:14 | Time Analyzed (2): 00:14

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168957BS	PB168957BS	PO112402.D	07/23/2025	07/23/2025
PB168957BSD	PB168957BSD	PO112403.D	07/23/2025	07/23/2025
FRAC TANK	Q2646-01	PO112405.D	07/23/2025	07/23/2025

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168957BL	SDG No.:	Q2646
Lab Sample ID:	PB168957BL	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
PO112401.D	1	07/22/25 12:05	07/23/25 00:14	PB168957

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	22.9		30 (30) - 150 (173)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		30 (10) - 150 (173)	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

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/08/25
Project:	North Arlington, NJ	Date Received:	07/08/25
Client Sample ID:	PIBLK-PO112087.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PO112087.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
PO112087.D	1		07/08/25	po070825

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	19.4		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		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:	Environmental Restoration, LLC	Date Collected:	07/22/25
Project:	North Arlington, NJ	Date Received:	07/22/25
Client Sample ID:	PIBLK-PO112400.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PO112400.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
PO112400.D	1		07/22/25	po072225

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	20.4		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		70 (60) - 130 (140)	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/23/25
Project:	North Arlington, NJ	Date Received:	07/23/25
Client Sample ID:	PIBLK-PO112411.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PO112411.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
PO112411.D	1		07/23/25	po072225

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	22.9		70 (60) - 130 (140)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		70 (60) - 130 (140)	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168957BS	SDG No.:	Q2646
Lab Sample ID:	PB168957BS	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
PO112402.D	1	07/22/25 12:05	07/23/25 00:32	PB168957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.80		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	4.20		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.9		30 (30) - 150 (173)	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		30 (10) - 150 (173)	102%	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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB168957BSD	SDG No.:	Q2646
Lab Sample ID:	PB168957BSD	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
PO112403.D	1	07/22/25 12:05	07/23/25 00:50	PB168957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.10		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	4.50		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.2		30 (30) - 150 (173)	126%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		30 (10) - 150 (173)	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_O **Calibration Date(s):** 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO112088.D RT 750 = PO112089.D

RT 500 = PO112090.D RT 250 = PO112091.D RT 050 = PO112092.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)	4.83	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1016-4	(4)	4.95	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
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)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.71	5.72	5.71	5.71	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.44	8.45	8.45	8.45	8.45	8.35	8.55

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_O **Calibration Date(s):** 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO112088.D RT 750 = PO112089.D

RT 500 = PO112090.D RT 250 = PO112091.D RT 050 = PO112092.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.76	4.74	4.74	4.75	4.65	4.85
Aroclor-1016-2	(2)	4.76	4.76	4.78	4.76	4.76	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.94	4.94	4.95	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	5.00	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.21	5.19	5.19	5.20	5.10	5.30
Aroclor-1260-1	(1)	6.22	6.22	6.24	6.22	6.22	6.22	6.12	6.32
Aroclor-1260-2	(2)	6.41	6.41	6.43	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.56	6.56	6.58	6.56	6.56	6.56	6.46	6.66
Aroclor-1260-4	(4)	7.03	7.03	7.05	7.03	7.03	7.03	6.93	7.13
Aroclor-1260-5	(5)	7.27	7.27	7.29	7.27	7.27	7.28	7.18	7.38
Decachlorobiphenyl		8.65	8.65	8.67	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.68	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.55	7.55	7.55	7.55	7.55	7.55	7.45	7.65
Aroclor-1268-2	(2)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-3	(3)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Aroclor-1268-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1268-5	(5)	8.40	8.40	8.40	8.40	8.40	8.40	8.30	8.50

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO112088.D CF 750 = PO112089.D
CF 500 = PO112090.D CF 250 = PO112091.D CF 050 = PO112092.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	360742355	353411084	358608078	351811628	276040300	340122689	11
Aroclor-1016-2	(2)	524757576	513734579	527286258	524874328	395805960	497291740	11
Aroclor-1016-3	(3)	332829086	325012079	334990372	341827996	283910480	323714003	7
Aroclor-1016-4	(4)	267114546	263557440	269039266	265481824	218804880	256799591	8
Aroclor-1016-5	(5)	281257689	272140703	280446704	285989380	248475020	273661899	5
Aroclor-1260-1	(1)	515263930	514045125	524528068	524922328	427435480	501238986	8
Aroclor-1260-2	(2)	755458656	751801572	763083688	740918324	679411120	738134672	5
Aroclor-1260-3	(3)	672764264	679771911	697132702	647584436	580156380	655481939	7
Aroclor-1260-4	(4)	428461498	442815881	457502760	461118372	386340060	435247714	7
Aroclor-1260-5	(5)	1355306152	1333629501	1317199750	1298892100	1007658700	1262537241	11
Decachlorobiphenyl		7091695750	7147123880	7182630500	7285420480	5478354000	6837044922	11
Tetrachloro-m-xylene		10813397260	10474815627	10513291260	10183518000	7488479400	9894700309	14
Aroclor-1242-1	(1)	285009923	305769684	302587940	302628584	252187260	289636678	8
Aroclor-1242-2	(2)	424985528	451558340	449561854	447967952	355524300	425919595	10
Aroclor-1242-3	(3)	267327438	285181779	287377204	288451804	240089600	273685565	8
Aroclor-1242-4	(4)	217524144	232173980	231748124	232379948	212764400	225318119	4
Aroclor-1242-5	(5)	218416651	232437525	224522496	231546684	151431360	211670943	16
Decachlorobiphenyl		6979969120	7147406973	7161879360	7131310800	5658336400	6815780531	10
Tetrachloro-m-xylene		10047633560	10752033107	10538404740	10524037960	8582543200	10088930513	9
Aroclor-1248-1	(1)	231871262	227298380	227625104	251373404	196330000	226899630	9
Aroclor-1248-2	(2)	312226784	305819339	307255800	349605332	266719220	308325295	10
Aroclor-1248-3	(3)	394903515	391569029	392918442	459601740	397606080	407319761	7
Aroclor-1248-4	(4)	577144829	572571723	575557162	615211088	545252760	577147512	4
Aroclor-1248-5	(5)	391149352	391468967	390698366	435680552	342525360	390304519	8
Decachlorobiphenyl		7164669710	7172590053	7258610400	7568481440	5849763800	7002823081	10
Tetrachloro-m-xylene		10966260810	10668995880	10533016680	11674212280	8664104600	10501318050	11
Aroclor-1254-1	(1)	596387386	615301855	615556214	631197528	617123200	615113237	2
Aroclor-1254-2	(2)	526620849	541456496	538329150	552782544	519240660	535685940	2
Aroclor-1254-3	(3)	832372124	848375105	844598876	861920200	810621920	839577645	2
Aroclor-1254-4	(4)	488348458	550588549	528046518	514011204	324098800	481018706	19
Aroclor-1254-5	(5)	772769124	785953607	791521408	805117428	714377600	773947833	5
Decachlorobiphenyl		7313218520	7363897040	7524909560	7619539480	6511414600	7266595840	6
Tetrachloro-m-xylene		10817495530	10970019693	10749863260	10915129200	9106609200	10511823377	8
Aroclor-1268-1	(1)	1933697823	1961714709	1933333182	1889919492	1468606580	1837454357	11

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1621310763	1652283559	1624883286	1597201648	1292350600	1557605971	10
Aroclor-1268-3	(3)	1337748865	1359325231	1351894922	1337301304	1112111800	1299676424	8
Aroclor-1268-4	(4)	501678112	499381901	514040784	510400332	376538760	480407978	12
Aroclor-1268-5	(5)	3474681887	3495352783	3443761070	3349732680	2555042300	3263714144	12
Decachlorobiphenyl		13779789610	14010961973	13831208240	13686235720	10617540000	13185147109	11
Tetrachloro-m-xylene		10828416470	10960168653	10714217600	10397619080	7773509600	10134786281	13

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO112088.D CF 750 = PO112089.D
CF 500 = PO112090.D CF 250 = PO112091.D CF 050 = PO112092.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	224689947	221197589	229855740	235435032	202993580	222834378	6
Aroclor-1016-2	(2)	333676696	332964816	340716574	344871116	293258760	329097592	6
Aroclor-1016-3	(3)	173220389	172286476	177510406	175323720	150993180	169866834	6
Aroclor-1016-4	(4)	133548654	134722825	140696304	141544972	135624760	137227503	3
Aroclor-1016-5	(5)	172958737	175867975	183374190	179483264	150567480	172450329	7
Aroclor-1260-1	(1)	273966572	275587577	284396370	318959696	249900320	280562107	9
Aroclor-1260-2	(2)	339471861	339883185	345098816	366340024	309189580	339996693	6
Aroclor-1260-3	(3)	285079531	283131084	293155536	294803628	221760800	275586116	11
Aroclor-1260-4	(4)	190320237	194370733	203166394	219087436	196280140	200644988	6
Aroclor-1260-5	(5)	439428363	448516680	455912584	483251276	411533840	447728549	6
Decachlorobiphenyl		1708564380	1754251880	1790007560	1862375960	1502102800	1723460516	8
Tetrachloro-m-xylene		6849689250	6688775747	6823852720	6660365320	4832613200	6371059247	14
Aroclor-1242-1	(1)	180558203	194276476	196154442	205920884	192381760	193858353	5
Aroclor-1242-2	(2)	267145812	285888559	288791934	297310352	277625120	283352355	4
Aroclor-1242-3	(3)	139388587	149896708	150012144	154353128	134735720	145677257	6
Aroclor-1242-4	(4)	132647733	142511831	143624204	149839712	140580100	141840716	4
Aroclor-1242-5	(5)	169256952	182077477	187071418	199409696	170855060	181734121	7
Decachlorobiphenyl		1694985930	1765973813	1799728340	1866433600	1579982000	1741420737	6
Tetrachloro-m-xylene		6408694870	6872035667	6730718280	6766792760	5539281400	6463504595	8
Aroclor-1248-1	(1)	148373409	146783767	149637550	173598112	153448100	154368188	7
Aroclor-1248-2	(2)	200165378	198242231	203122858	230241332	197066700	205767700	7
Aroclor-1248-3	(3)	210851108	208337667	212783398	242780584	199239520	214798455	8
Aroclor-1248-4	(4)	249491134	246252407	253519016	297759984	246611360	258726780	9
Aroclor-1248-5	(5)	244390847	243395885	250986596	299503676	214470400	250549481	12
Decachlorobiphenyl		1741004980	1773180160	1834926600	1999524800	1593214800	1788370268	8
Tetrachloro-m-xylene		6922029440	6722968493	6653358760	7457216520	5595884000	6670291443	10
Aroclor-1254-1	(1)	358701312	372366800	376618238	404921504	393233780	381168327	5
Aroclor-1254-2	(2)	309319461	318506233	325963420	350344944	354921460	331811104	6
Aroclor-1254-3	(3)	457035033	473473401	470706516	496812748	512186320	482042804	5
Aroclor-1254-4	(4)	242702235	264458053	264466114	273730492	258116740	260694727	4
Aroclor-1254-5	(5)	340856875	348898753	356048528	374047448	361929480	356356217	4
Decachlorobiphenyl		1762037980	1801047667	1852268780	1914979680	1705564000	1807179621	4
Tetrachloro-m-xylene		6812677640	6946187027	6790686340	6873927640	5937916200	6672278969	6
Aroclor-1268-1	(1)	486556055	496283868	499490630	514433332	460511800	491455137	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)	414074889	422901423	425132138	438633692	385189960	417186420	5
Aroclor-1268-3	(3)	309607188	317937561	322370012	335163612	296865480	316388771	5
Aroclor-1268-4	(4)	111375490	114260995	115590378	117536984	98796160	111512001	7
Aroclor-1268-5	(5)	736492551	750146037	748798464	755249104	641904560	726518143	7
Decachlorobiphenyl		3139191470	3230861547	3253774420	3306379000	2721463200	3130333927	8
Tetrachloro-m-xylene		6732535870	6829120120	6762174400	6573365120	5117275800	6402894262	11

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025

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	3.88	3.78	3.98	116614000
		2	3.97	3.87	4.07	78840600
		3	4.05	3.95	4.15	269582000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	214668000
		2	4.54	4.44	4.64	113637000
		3	4.78	4.68	4.88	229008000
		4	4.96	4.86	5.06	114297000
		5	5.00	4.90	5.10	73400200
Aroclor-1262	500	1	6.81	6.71	6.91	1021690000
		2	7.31	7.21	7.41	1639370000
		3	7.59	7.49	7.69	641976000
		4	7.66	7.56	7.76	1071430000
		5	8.15	8.05	8.25	448140000

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025

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	3.88	3.78	3.98	82295000
		2	3.96	3.86	4.06	59353600
		3	4.04	3.94	4.14	188777000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	150099000
		2	4.76	4.66	4.86	153086000
		3	4.94	4.84	5.04	75506000
		4	5.02	4.92	5.12	65988200
		5	5.19	5.09	5.29	74260000
Aroclor-1262	500	1	6.77	6.67	6.87	407320000
		2	7.27	7.17	7.37	512548000
		3	7.55	7.45	7.65	179524000
		4	7.62	7.52	7.72	290920000
		5	8.11	8.01	8.21	105784000

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 22:05 **Initial Calibration Time(s):** 14:06 22:16

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)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 22:05 **Initial Calibration Time(s):** 14:06 22:16

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)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112396.D **Time Analyzed:** 22:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.757	4.661	4.861	502.730	500.000	0.5
Aroclor-1016-2	4.776	4.680	4.880	503.830	500.000	0.8
Aroclor-1016-3	4.832	4.736	4.936	492.930	500.000	-1.4
Aroclor-1016-4	4.952	4.856	5.056	497.900	500.000	-0.4
Aroclor-1016-5	5.209	5.113	5.313	543.660	500.000	8.7
Aroclor-1260-1	6.246	6.151	6.351	475.920	500.000	-4.8
Aroclor-1260-2	6.436	6.341	6.541	482.330	500.000	-3.5
Aroclor-1260-3	6.802	6.707	6.907	482.820	500.000	-3.4
Aroclor-1260-4	7.061	6.967	7.167	499.400	500.000	-0.1
Aroclor-1260-5	7.304	7.209	7.409	492.720	500.000	-1.5
Decachlorobiphenyl	8.695	8.603	8.803	49.860	50.000	-0.3
Tetrachloro-m-xylene	3.670	3.573	3.773	54.520	50.000	9.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112396.D **Time Analyzed:** 22:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.738	4.661	4.861	430.080	500.000	-14.0
Aroclor-1016-2	4.756	4.679	4.879	458.520	500.000	-8.3
Aroclor-1016-3	4.931	4.854	5.054	457.570	500.000	-8.5
Aroclor-1016-4	4.974	4.897	5.097	451.460	500.000	-9.7
Aroclor-1016-5	5.186	5.109	5.309	500.960	500.000	0.2
Aroclor-1260-1	6.215	6.138	6.338	467.980	500.000	-6.4
Aroclor-1260-2	6.403	6.326	6.526	489.800	500.000	-2.0
Aroclor-1260-3	6.554	6.478	6.678	483.920	500.000	-3.2
Aroclor-1260-4	7.024	6.948	7.148	454.700	500.000	-9.1
Aroclor-1260-5	7.266	7.190	7.390	472.510	500.000	-5.5
Decachlorobiphenyl	8.642	8.568	8.768	46.870	50.000	-6.3
Tetrachloro-m-xylene	3.663	3.584	3.784	49.510	50.000	-1.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 04:12 **Initial Calibration Time(s):** 14:06 22:16

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)	4.75	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)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.44	6.34	6.54	0.01
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.69	8.70	8.60	8.80	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 04:12 **Initial Calibration Time(s):** 14:06 22:16

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)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.75	4.78	4.68	4.88	0.03
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.18	5.21	5.11	5.31	0.03
Aroclor-1260-1	(1)	6.21	6.24	6.14	6.34	0.03
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.26	7.29	7.19	7.39	0.03
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112410.D **Time Analyzed:** 04:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.753	4.661	4.861	510.700	500.000	2.1
Aroclor-1016-2	4.772	4.680	4.880	515.460	500.000	3.1
Aroclor-1016-3	4.829	4.736	4.936	513.700	500.000	2.7
Aroclor-1016-4	4.949	4.856	5.056	527.620	500.000	5.5
Aroclor-1016-5	5.206	5.113	5.313	433.090	500.000	-13.4
Aroclor-1260-1	6.243	6.151	6.351	437.650	500.000	-12.5
Aroclor-1260-2	6.432	6.341	6.541	464.600	500.000	-7.1
Aroclor-1260-3	6.798	6.707	6.907	415.110	500.000	-17.0
Aroclor-1260-4	7.058	6.967	7.167	441.550	500.000	-11.7
Aroclor-1260-5	7.300	7.209	7.409	415.340	500.000	-16.9
Decachlorobiphenyl	8.692	8.603	8.803	38.770	50.000	-22.5
Tetrachloro-m-xylene	3.668	3.573	3.773	54.490	50.000	9.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112410.D **Time Analyzed:** 04:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.736	4.661	4.861	466.220	500.000	-6.8
Aroclor-1016-2	4.754	4.679	4.879	467.910	500.000	-6.4
Aroclor-1016-3	4.929	4.854	5.054	481.890	500.000	-3.6
Aroclor-1016-4	4.974	4.897	5.097	357.030	500.000	-28.6
Aroclor-1016-5	5.184	5.109	5.309	447.580	500.000	-10.5
Aroclor-1260-1	6.212	6.138	6.338	438.580	500.000	-12.3
Aroclor-1260-2	6.400	6.326	6.526	485.090	500.000	-3.0
Aroclor-1260-3	6.552	6.478	6.678	448.230	500.000	-10.4
Aroclor-1260-4	7.022	6.948	7.148	406.170	500.000	-18.8
Aroclor-1260-5	7.264	7.190	7.390	393.210	500.000	-21.4
Decachlorobiphenyl	8.639	8.568	8.768	39.000	50.000	-22.0
Tetrachloro-m-xylene	3.662	3.584	3.784	50.260	50.000	0.5

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/08/2025 07/08/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/08/2025	13:49	PO112087.D	8.70	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.70	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.70	3.67
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.70	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.70	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.70	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.70	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.70	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.70	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.70	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.70	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.70	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.70	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.70	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.70	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.70	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.70	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.70	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.70	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.70	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	22:05	PO112396.D	8.70	3.67
I.BLK	I.BLK	07/22/2025	23:55	PO112400.D	8.70	3.67
PB168957BL	PB168957BL	07/23/2025	00:14	PO112401.D	8.70	3.67
PB168957BS	PB168957BS	07/23/2025	00:32	PO112402.D	8.70	3.67
PB168957BSD	PB168957BSD	07/23/2025	00:50	PO112403.D	8.69	3.67
FRAC TANK	Q2646-01	07/23/2025	01:27	PO112405.D	8.69	3.67
AR1660CCC500	AR1660CCC500	07/23/2025	04:12	PO112410.D	8.69	3.67
I.BLK	I.BLK	07/23/2025	05:43	PO112411.D	8.69	3.67

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/08/2025 07/08/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/08/2025	13:49	PO112087.D	8.65	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.65	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.65	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.67	3.68
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.65	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.65	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.65	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.65	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.65	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.65	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.65	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.65	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.65	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.65	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.65	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.65	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.65	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.65	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.65	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.65	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.65	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.65	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.65	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.65	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.65	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.65	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.65	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.65	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	22:05	PO112396.D	8.64	3.66
I.BLK	I.BLK	07/22/2025	23:55	PO112400.D	8.64	3.66
PB168957BL	PB168957BL	07/23/2025	00:14	PO112401.D	8.64	3.66
PB168957BS	PB168957BS	07/23/2025	00:32	PO112402.D	8.64	3.66
PB168957BSD	PB168957BSD	07/23/2025	00:50	PO112403.D	8.64	3.66
FRAC TANK	Q2646-01	07/23/2025	01:27	PO112405.D	8.64	3.66
AR1660CCC500	AR1660CCC500	07/23/2025	04:12	PO112410.D	8.64	3.66
I.BLK	I.BLK	07/23/2025	05:43	PO112411.D	8.64	3.66

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168957BS

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab Sample ID: PB168957BS Date(s) Analyzed: 07/23/2025 07/23/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO112402.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.756	4.706	4.806	4.88		
	2	4.775	4.725	4.825	4.94		
	3	4.831	4.781	4.881	4.77		
COLUMN 1	4	4.952	4.902	5.002	4.88		
	5	5.208	5.158	5.258	4.57	4.80	
	1	4.737	4.687	4.787	4.27		
	2	4.756	4.706	4.806	4.43		
	3	4.931	4.881	4.981	4.53		
	4	4.973	4.923	5.023	4.48		
COLUMN 2	5	5.185	5.135	5.235	4.48	4.40	8.7
Aroclor-1260	1	6.245	6.195	6.295	4.59		
	2	6.435	6.385	6.485	4.51		
	3	6.801	6.751	6.851	3.81		
COLUMN 1	4	7.06	7.01	7.11	4.17		
	5	7.303	7.253	7.353	3.83	4.20	
	1	6.214	6.164	6.264	4.58		
	2	6.402	6.352	6.452	4.59		
	3	6.553	6.503	6.603	4.60		
	4	7.023	6.973	7.073	3.77		
COLUMN 2	5	7.265	7.215	7.315	3.56	4.20	0

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168957BSD

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab Sample ID: PB168957BSD Date(s) Analyzed: 07/23/2025 07/23/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO112403.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.756	4.706	4.806	5.21		
	2	4.775	4.725	4.825	5.30		
	3	4.832	4.782	4.882	5.12		
COLUMN 1	4	4.952	4.902	5.002	5.19		
	5	5.209	5.159	5.259	4.91	5.10	
	1	4.738	4.688	4.788	4.73		
	2	4.756	4.706	4.806	4.61		
	3	4.931	4.881	4.981	4.83		
	4	4.974	4.924	5.024	4.74		
COLUMN 2	5	5.185	5.135	5.235	4.74	4.70	8.16
Aroclor-1260	1	6.245	6.195	6.295	4.91		
	2	6.435	6.385	6.485	4.81		
	3	6.801	6.751	6.851	4.05		
COLUMN 1	4	7.06	7.01	7.11	4.43		
	5	7.304	7.254	7.354	4.04	4.40	
	1	6.214	6.164	6.264	4.89		
	2	6.402	6.352	6.452	4.89		
	3	6.554	6.504	6.604	4.97		
	4	7.023	6.973	7.073	3.94		
COLUMN 2	5	7.265	7.215	7.315	3.81	4.50	2.25

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 01:27
Operator : YP/AJ
Sample : Q2646-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
FRAC TANK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:31:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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...	3.673	3.664	233.6E6	93843944	23.607m	14.730m#
2)	SA Decachlor...	8.693	8.639	49513711	14669019	7.242	8.511m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

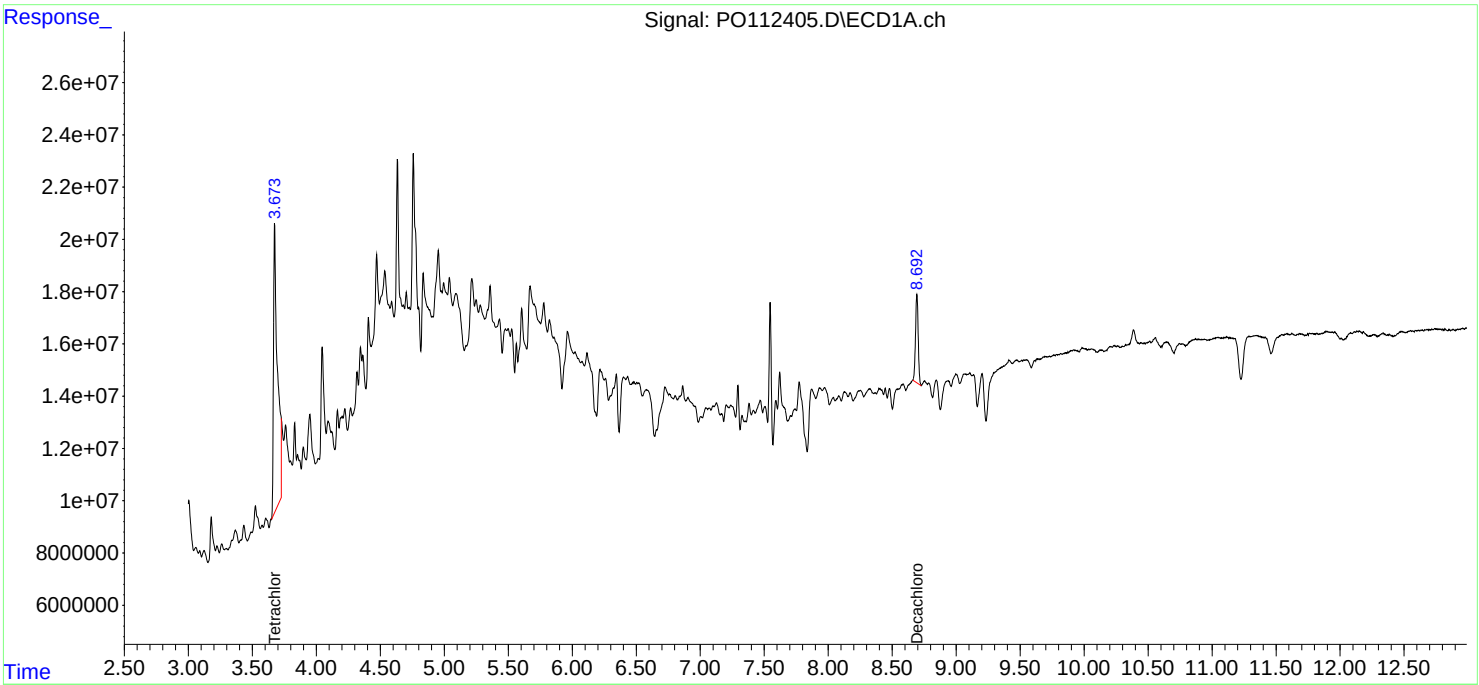
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 01:27
Operator : YP/AJ
Sample : Q2646-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

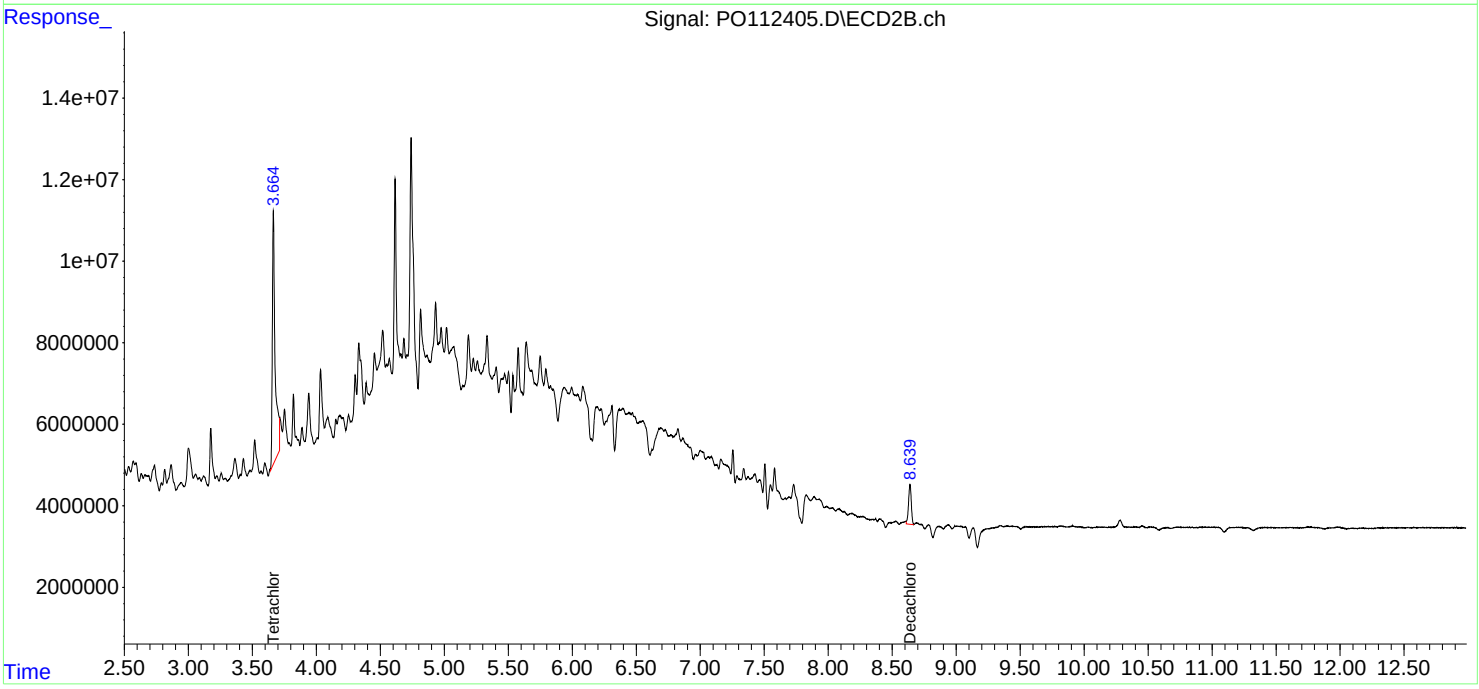
Instrument :
ECD_O
ClientSampleId :
FRAC TANK

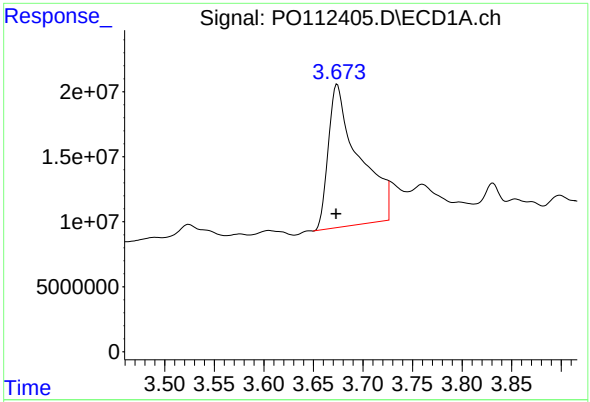
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:31:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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







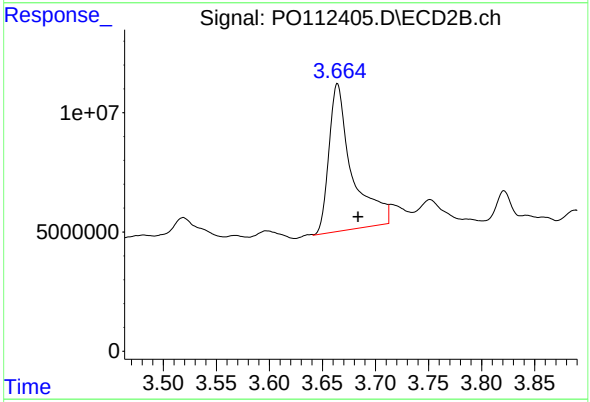
#1 Tetrachloro-m-xylene

R.T.: 3.673 min
Delta R.T.: 0.000 min
Response: 233585087
Conc: 23.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
FRAC TANK

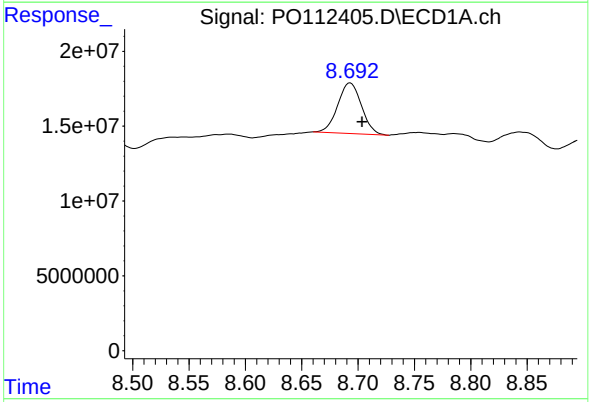
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



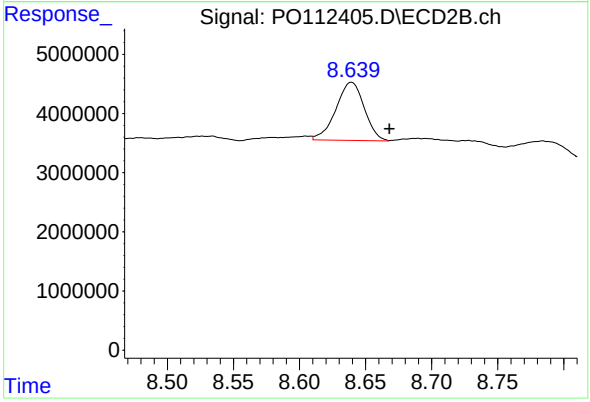
#1 Tetrachloro-m-xylene

R.T.: 3.664 min
Delta R.T.: -0.020 min
Response: 93843944
Conc: 14.73 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.693 min
Delta R.T.: -0.010 min
Response: 49513711
Conc: 7.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: -0.029 min
Response: 14669019
Conc: 8.51 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:14
Operator : YP/AJ
Sample : PB168957BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168957BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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...	3.670	3.663	226.5E6	134.7E6	22.891	21.139
2)	SA Decachlor...	8.695	8.641	138.7E6	33505442	20.282	19.441m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

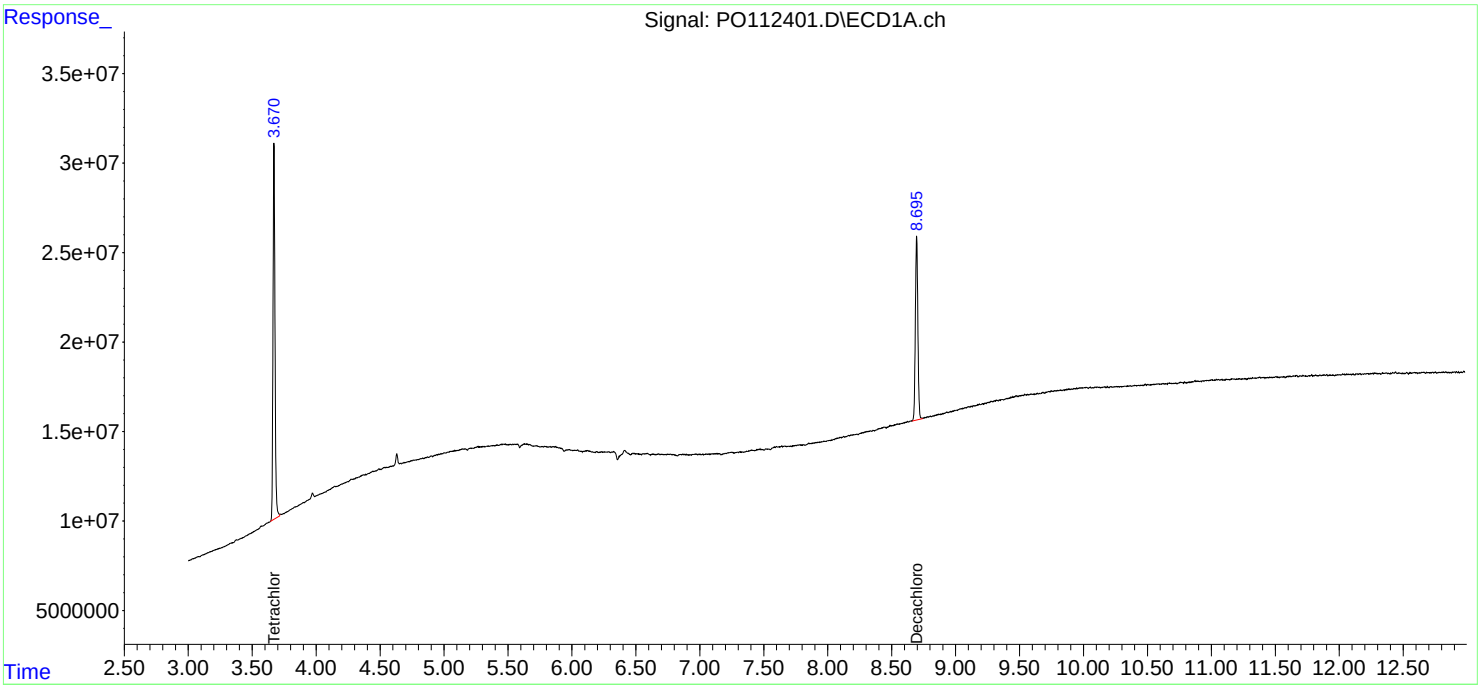
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:14
Operator : YP/AJ
Sample : PB168957BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

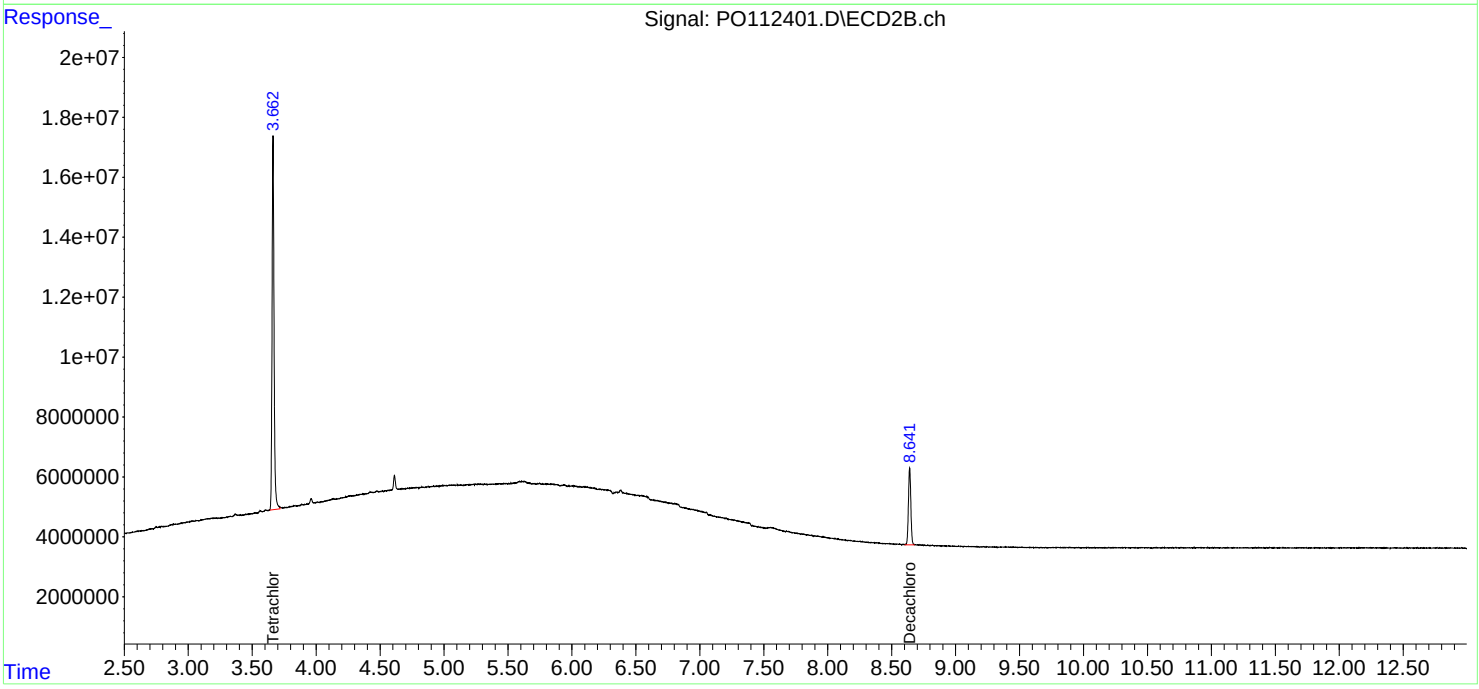
Instrument :
ECD_O
ClientSampleId :
PB168957BL

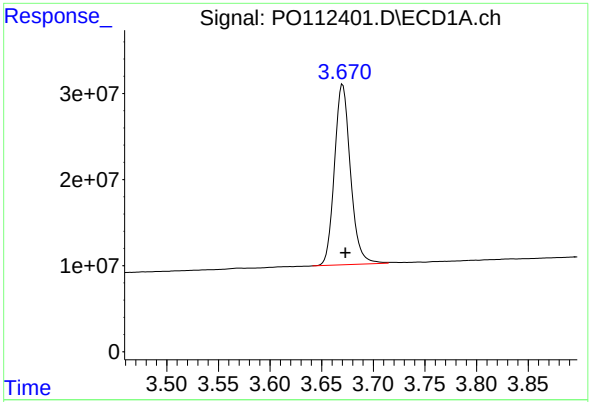
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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







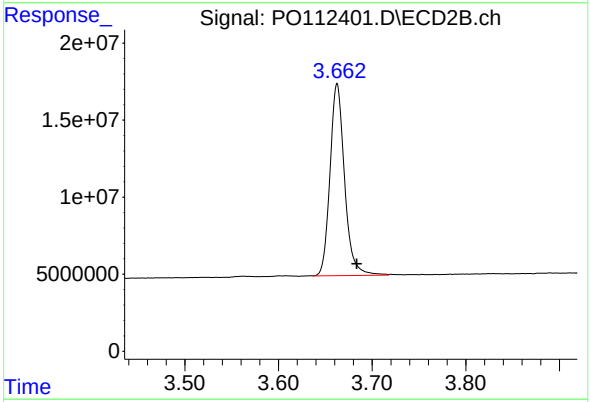
#1 Tetrachloro-m-xylene

R.T.: 3.670 min
Delta R.T.: -0.003 min
Response: 226500473
Conc: 22.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB168957BL

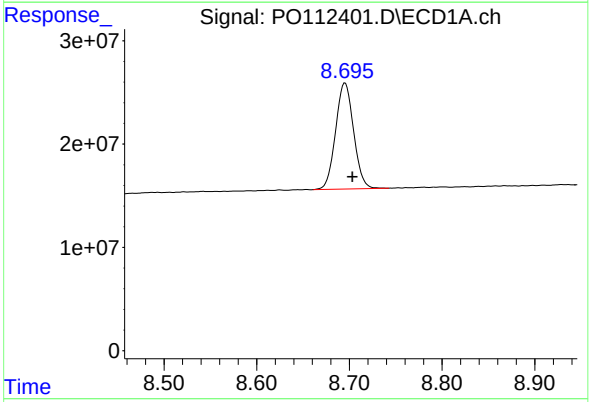
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



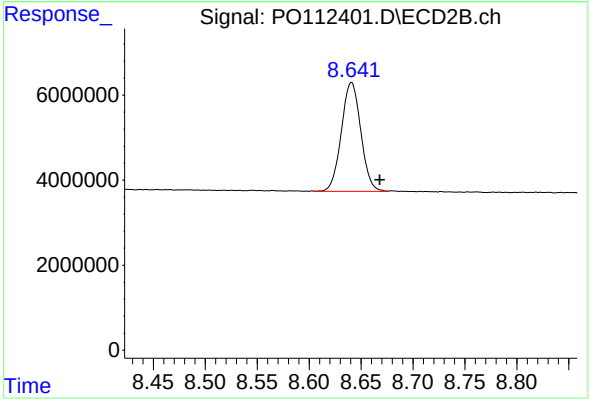
#1 Tetrachloro-m-xylene

R.T.: 3.663 min
Delta R.T.: -0.021 min
Response: 134680146
Conc: 21.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.008 min
Response: 138666113
Conc: 20.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: -0.027 min
Response: 33505442
Conc: 19.44 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:32
Operator : YP/AJ
Sample : PB168957BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168957BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 02:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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...	3.670	3.662	236.1E6	138.6E6	23.857	21.760m
2)	SA Decachlor...	8.696	8.642	139.2E6	33660504	20.354	19.531
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.737	165.9E6	95256652	487.679	427.477m
4)	L1 AR-1016-2	4.775	4.756	245.8E6	145.7E6	494.368	442.666m
5)	L1 AR-1016-3	4.831	4.931	154.4E6	76944047	476.841	452.967m
6)	L1 AR-1016-4	4.952	4.973	125.4E6	61494347	488.173	448.120m
7)	L1 AR-1016-5	5.208	5.185	125.0E6	77228910	456.659	447.833m
31)	L7 AR-1260-1	6.245	6.214	230.0E6	128.5E6	458.926	458.135
32)	L7 AR-1260-2	6.435	6.402	332.7E6	156.2E6	450.720	459.361
33)	L7 AR-1260-3	6.801	6.553	250.0E6	126.7E6	381.394	459.667m
34)	L7 AR-1260-4	7.060	7.023	181.7E6	75714560	417.363	377.356m
35)	L7 AR-1260-5	7.303	7.265	483.4E6	159.3E6	382.888	355.735

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

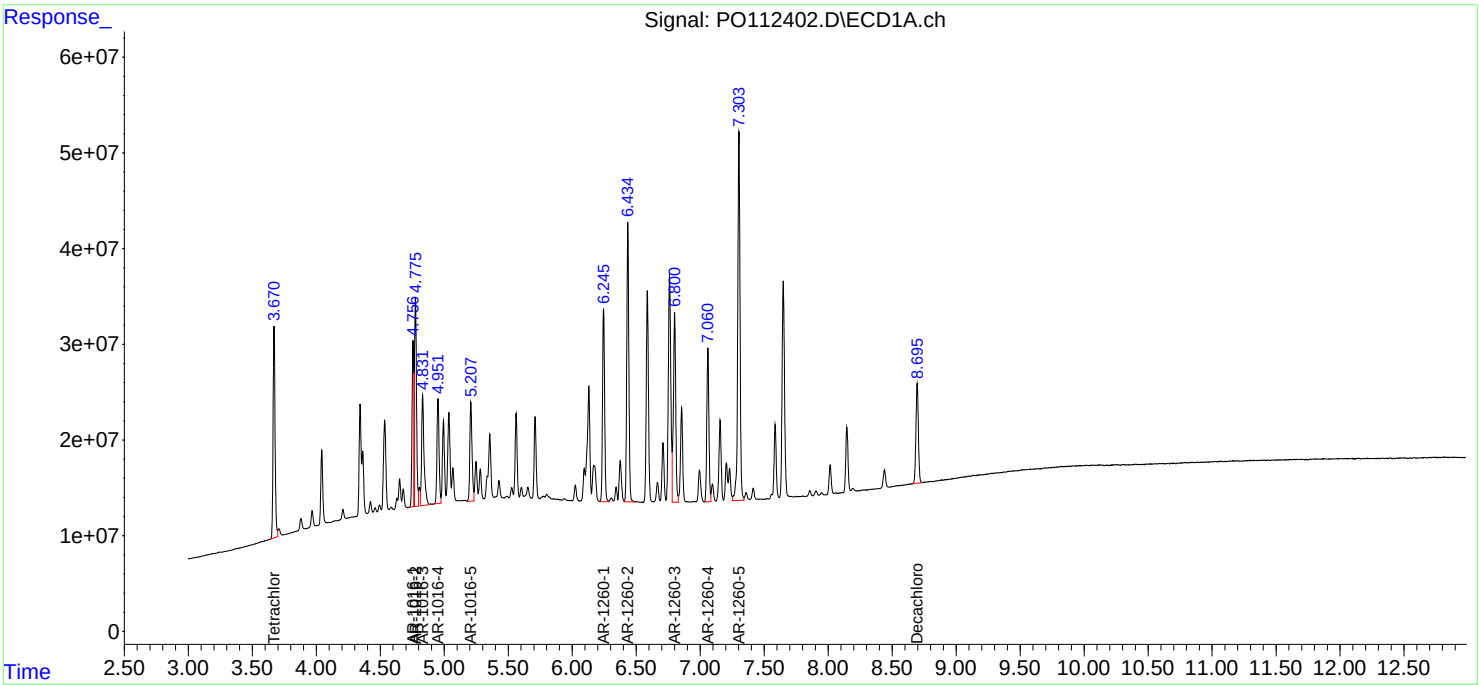
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:32
Operator : YP/AJ
Sample : PB168957BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

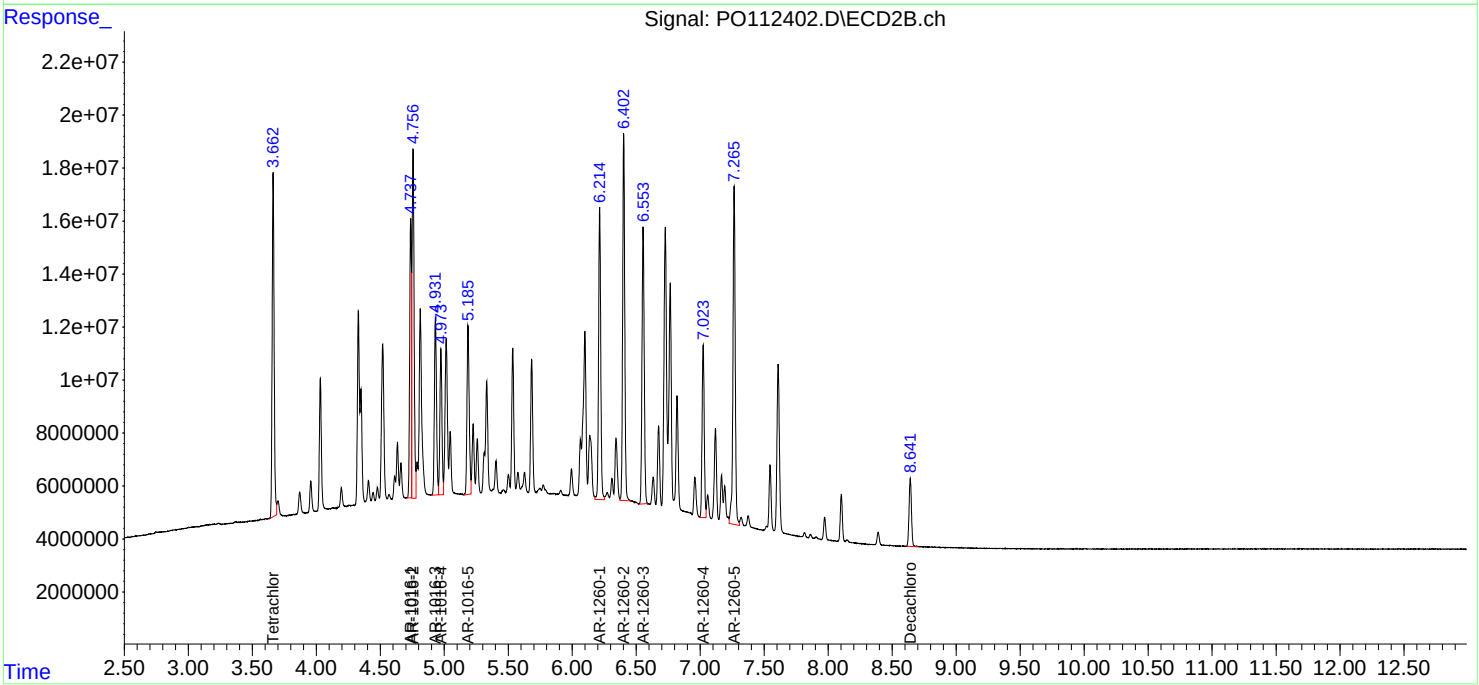
Instrument :
ECD_O
ClientSampleId :
PB168957BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 02:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:50
Operator : YP/AJ
Sample : PB168957BSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168957BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 02:00:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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...	3.670	3.662	249.2E6	149.2E6	25.186	23.417m
2)	SA Decachlor...	8.694	8.641	143.6E6	34837314	21.007	20.214m
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.738	177.1E6	105.3E6	520.683	472.762m
4)	L1 AR-1016-2	4.775	4.756	263.6E6	151.6E6	530.062	460.663m
5)	L1 AR-1016-3	4.832	4.931	165.8E6	82011445	512.290	482.798m
6)	L1 AR-1016-4	4.952	4.974	133.2E6	65102659	518.786	474.414m
7)	L1 AR-1016-5	5.209	5.185	134.4E6	81727587	491.019	473.920m
31)	L7 AR-1260-1	6.245	6.214	246.2E6	137.3E6	491.207	489.360
32)	L7 AR-1260-2	6.435	6.402	355.4E6	166.4E6	481.465	489.377
33)	L7 AR-1260-3	6.801	6.554	265.8E6	137.0E6	405.476	497.057m
34)	L7 AR-1260-4	7.060	7.023	192.7E6	79083807	442.625	394.148m
35)	L7 AR-1260-5	7.304	7.265	509.9E6	170.7E6	403.859	381.257

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

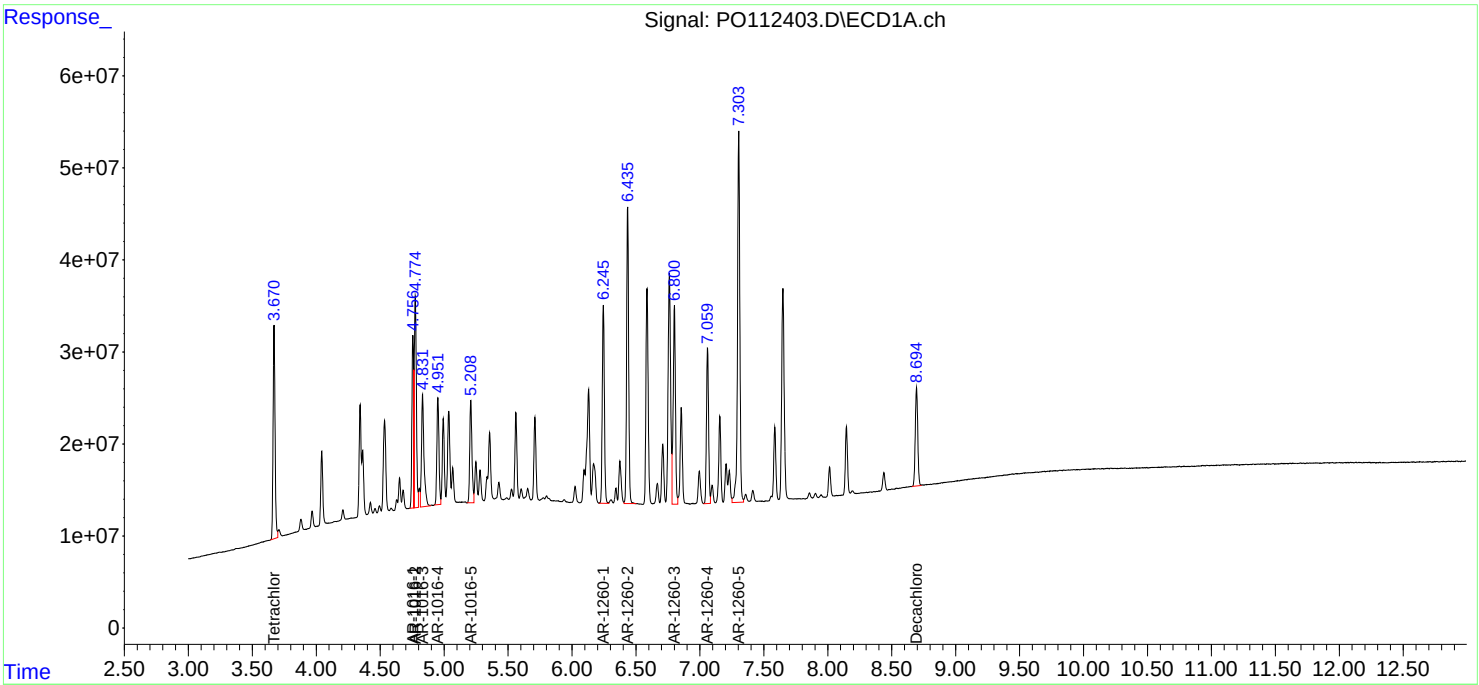
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 00:50
Operator : YP/AJ
Sample : PB168957BSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

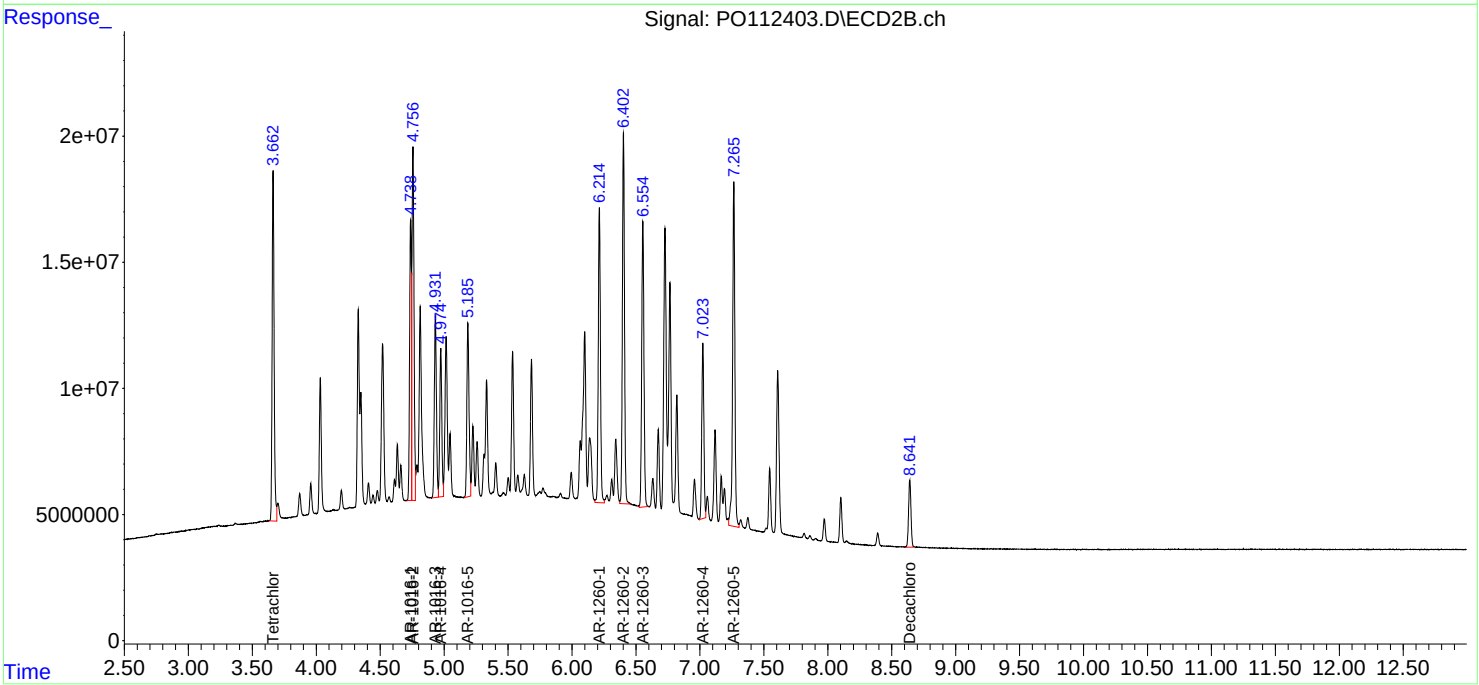
Instrument :
ECD_O
ClientSampleId :
PB168957BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 02:00:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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:	po070825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PO112088.D	AR-1016-3 #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Tetrachloro-m-xylene	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-3 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-4 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-5 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Tetrachloro-m-xylene	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-1	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po070825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO112091.D	AR-1260-2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-3	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-4	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-5	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1016-5	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-1	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-1 #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-2 #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po070825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO112099.D	AR-1242-5	yogesh	7/9/2025 7:27:26 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1242ICC050	PO112099.D	AR-1242-5 #2	yogesh	7/9/2025 7:27:26 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1248ICC050	PO112104.D	AR-1248-4 #2	yogesh	7/9/2025 7:27:28 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1248ICC050	PO112104.D	AR-1248-5 #2	yogesh	7/9/2025 7:27:28 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-1 #2	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-2 #2	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-4	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC1000	PO112111.D	AR-1268-4	yogesh	7/9/2025 7:27:32 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC050	PO112115.D	AR-1268-1	yogesh	7/9/2025 7:27:33 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC050	PO112115.D	AR-1268-3	yogesh	7/9/2025 7:27:33 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1016-1 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1016-2 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po070825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PO070825ICV500	PO112116.D	AR-1260-4 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112366.D	AR-1016-1 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-2 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-3 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-4 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-5 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1260-3 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1260-4 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112367.D	AR-1242-1 #2	yogesh	7/23/2025 8:13:46 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112368.D	AR-1248-1 #2	yogesh	7/23/2025 8:13:48 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112369.D	AR-1254-1	yogesh	7/23/2025 8:13:49 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-1 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-2 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112381.D	AR-1016-3 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-4 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-5 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1260-3 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1260-4 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112382.D	AR-1242-1 #2	yogesh	7/23/2025 11:47:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112382.D	AR-1242-2 #2	yogesh	7/23/2025 11:47:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112383.D	AR-1248-1 #2	yogesh	7/23/2025 11:47:16 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112384.D	AR-1254-1	yogesh	7/23/2025 11:47:14 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112384.D	AR-1254-4	yogesh	7/23/2025 11:47:14 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-1 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-2 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-3 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	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:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112396.D	AR-1016-4 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-5 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1260-3 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1260-4 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-1 #2	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-2 #2	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-5	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	Tetrachloro-m-xylene	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112398.D	AR-1248-1 #2	yogesh	7/23/2025 11:46:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112399.D	AR-1254-1	yogesh	7/23/2025 8:32:44 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112399.D	AR-1254-2	yogesh	7/23/2025 8:32:44 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
I.BLK	PO112400.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:32:46 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BL	PO112401.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:32:48 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168957BS	PO112402.D	AR-1016-1 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1016-2 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1016-3 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1016-4 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1016-5 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1260-3 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	AR-1260-4 #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BS	PO112402.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 11:46:15 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1016-1 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1016-2 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1016-3 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1016-4 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1016-5 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168957BSD	PO112403.D	AR-1260-3 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	AR-1260-4 #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	Decachlorobiphenyl #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168957BSD	PO112403.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 11:46:13 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2646-01	PO112405.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:33:00 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2646-01	PO112405.D	Tetrachloro-m-xylene	yogesh	7/23/2025 8:33:00 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2646-01	PO112405.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 8:33:00 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-1 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-2 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-3 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-4 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-5	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-5 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

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

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112410.D	AR-1260-1 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-2 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-3 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-4 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
I.BLK	PO112411.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:33:10 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM		
SubDirectory	PO070825	HP Acquire Method		HP Processing Method	PO070825

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	PO112086.D	08 Jul 2025 13:32	YP/AJ	Ok
2	I.BLK	PO112087.D	08 Jul 2025 13:49	YP/AJ	Ok
3	AR1660ICC1000	PO112088.D	08 Jul 2025 14:06	YP/AJ	Ok,M
4	AR1660ICC750	PO112089.D	08 Jul 2025 14:25	YP/AJ	Ok,M
5	AR1660ICC500	PO112090.D	08 Jul 2025 14:43	YP/AJ	Ok
6	AR1660ICC250	PO112091.D	08 Jul 2025 15:02	YP/AJ	Ok,M
7	AR1660ICC050	PO112092.D	08 Jul 2025 15:21	YP/AJ	Ok,M
8	AR1221ICC500	PO112093.D	08 Jul 2025 15:38	YP/AJ	Ok
9	AR1232ICC500	PO112094.D	08 Jul 2025 15:57	YP/AJ	Ok
10	AR1242ICC1000	PO112095.D	08 Jul 2025 16:15	YP/AJ	Ok
11	AR1242ICC750	PO112096.D	08 Jul 2025 16:34	YP/AJ	Ok
12	AR1242ICC500	PO112097.D	08 Jul 2025 16:52	YP/AJ	Ok
13	AR1242ICC250	PO112098.D	08 Jul 2025 17:11	YP/AJ	Ok
14	AR1242ICC050	PO112099.D	08 Jul 2025 17:29	YP/AJ	Ok,M
15	AR1248ICC1000	PO112100.D	08 Jul 2025 17:48	YP/AJ	Ok
16	AR1248ICC750	PO112101.D	08 Jul 2025 18:05	YP/AJ	Ok
17	AR1248ICC500	PO112102.D	08 Jul 2025 18:24	YP/AJ	Ok
18	AR1248ICC250	PO112103.D	08 Jul 2025 18:41	YP/AJ	Ok
19	AR1248ICC050	PO112104.D	08 Jul 2025 18:59	YP/AJ	Ok,M
20	AR1254ICC1000	PO112105.D	08 Jul 2025 19:18	YP/AJ	Ok
21	AR1254ICC750	PO112106.D	08 Jul 2025 19:35	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 # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM		
SubDirectory	PO070825	HP Acquire Method		HP Processing Method	PO070825

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	PO112107.D	08 Jul 2025 19:54	YP/AJ	Ok
23	AR1254ICC250	PO112108.D	08 Jul 2025 20:11	YP/AJ	Ok
24	AR1254ICC050	PO112109.D	08 Jul 2025 20:28	YP/AJ	Ok,M
25	AR1262ICC500	PO112110.D	08 Jul 2025 20:47	YP/AJ	Ok
26	AR1268ICC1000	PO112111.D	08 Jul 2025 21:04	YP/AJ	Ok,M
27	AR1268ICC750	PO112112.D	08 Jul 2025 21:22	YP/AJ	Ok
28	AR1268ICC500	PO112113.D	08 Jul 2025 21:39	YP/AJ	Ok
29	AR1268ICC250	PO112114.D	08 Jul 2025 21:57	YP/AJ	Ok
30	AR1268ICC050	PO112115.D	08 Jul 2025 22:16	YP/AJ	Ok,M
31	PO070825ICV500	PO112116.D	08 Jul 2025 22:34	YP/AJ	Ok,M
32	AR1242ICV500	PO112117.D	08 Jul 2025 23:11	YP/AJ	Ok
33	AR1248ICV500	PO112118.D	08 Jul 2025 23:47	YP/AJ	Ok
34	AR1254ICV500	PO112119.D	09 Jul 2025 00:24	YP/AJ	Ok
35	AR1268ICV500	PO112120.D	09 Jul 2025 01:01	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 # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	PO112365.D	22 Jul 2025 08:18	YP/AJ	Ok
2	AR1660CCC500	PO112366.D	22 Jul 2025 08:57	YP/AJ	Ok,M
3	AR1242CCC500	PO112367.D	22 Jul 2025 09:15	YP/AJ	Ok,M
4	AR1248CCC500	PO112368.D	22 Jul 2025 09:32	YP/AJ	Ok,M
5	AR1254CCC500	PO112369.D	22 Jul 2025 09:49	YP/AJ	Ok,M
6	I.BLK	PO112370.D	22 Jul 2025 10:08	YP/AJ	Ok
7	DDT ANALOG	PO112371.D	22 Jul 2025 10:26	YP/AJ	Ok
8	Q2639-09	PO112372.D	22 Jul 2025 11:08	YP/AJ	Ok
9	Q2639-11	PO112373.D	22 Jul 2025 11:26	YP/AJ	Ok,M
10	Q2639-13	PO112374.D	22 Jul 2025 11:44	YP/AJ	Ok
11	PB168946BL	PO112375.D	22 Jul 2025 13:35	YP/AJ	Ok
12	PB168946BS	PO112376.D	22 Jul 2025 13:53	YP/AJ	Ok,M
13	Q2645-02RX	PO112377.D	22 Jul 2025 14:12	YP/AJ	Confirms
14	Q2649-01	PO112378.D	22 Jul 2025 14:30	YP/AJ	Ok
15	Q2649-01MS	PO112379.D	22 Jul 2025 14:48	YP/AJ	Ok,M
16	Q2649-01MSD	PO112380.D	22 Jul 2025 15:07	YP/AJ	Ok,M
17	AR1660CCC500	PO112381.D	22 Jul 2025 16:21	YP/AJ	Ok,M
18	AR1242CCC500	PO112382.D	22 Jul 2025 16:39	YP/AJ	Ok,M
19	AR1248CCC500	PO112383.D	22 Jul 2025 16:56	YP/AJ	Ok,M
20	AR1254CCC500	PO112384.D	22 Jul 2025 17:14	YP/AJ	Ok,M
21	I.BLK	PO112385.D	22 Jul 2025 17:32	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 # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	Q2670-01	PO112386.D	22 Jul 2025 17:49	YP/AJ	Ok,M
23	Q2670-02	PO112387.D	22 Jul 2025 18:08	YP/AJ	Ok,M
24	Q2670-03	PO112388.D	22 Jul 2025 18:25	YP/AJ	Ok,M
25	Q2670-04	PO112389.D	22 Jul 2025 18:44	YP/AJ	Ok,M
26	Q2670-05	PO112390.D	22 Jul 2025 19:02	YP/AJ	Ok,M
27	Q2670-06	PO112391.D	22 Jul 2025 19:20	YP/AJ	Ok,M
28	Q2670-07	PO112392.D	22 Jul 2025 19:39	YP/AJ	Ok,M
29	Q2670-08	PO112393.D	22 Jul 2025 19:57	YP/AJ	Ok,M
30	PB168958BL	PO112394.D	22 Jul 2025 20:34	YP/AJ	Ok,M
31	PB168958BS	PO112395.D	22 Jul 2025 20:52	YP/AJ	Ok,M
32	AR1660CCC500	PO112396.D	22 Jul 2025 22:05	YP/AJ	Ok,M
33	AR1242CCC500	PO112397.D	22 Jul 2025 23:00	YP/AJ	Ok,M
34	AR1248CCC500	PO112398.D	22 Jul 2025 23:18	YP/AJ	Ok,M
35	AR1254CCC500	PO112399.D	22 Jul 2025 23:37	YP/AJ	Ok,M
36	I.BLK	PO112400.D	22 Jul 2025 23:55	YP/AJ	Ok,M
37	PB168957BL	PO112401.D	23 Jul 2025 00:14	YP/AJ	Ok,M
38	PB168957BS	PO112402.D	23 Jul 2025 00:32	YP/AJ	Ok,M
39	PB168957BSD	PO112403.D	23 Jul 2025 00:50	YP/AJ	Ok,M
40	Q2640-01	PO112404.D	23 Jul 2025 01:09	YP/AJ	Ok,M
41	Q2646-01	PO112405.D	23 Jul 2025 01:27	YP/AJ	Ok,M
42	Q2655-03	PO112406.D	23 Jul 2025 01:46	YP/AJ	Ok,M
43	Q2655-04	PO112407.D	23 Jul 2025 02:04	YP/AJ	Ok
44	Q2657-01	PO112408.D	23 Jul 2025 02:22	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 # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	Q2660-05	PO112409.D	23 Jul 2025 02:41	YP/AJ	Ok,M
46	AR1660CCC500	PO112410.D	23 Jul 2025 04:12	YP/AJ	Ok,M
47	I.BLK	PO112411.D	23 Jul 2025 05:43	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 # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM		
SubDirectory	PO070825	HP Acquire Method		HP Processing Method	PO070825

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	PO112086.D	08 Jul 2025 13:32		YP/AJ	Ok
2	I.BLK	I.BLK	PO112087.D	08 Jul 2025 13:49		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO112088.D	08 Jul 2025 14:06		YP/AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PO112089.D	08 Jul 2025 14:25		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO112090.D	08 Jul 2025 14:43		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO112091.D	08 Jul 2025 15:02		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO112092.D	08 Jul 2025 15:21		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO112093.D	08 Jul 2025 15:38		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO112094.D	08 Jul 2025 15:57		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO112095.D	08 Jul 2025 16:15		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO112096.D	08 Jul 2025 16:34		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO112097.D	08 Jul 2025 16:52		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO112098.D	08 Jul 2025 17:11		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO112099.D	08 Jul 2025 17:29		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO112100.D	08 Jul 2025 17:48		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO112101.D	08 Jul 2025 18:05		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO112102.D	08 Jul 2025 18:24		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO112103.D	08 Jul 2025 18:41		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 # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM		
SubDirectory	PO070825	HP Acquire Method		HP Processing Method	PO070825

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	PO112104.D	08 Jul 2025 18:59		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO112105.D	08 Jul 2025 19:18		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO112106.D	08 Jul 2025 19:35		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO112107.D	08 Jul 2025 19:54		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO112108.D	08 Jul 2025 20:11		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO112109.D	08 Jul 2025 20:28		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO112110.D	08 Jul 2025 20:47		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO112111.D	08 Jul 2025 21:04		YP/AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PO112112.D	08 Jul 2025 21:22		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO112113.D	08 Jul 2025 21:39		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO112114.D	08 Jul 2025 21:57		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO112115.D	08 Jul 2025 22:16		YP/AJ	Ok,M
31	PO070825ICV500	ICVPO070825	PO112116.D	08 Jul 2025 22:34		YP/AJ	Ok,M
32	AR1242ICV500	ICVPO070825AR1242	PO112117.D	08 Jul 2025 23:11		YP/AJ	Ok
33	AR1248ICV500	ICVPO070825AR1248	PO112118.D	08 Jul 2025 23:47		YP/AJ	Ok
34	AR1254ICV500	ICVPO070825AR1254	PO112119.D	09 Jul 2025 00:24		YP/AJ	Ok
35	AR1268ICV500	ICVPO070825AR1268	PO112120.D	09 Jul 2025 01:01		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: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	PO112365.D	22 Jul 2025 08:18		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO112366.D	22 Jul 2025 08:57		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO112367.D	22 Jul 2025 09:15		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO112368.D	22 Jul 2025 09:32		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO112369.D	22 Jul 2025 09:49		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO112370.D	22 Jul 2025 10:08		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO112371.D	22 Jul 2025 10:26		YP/AJ	Ok
8	Q2639-09	OU4-TS-42-071725	PO112372.D	22 Jul 2025 11:08		YP/AJ	Ok
9	Q2639-11	OU4-TS-43-071725	PO112373.D	22 Jul 2025 11:26		YP/AJ	Ok,M
10	Q2639-13	OU4-TS-44-071725	PO112374.D	22 Jul 2025 11:44		YP/AJ	Ok
11	PB168946BL	PB168946BL	PO112375.D	22 Jul 2025 13:35		YP/AJ	Ok
12	PB168946BS	PB168946BS	PO112376.D	22 Jul 2025 13:53		YP/AJ	Ok,M
13	Q2645-02RX	RW5B-CARBON-20250	PO112377.D	22 Jul 2025 14:12	All surrogate fail	YP/AJ	Confirms
14	Q2649-01	WC-1	PO112378.D	22 Jul 2025 14:30		YP/AJ	Ok
15	Q2649-01MS	WC-1MS	PO112379.D	22 Jul 2025 14:48		YP/AJ	Ok,M
16	Q2649-01MSD	WC-1MSD	PO112380.D	22 Jul 2025 15:07	RPD Fail	YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO112381.D	22 Jul 2025 16:21		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO112382.D	22 Jul 2025 16:39		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 # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	PO112383.D	22 Jul 2025 16:56		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO112384.D	22 Jul 2025 17:14		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO112385.D	22 Jul 2025 17:32		YP/AJ	Ok
22	Q2670-01	RBR251375-1	PO112386.D	22 Jul 2025 17:49	AR1248 Hit	YP/AJ	Ok,M
23	Q2670-02	RBR251375-2	PO112387.D	22 Jul 2025 18:08	AR1248 Hit	YP/AJ	Ok,M
24	Q2670-03	72-11995-1	PO112388.D	22 Jul 2025 18:25	AR1248 Hit	YP/AJ	Ok,M
25	Q2670-04	72-11995-2	PO112389.D	22 Jul 2025 18:44	AR1248 Hit	YP/AJ	Ok,M
26	Q2670-05	72-12000-1	PO112390.D	22 Jul 2025 19:02	AR1248 Hit	YP/AJ	Ok,M
27	Q2670-06	72-12000-2	PO112391.D	22 Jul 2025 19:20	AR1248 Hit	YP/AJ	Ok,M
28	Q2670-07	72-11991-1	PO112392.D	22 Jul 2025 19:39	AR1248 Hit	YP/AJ	Ok,M
29	Q2670-08	72-11991-2	PO112393.D	22 Jul 2025 19:57	AR1248 Hit	YP/AJ	Ok,M
30	PB168958BL	PB168958BL	PO112394.D	22 Jul 2025 20:34		YP/AJ	Ok,M
31	PB168958BS	PB168958BS	PO112395.D	22 Jul 2025 20:52		YP/AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PO112396.D	22 Jul 2025 22:05		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO112397.D	22 Jul 2025 23:00		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO112398.D	22 Jul 2025 23:18		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO112399.D	22 Jul 2025 23:37		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO112400.D	22 Jul 2025 23:55		YP/AJ	Ok,M
37	PB168957BL	PB168957BL	PO112401.D	23 Jul 2025 00:14		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 # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM		
SubDirectory	PO072225	HP Acquire Method		HP Processing Method	PO070825

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	PB168957BS	PB168957BS	PO112402.D	23 Jul 2025 00:32		YP/AJ	Ok,M
39	PB168957BSD	PB168957BSD	PO112403.D	23 Jul 2025 00:50		YP/AJ	Ok,M
40	Q2640-01	ELMORA-WATER	PO112404.D	23 Jul 2025 01:09		YP/AJ	Ok,M
41	Q2646-01	FRAC TANK	PO112405.D	23 Jul 2025 01:27		YP/AJ	Ok,M
42	Q2655-03	71125	PO112406.D	23 Jul 2025 01:46		YP/AJ	Ok,M
43	Q2655-04	71425	PO112407.D	23 Jul 2025 02:04		YP/AJ	Ok
44	Q2657-01	12825-A	PO112408.D	23 Jul 2025 02:22		YP/AJ	Ok,M
45	Q2660-05	MOO-25-0220	PO112409.D	23 Jul 2025 02:41		YP/AJ	Ok,M
46	AR1660CCC500	AR1660CCC500	PO112410.D	23 Jul 2025 04:12	DCB low in both column	YP/AJ	Ok,M
47	I.BLK	I.BLK	PO112411.D	23 Jul 2025 05:43		YP/AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168957

SOP ID:	M3510C,3580A-Extraction PCB-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	07/22/2025
Matrix :	Water			**Extraction Start Time :**	12:05
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/22/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:25
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	PP24650
Surrogate	1.0ML	200 PPB	PP24663
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	E3954
Baked Na2SO4	N/A	EP2625
Hexane	N/A	E3956
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. Q2655-03,04,Q2657-01 & Q2660-05 used Limited volume as samples are oily.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/22/25	RS (Ext Lab)	Y.P.P&H/PD.
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168957

Analytical Method: M3510C,3580A-Extraction PCB-15

Concentration Date: 07/22/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168957BL	ABLK957	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB168957BS	ALCS957	PCB	1000	6	RUPESH	ritesh	10			2
PB168957BSD	ALCSD957	PCB	1000	6	RUPESH	ritesh	10			3
Q2640-01	ELMORA-WATER	PCB	970	6	RUPESH	ritesh	10	C		4
Q2646-01	FRAC TANK	PCB	840	6	RUPESH	ritesh	10	G		5
Q2655-03	71125	PCB	100	6	RUPESH	ritesh	10	C	Oily	6
Q2655-04	71425	PCB	100	6	RUPESH	ritesh	10	C	Oily	7
Q2657-01	12825-A	PCB	100	6	RUPESH	ritesh	10	C	Oily	8
Q2660-05	MOO-25-0220	PCB	100	6	RUPESH	ritesh	10	C	Oily	9

RS
7/22

* **Extracts relinquished on the same date as received.**

7/22/25 12:05
Q2646

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2640 **WorkList ID :** 190868 **Department :** Extraction **Date :** 07-22-2025 11:57:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2640-01	ELMORA-WATER	Water	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2646-01	FRAC TANK	Water	PCB	Cool 4 deg C	ENVI60	O11	07/18/2025	8082A
Q2655-03	71125	Water	PCB	Cool 4 deg C	PSEG03	D41	07/21/2025	8082A
Q2655-04	71425	Water	PCB	Cool 4 deg C	PSEG03	D41	07/21/2025	8082A
Q2657-01	12825-A	Water	PCB	Cool 4 deg C	PSEG03	D41	07/21/2025	8082A
Q2660-05	MOO-25-0220	Water	PCB	Cool 4 deg C	PSEG03	D31	07/21/2025	8082A

Date/Time 7/22/25 12:00
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by:

Date/Time 7/22/25 12:35
Raw Sample Received by:
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:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**WATER**			**07/18/25**			**07/18/25**
			PCB	8082A		07/22/25	07/23/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2646 **Order ID:** Q2646

Client: Environmental Restoration, LLC **Project ID:** North Arlington, NJ

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	07/23/25
Client Sample ID:	PB168926TB	SDG No.:	Q2646
Lab Sample ID:	PB168926TB	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
PS031239.D	1	07/23/25 11:45	07/24/25 21:04	PB169001

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	596		70 (61) - 130 (136)	119%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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
PS031337.D	1	07/23/25 11:45	07/31/25 13:39	PB169001

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	538		70 (61) - 130 (136)	108%	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

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

Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031156.D	PIBLK-PS031156.D	2,4-DCAA	1	500	397	79		70 (61)	130 (136)
		2,4-DCAA	2	500	504	101		70 (61)	130 (136)
I.BLK-PS031232.D	PIBLK-PS031232.D	2,4-DCAA	1	500	412	82		70 (61)	130 (136)
		2,4-DCAA	2	500	491	98		70 (61)	130 (136)
Q2641-02MS	P001-CONCRETE001-01MS	2,4-DCAA	1	500	452	90		70 (61)	130 (136)
		2,4-DCAA	2	500	499	100		70 (61)	130 (136)
Q2641-02MSD	P001-CONCRETE001-01MSD	2,4-DCAA	1	500	418	84		70 (61)	130 (136)
		2,4-DCAA	2	500	463	93		70 (61)	130 (136)
PB169001BL	PB169001BL	2,4-DCAA	1	500	407	81		70 (61)	130 (136)
		2,4-DCAA	2	500	473	95		70 (61)	130 (136)
PB169001BS	PB169001BS	2,4-DCAA	1	500	488	98		70 (61)	130 (136)
		2,4-DCAA	2	500	501	100		70 (61)	130 (136)
PB168926TB	PB168926TB	2,4-DCAA	1	500	596	119		70 (61)	130 (136)
		2,4-DCAA	2	500	508	102		70 (61)	130 (136)
I.BLK-PS031242.D	PIBLK-PS031242.D	2,4-DCAA	1	500	422	84		70 (61)	130 (136)
		2,4-DCAA	2	500	498	100		70 (61)	130 (136)
I.BLK-PS031274.D	PIBLK-PS031274.D	2,4-DCAA	1	500	404	81		70 (61)	130 (136)
		2,4-DCAA	2	500	491	98		70 (61)	130 (136)
I.BLK-PS031335.D	PIBLK-PS031335.D	2,4-DCAA	1	500	478	96		70 (61)	130 (136)
		2,4-DCAA	2	500	517	103		70 (61)	130 (136)
Q2646-03	FRAC TANK	2,4-DCAA	1	500	527	105		70 (61)	130 (136)
		2,4-DCAA	2	500	538	108		70 (61)	130 (136)
I.BLK-PS031338.D	PIBLK-PS031338.D	2,4-DCAA	1	500	520	104		70 (61)	130 (136)
		2,4-DCAA	2	500	537	107		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.: Q2646 **Analytical Method:** 8151A

Client: Environmental Restoration, LLC **DataFile :** PS031234.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2641-02MS (Column 1)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	2,4-D	50	0	80.3	ug/L	161	*			70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	77.7	ug/L	155	*			70 (62)	130 (139)	
Lab Sample ID:	**Q2641-02MS (Column 2)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	2,4-D	50	0	86.2	ug/L	172	*			70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	76.7	ug/L	153	*			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.: Q2646 **Analytical Method:** 8151A

Client: Environmental Restoration, LLC **DataFile :** PS031235.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2641-02MSD (Column 1)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	2,4-D	50	0	76.2	ug/L	152	*	6		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	73.8	ug/L	148	*	5		70 (62)	130 (139)	20 (20)
Lab Sample ID:	**Q2641-02MSD (Column 2)**	**Client Sample ID:**		**P001-CONCRETE001-01M**								
	2,4-D	50	0	80.9	ug/L	162	*	6		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	72.7	ug/L	145	*	5		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.: Q2646 **Analytical Method:** 8151A

Client: Environmental Restoration, LLC **Datafile :** PS031237.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169001BS (Column 1)	2,4-D	5	6.00	ug/L	120				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.60	ug/L	112				70 (78)	130 (127)	
PB169001BS (Column 2)	2,4-D	5	5.50	ug/L	110				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.30	ug/L	106				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

Client ID: PB169001BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab Sample ID: PB169001BL | Lab File ID: PS031236.D

Matrix: (soil/water) water | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/23/2025

Date Analyzed (1): 07/24/2025 | Date Analyzed (2): 07/24/2025

Time Analyzed (1): 19:52 | Time Analyzed (2): 19:52

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
P001-CONCRETE001-01MS	Q2641-02MS	PS031234.D	07/24/2025	07/24/2025
P001-CONCRETE001-01MSD	Q2641-02MSD	PS031235.D	07/24/2025	07/24/2025
PB169001BS	PB169001BS	PS031237.D	07/24/2025	07/24/2025
PB168926TB	PB168926TB	PS031239.D	07/24/2025	07/24/2025
FRAC TANK	Q2646-03	PS031337.D	07/31/2025	07/31/2025

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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB169001BL	SDG No.:	Q2646
Lab Sample ID:	PB169001BL	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
PS031236.D	1	07/23/25 11:45	07/24/25 19:52	PB169001

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	473		70 (61) - 130 (136)	95%	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:	Environmental Restoration, LLC	Date Collected:	07/21/25
Project:	North Arlington, NJ	Date Received:	07/21/25
Client Sample ID:	PIBLK-PS031156.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031156.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
PS031156.D	1		07/21/25	ps072125

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	504		70 (61) - 130 (136)	101%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/24/25
Project:	North Arlington, NJ	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031232.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031232.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
PS031232.D	1		07/24/25	PS072425

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	491		70 (61) - 130 (136)	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/24/25
Project:	North Arlington, NJ	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031242.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031242.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
PS031242.D	1		07/24/25	PS072425

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	498		70 (61) - 130 (136)	100%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet 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:	Environmental Restoration, LLC	Date Collected:	07/29/25
Project:	North Arlington, NJ	Date Received:	07/29/25
Client Sample ID:	PIBLK-PS031274.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031274.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
PS031274.D	1		07/29/25	PS072925

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	491		70 (61) - 130 (136)	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/31/25
Project:	North Arlington, NJ	Date Received:	07/31/25
Client Sample ID:	PIBLK-PS031335.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031335.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
PS031335.D	1		07/31/25	Ps073125

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	517		70 (61) - 130 (136)	103%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/31/25
Project:	North Arlington, NJ	Date Received:	07/31/25
Client Sample ID:	PIBLK-PS031338.D	SDG No.:	Q2646
Lab Sample ID:	I.BLK-PS031338.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
PS031338.D	1		07/31/25	PS073125

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	537		70 (61) - 130 (136)	107%	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:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	PB169001BS	SDG No.:	Q2646
Lab Sample ID:	PB169001BS	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
PS031237.D	1	07/23/25 11:45	07/24/25 20:16	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	6.00		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.60		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	501		70 (61) - 130 (136)	100%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet 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:	Environmental Restoration, LLC	Date Collected:	07/16/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MS	SDG No.:	Q2646
Lab Sample ID:	Q2641-02MS	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
PS031234.D	1	07/23/25 11:45	07/24/25 19:04	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	86.2		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	77.7		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	499		70 (61) - 130 (136)	100%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet 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:	Environmental Restoration, LLC	Date Collected:	07/16/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MSD	SDG No.:	Q2646
Lab Sample ID:	Q2641-02MSD	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
PS031235.D	1	07/23/25 11:45	07/24/25 19:28	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	80.9		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	73.8		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	463		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

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS031157.D RT 500 = PS031158.D
RT 750 = PS031159.D RT 1000 = PS031160.D RT 1500 = PS031161.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)	9.34	9.34	9.34	9.34	9.34	9.34	9.24	9.44
2,4-D	8.46	8.46	8.46	8.46	8.46	8.46	8.36	8.56
2,4-DCAA	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS031157.D RT 500 = PS031158.D
RT 750 = PS031159.D RT 1000 = PS031160.D RT 1500 = PS031161.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)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.02	9.03	9.02	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

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS031157.D CF 500 = PS031158.D
CF 750 = PS031159.D CF 1000 = PS031160.D CF 1500 = PS031161.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	24592600000	22780000000	21638700000	20857200000	19899400000	21953600000	8
2,4-D	4193860000	3820730000	3654460000	3552490000	3453030000	3734920000	8
2,4-DCAA	5091100000	4403340000	4248720000	4081100000	3917010000	4348250000	10

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS031157.D CF 500 = PS031158.D
CF 750 = PS031159.D CF 1000 = PS031160.D CF 1500 = PS031161.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16137400000	15454900000	14840900000	14348100000	13689700000	14894200000	6
2,4-D	1930260000	1742600000	1656200000	1604210000	1558320000	1698320000	9
2,4-DCAA	1147310000	1039810000	988394000	963101000	936229000	1014970000	8

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D
RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.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)	9.33	9.33	9.33	9.33	9.33	9.33	9.23	9.43
2,4-D	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55
2,4-DCAA	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D
RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.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)	9.93	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.03	9.03	9.03	9.02	9.02	9.03	8.93	9.13
2,4-DCAA	7.77	7.77	7.77	7.76	7.76	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

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS031275.D CF 500 = PS031276.D
CF 750 = PS031277.D CF 1000 = PS031278.D CF 1500 = PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16396000000	16819100000	16676100000	16892300000	16522800000	16661300000	1
2,4-D	2576570000	2575840000	2553160000	2630000000	2631140000	2593340000	1
2,4-DCAA	3064840000	2959730000	2862370000	2871350000	2808730000	2913400000	3

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: ENVI60
SDG NO.: Q2646
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS031275.D CF 500 = PS031276.D
CF 750 = PS031277.D CF 1000 = PS031278.D CF 1500 = PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	13057400000	12937900000	12568100000	12631100000	12319500000	12702800000	2
2,4-D	1448930000	1409840000	1369840000	1380980000	1368050000	1395530000	2
2,4-DCAA	882797000	843990000	816032000	820679000	811907000	835081000	4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:39 **Initial Calibration Time(s):** 15:02 16:39

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:39 **Initial Calibration Time(s):** 15:02 16:39

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031233.D **Time Analyzed:** 18:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.335	9.242	9.442	689.480	712.500	-3.2
2,4-D	8.451	8.356	8.556	729.310	705.000	3.4
2,4-DCAA	7.319	7.225	7.425	666.340	750.000	-11.2

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031233.D **Time Analyzed:** 18:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.926	9.829	10.029	671.800	712.500	-5.7
2,4-D	9.021	8.924	9.124	696.610	705.000	-1.2
2,4-DCAA	7.764	7.666	7.866	693.770	750.000	-7.5

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 23:29 **Initial Calibration Time(s):** 15:02 16:39

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 23:29 **Initial Calibration Time(s):** 15:02 16:39

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031243.D **Time Analyzed:** 23:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.335	9.242	9.442	685.930	712.500	-3.7
2,4-D	8.451	8.356	8.556	727.900	705.000	3.2
2,4-DCAA	7.320	7.225	7.425	669.120	750.000	-10.8

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031243.D **Time Analyzed:** 23:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.926	9.829	10.029	666.400	712.500	-6.5
2,4-D	9.022	8.924	9.124	695.080	705.000	-1.4
2,4-DCAA	7.764	7.666	7.866	688.880	750.000	-8.1

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 12:00 **Initial Calibration Time(s):** 16:30 18:07

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.31	7.32	7.22	7.42	0.01
2,4-D	8.44	8.45	8.35	8.55	0.01
2,4,5-TP(Silvex)	9.32	9.33	9.23	9.43	0.02

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 12:00 **Initial Calibration Time(s):** 16:30 18:07

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031336.D **Time Analyzed:** 12:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.315	9.227	9.427	745.440	712.500	4.6
2,4-D	8.436	8.346	8.546	738.480	705.000	4.7
2,4-DCAA	7.306	7.215	7.415	766.150	750.000	2.2

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031336.D **Time Analyzed:** 12:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.916	9.824	10.024	692.060	712.500	-2.9
2,4-D	9.018	8.925	9.125	670.620	705.000	-4.9
2,4-DCAA	7.760	7.666	7.866	708.740	750.000	-5.5

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 15:43 **Initial Calibration Time(s):** 16:30 18:07

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.31	7.32	7.22	7.42	0.02
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 15:43 **Initial Calibration Time(s):** 16:30 18:07

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031339.D **Time Analyzed:** 15:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.314	9.227	9.427	793.360	712.500	11.3
2,4-D	8.433	8.346	8.546	815.510	705.000	15.7
2,4-DCAA	7.305	7.215	7.415	810.300	750.000	8.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031339.D **Time Analyzed:** 15:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.914	9.824	10.024	708.190	712.500	-0.6
2,4-D	9.014	8.925	9.125	717.030	705.000	1.7
2,4-DCAA	7.756	7.666	7.866	757.070	750.000	0.9

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.33	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.33	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.33	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.33	0.00
I.BLK	I.BLK	07/24/2025	17:27	PS031232.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	18:39	PS031233.D	7.32	0.00
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	19:04	PS031234.D	7.32	0.00
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	19:28	PS031235.D	7.32	0.00
PB169001BL	PB169001BL	07/24/2025	19:52	PS031236.D	7.32	0.00
PB169001BS	PB169001BS	07/24/2025	20:16	PS031237.D	7.32	0.00
PB168926TB	PB168926TB	07/24/2025	21:04	PS031239.D	7.32	0.00
I.BLK	I.BLK	07/24/2025	22:17	PS031242.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	23:29	PS031243.D	7.32	0.00
I.BLK	I.BLK	07/29/2025	16:06	PS031274.D	7.32	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.32	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.32	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.32	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.32	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.32	0.00
I.BLK	I.BLK	07/31/2025	11:36	PS031335.D	7.31	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	12:00	PS031336.D	7.31	0.00
FRAC TANK	Q2646-03	07/31/2025	13:39	PS031337.D	7.31	0.00
I.BLK	I.BLK	07/31/2025	15:19	PS031338.D	7.30	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	15:43	PS031339.D	7.31	0.00

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.77	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.77	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.77	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.77	0.00
I.BLK	I.BLK	07/24/2025	17:27	PS031232.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	18:39	PS031233.D	7.76	0.00
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	19:04	PS031234.D	7.76	0.00
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	19:28	PS031235.D	7.76	0.00
PB169001BL	PB169001BL	07/24/2025	19:52	PS031236.D	7.76	0.00
PB169001BS	PB169001BS	07/24/2025	20:16	PS031237.D	7.76	0.00
PB168926TB	PB168926TB	07/24/2025	21:04	PS031239.D	7.76	0.00
I.BLK	I.BLK	07/24/2025	22:17	PS031242.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	23:29	PS031243.D	7.76	0.00
I.BLK	I.BLK	07/29/2025	16:06	PS031274.D	7.77	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.77	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.77	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.76	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.76	0.00
I.BLK	I.BLK	07/31/2025	11:36	PS031335.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	12:00	PS031336.D	7.76	0.00
FRAC TANK	Q2646-03	07/31/2025	13:39	PS031337.D	7.75	0.00
I.BLK	I.BLK	07/31/2025	15:19	PS031338.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	15:43	PS031339.D	7.76	0.00

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MS

Lab Name: Alliance

Contract: ENVI60

Lab Code: ACE

SDG NO.: Q2646

Lab Sample ID: Q2641-02MS

Date(s) Analyzed: 07/24/2025 07/24/2025

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	8.45	8.40	8.50	80.3	7.1
	2	9.02	8.97	9.07	86.2	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	77.7	1.3
	2	9.93	9.88	9.98	76.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MSD

Lab Name: Alliance

Contract: ENVI60

Lab Code: ACE

SDG NO.: Q2646

Lab Sample ID: Q2641-02MSD

Date(s) Analyzed: 07/24/2025 07/24/2025

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	8.45	8.40	8.50	76.2	6
	2	9.02	8.97	9.07	80.9	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	73.8	1.5
	2	9.93	9.88	9.98	72.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169001BS

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2646

Lab Sample ID: PB169001BS **Date(s) Analyzed:** 07/24/2025 07/24/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	5.60	5.5
	2	9.93	9.88	9.98	5.30	
2,4-D	1	8.45	8.40	8.50	6.00	8.7
	2	9.02	8.97	9.07	5.50	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 21:04
Operator : AR\AJ
Sample : PB168926TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168926TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:45:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.318	7.763	2590.7E6	515.5E6	595.802	507.909
	Target Compounds						

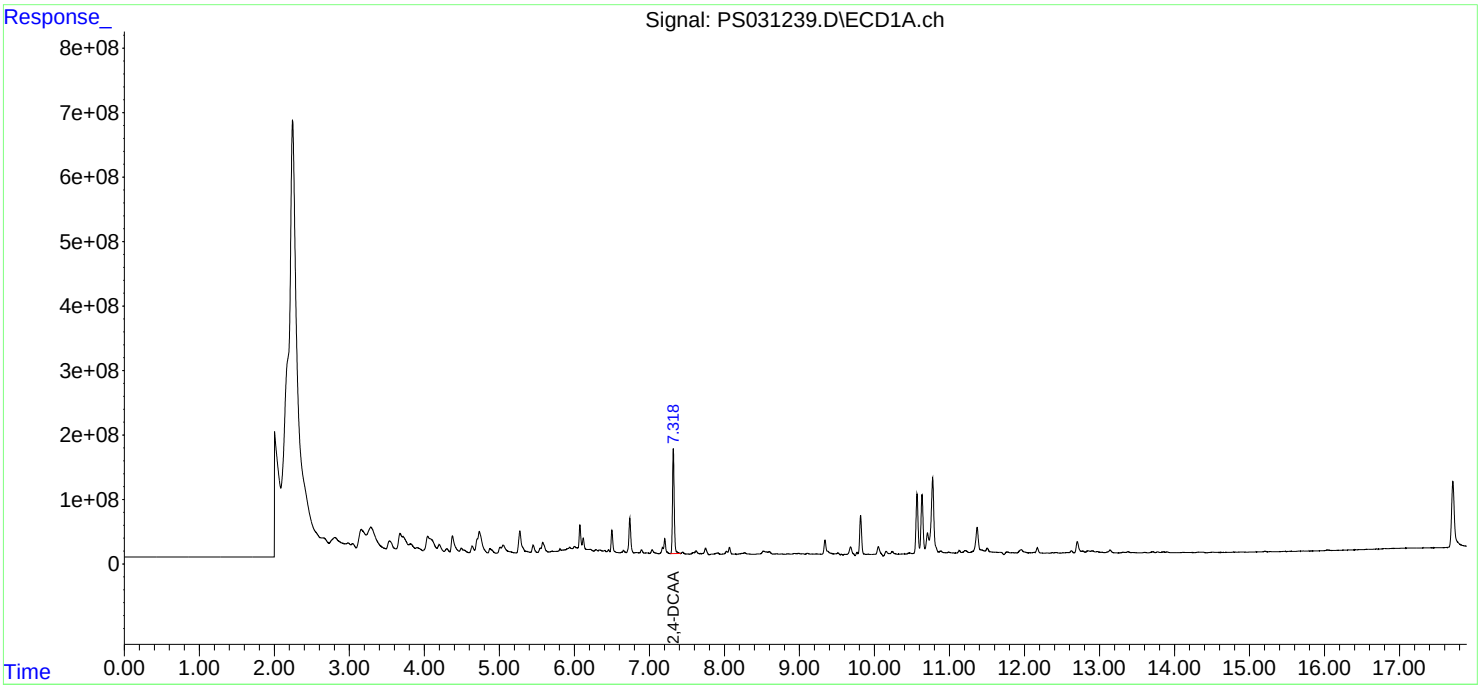
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

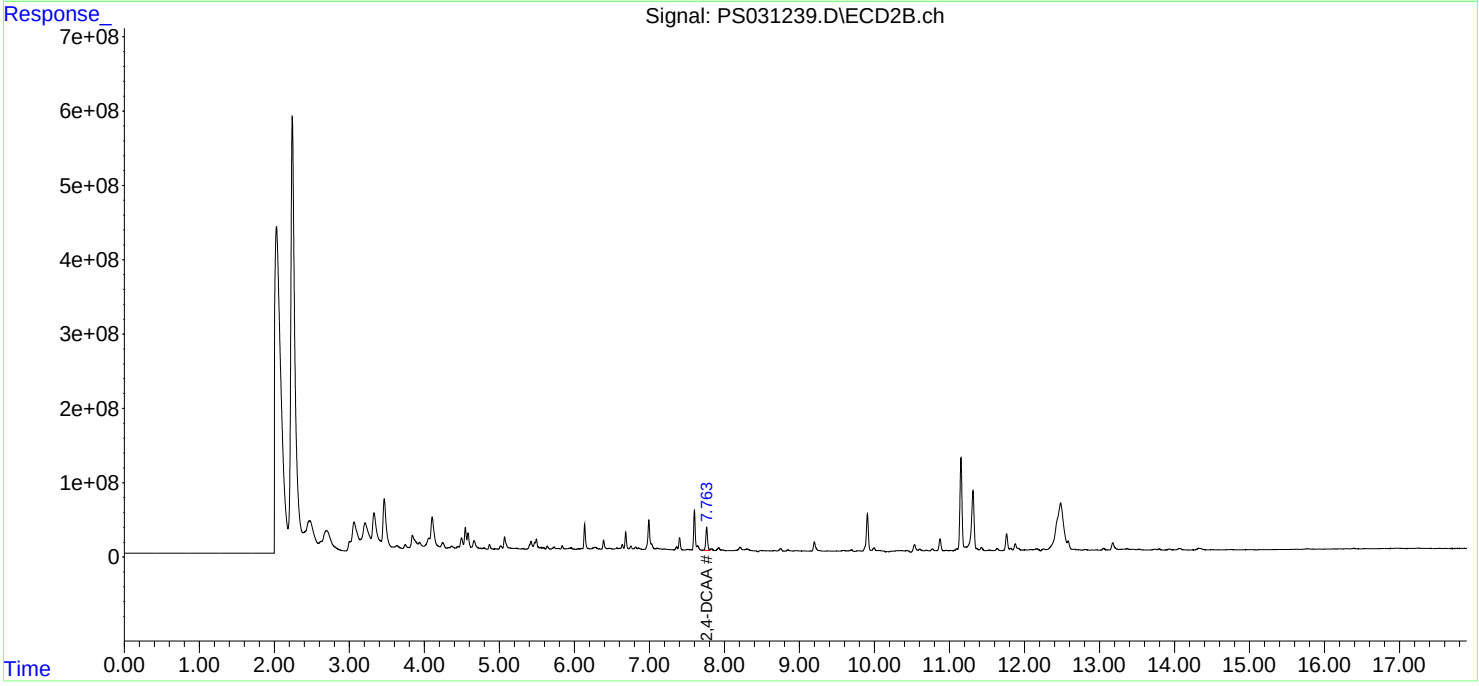
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 21:04
Operator : AR\AJ
Sample : PB168926TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

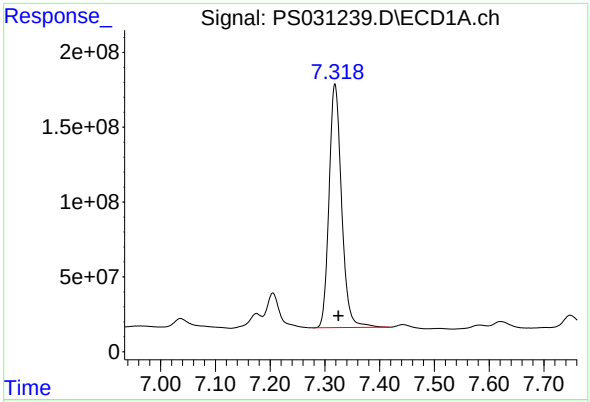
Instrument :
ECD_S
ClientSampleId :
PB168926TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:45:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



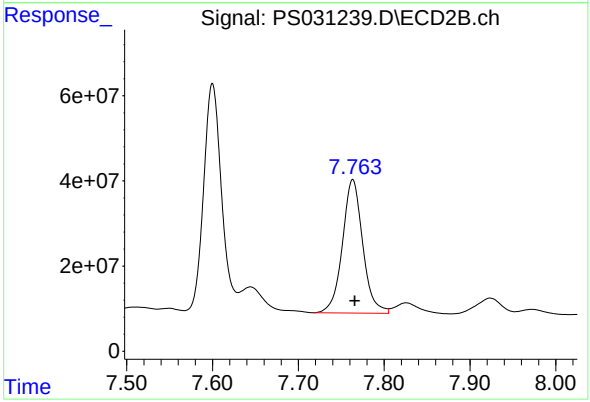




#4 2,4-DCAA

R.T.: 7.318 min
Delta R.T.: -0.006 min
Response: 2590699580
Conc: 595.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168926TB



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 515511913
Conc: 507.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:39
Operator : AR\AJ
Sample : Q2646-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
FRAC TANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:34:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 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	7.308	7.752	1535.0E6	449.0E6	526.881	537.625
	Target Compounds						

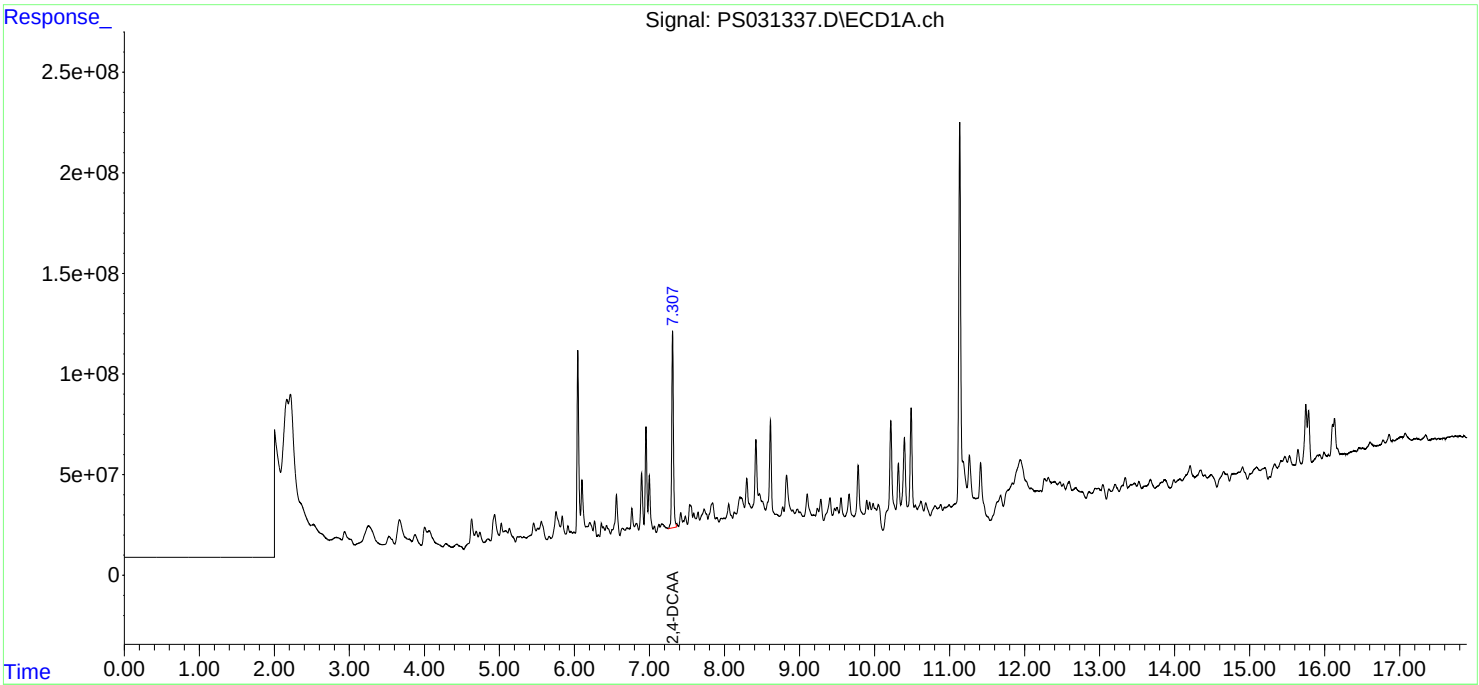
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

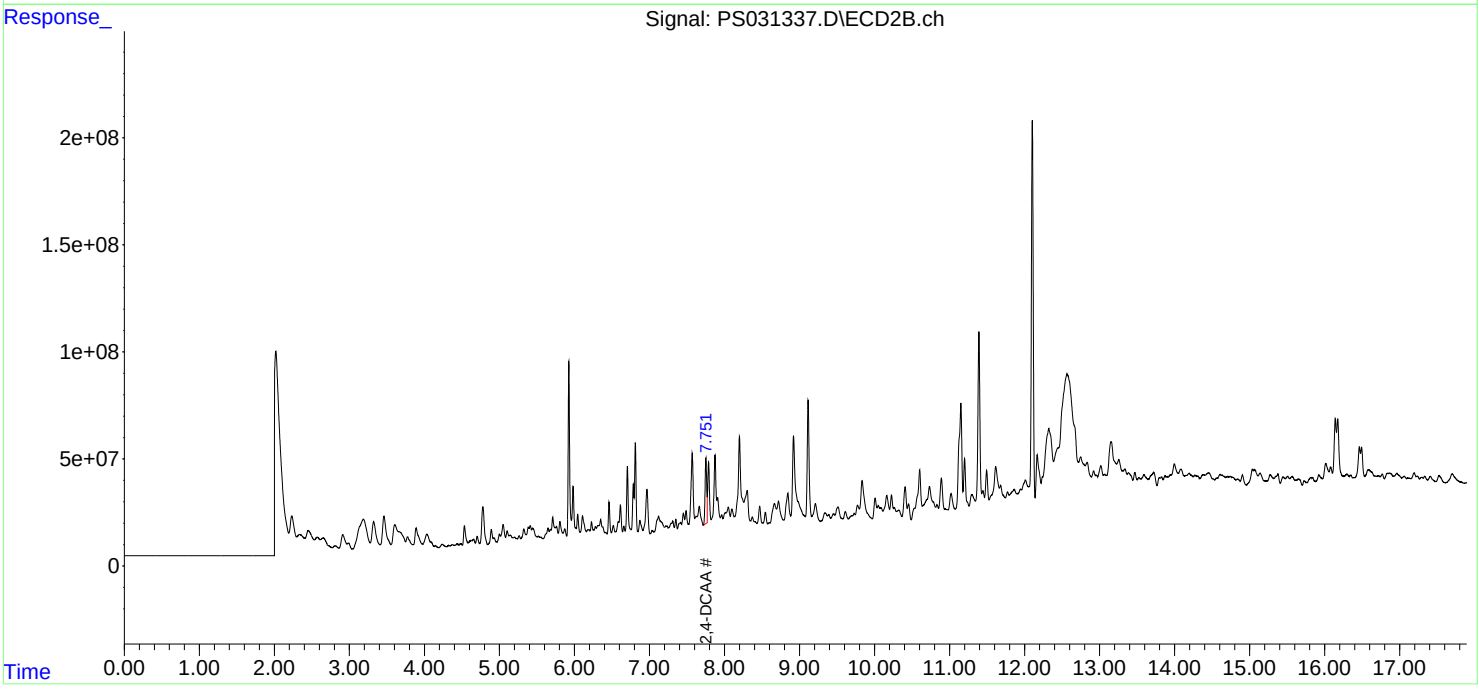
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:39
Operator : AR\AJ
Sample : Q2646-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

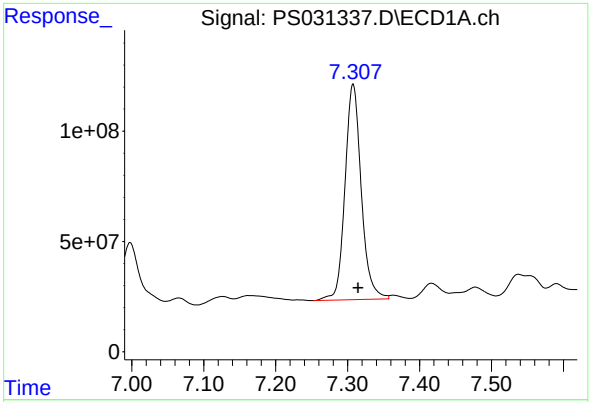
Instrument :
ECD_S
ClientSampleId :
FRAC TANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:34:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 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



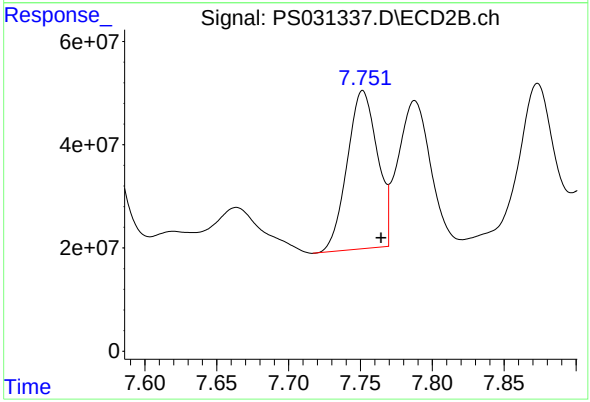




#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.007 min
Response: 1535018203
Conc: 526.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
FRAC TANK



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.013 min
Response: 448960208
Conc: 537.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:52
Operator : AR\AJ
Sample : PB169001BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169001BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.320	7.764	1769.9E6	479.9E6	407.037	472.801
	Target Compounds						

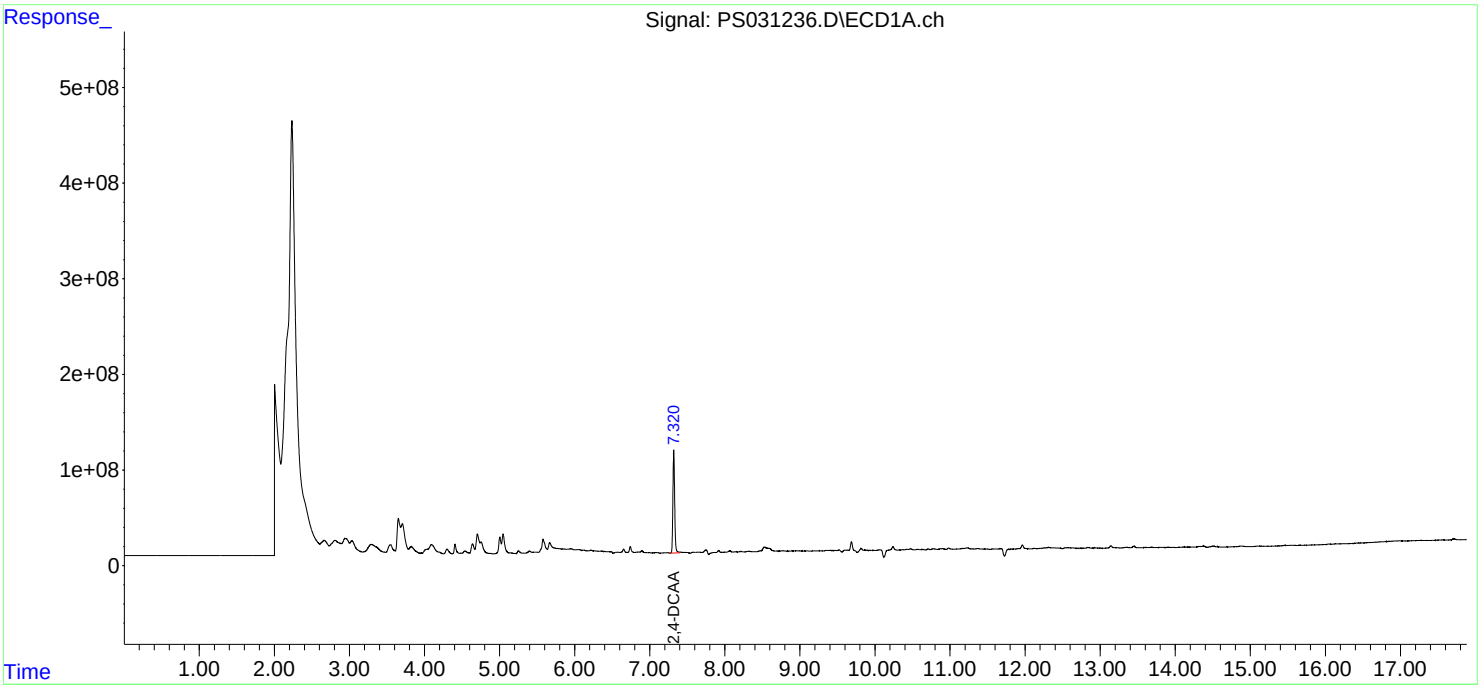
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

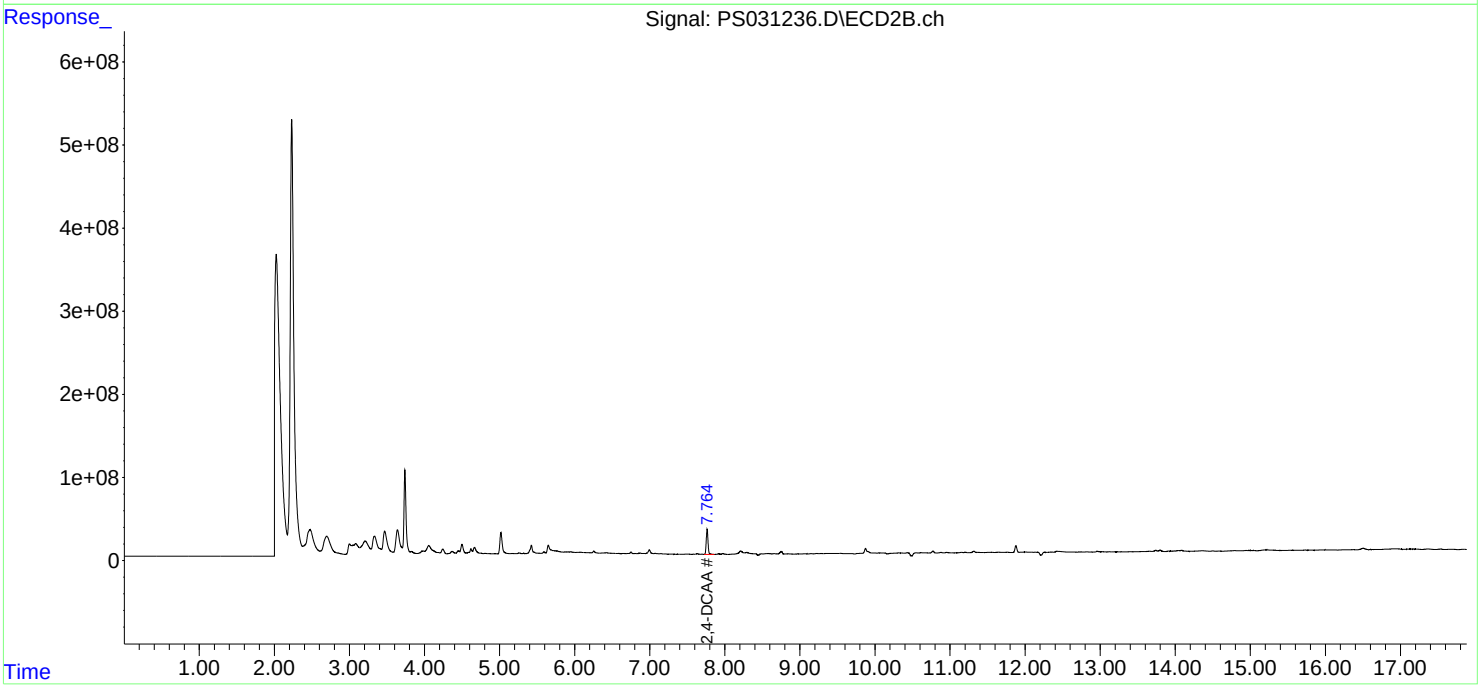
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:52
Operator : AR\AJ
Sample : PB169001BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

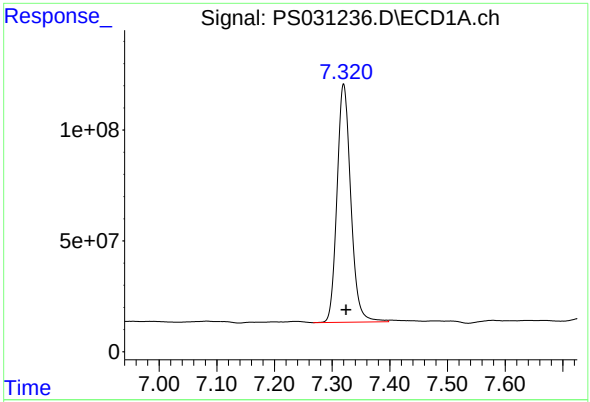
Instrument :
ECD_S
ClientSampleId :
PB169001BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



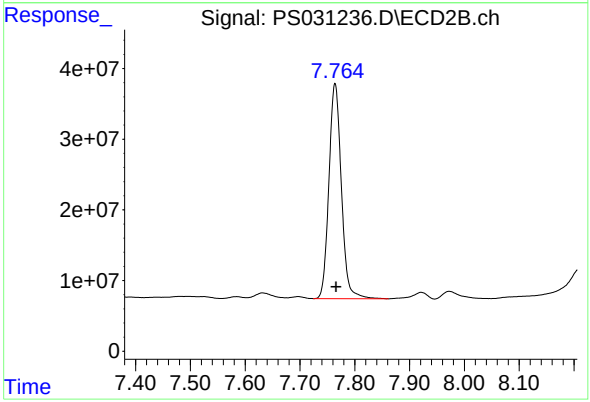




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1769898327
Conc: 407.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169001BL



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 479878037
Conc: 472.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 20:16
Operator : AR\AJ
Sample : PB169001BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169001BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.320	7.764	2121.5E6	508.8E6	487.902	501.299
	Target Compounds						
1) T	Dalapon	2.686	2.704	1300.3E6	2886.7E6	207.289m	1017.600m#
2) T	3,5-DICHL...	6.484	6.711	2802.4E6	743.0E6	507.436	482.528
3) T	4-Nitroph...	7.120	7.297	804.0E6	751.3E6	487.603	415.214
5) T	DICAMBA	7.508	7.966	7809.3E6	3109.6E6	473.377	481.854
6) T	MCPP	7.689	8.065	456.0E6	90752125	45.551	43.677
7) T	MCPA	7.839	8.312	601.5E6	134.5E6	48.069	42.627
8) T	DICHLORPROP	8.219	8.685	1990.0E6	727.3E6	520.683	480.100
9) T	2,4-D	8.451	9.021	2223.0E6	926.8E6	595.191	545.708m
10) T	Pentachlo...	8.757	9.545	32147.0E6	20997.3E6	588.540	537.273
11) T	2,4,5-TP ...	9.335	9.926	12279.8E6	7936.6E6	559.353	532.865
12) T	2,4,5-T	9.628	10.353	10468.9E6	7013.5E6	536.103	493.233
13) T	2,4-DB	10.206	10.920	1568.7E6	579.1E6	524.686	494.707m
14) T	DINOSEB	11.418	11.305	6756.6E6	4565.9E6	433.963m	403.990
15) T	Picloram	11.229	12.415	9502.8E6	9927.6E6	474.983m	398.777
16) T	DCPA	11.713	12.348	11529.1E6	11386.4E6	401.804	494.287

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 20:16
Operator : AR\AJ
Sample : PB169001BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

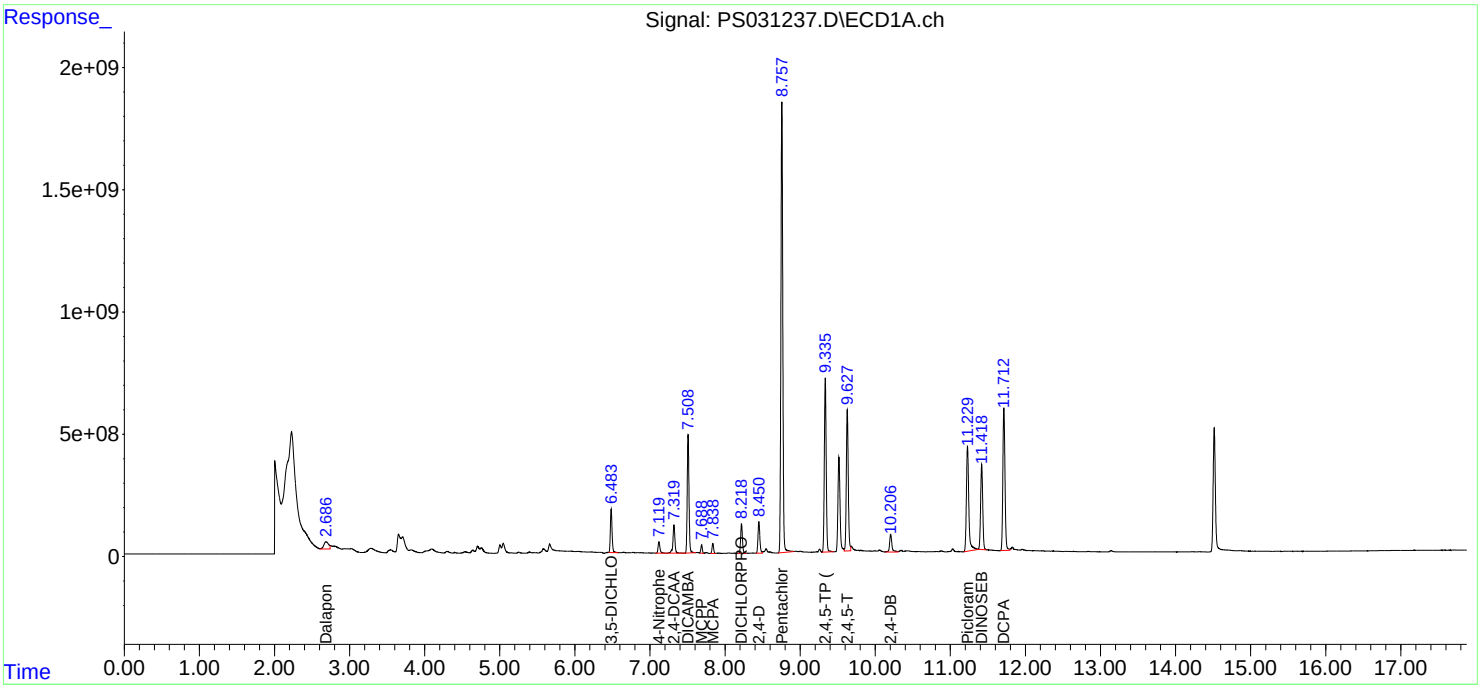
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

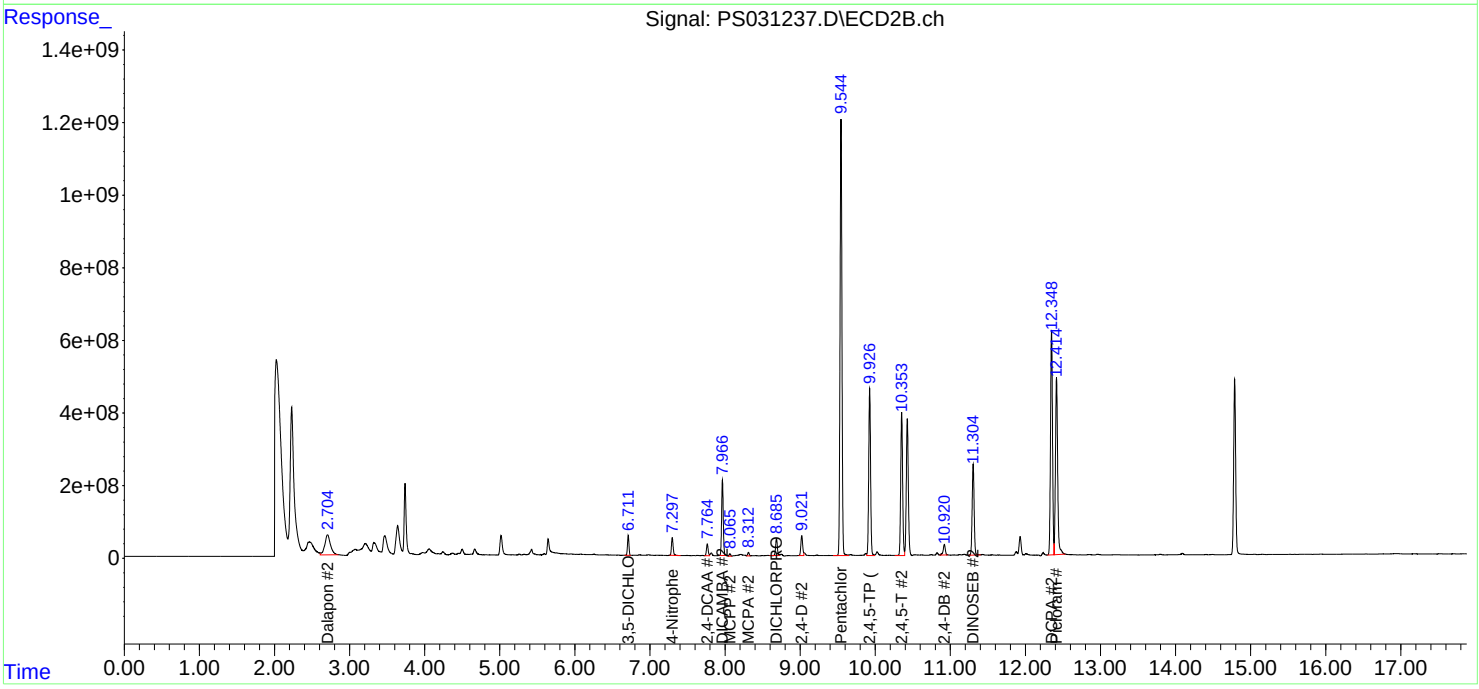
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
PB169001BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:04
Operator : AR\AJ
Sample : Q2641-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:43:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.320	7.764	1963.7E6	506.9E6	451.601	499.405
	Target Compounds						
1) T	Dalapon	2.688	2.703	1333.9E6	1571.4E6	212.638m	553.950m#
2) T	3,5-DICHL...	6.483	6.712	3774.5E6	1077.7E6	683.453	699.882
3) T	4-Nitroph...	7.119	7.297	1187.3E6	1170.2E6	720.128	646.764
5) T	DICAMBA	7.509	7.967	11641.9E6	4766.2E6	705.698	738.553
6) T	MCPP	7.690	8.066	527.1E6	103.8E6	52.654	49.950
7) T	MCPA	7.839	8.302	801.2E6	948.9E6	64.026	300.750m#
8) T	DICHLORPROP	8.220	8.685	2710.9E6	1057.3E6	709.287	697.963
9) T	2,4-D	8.451	9.022	2999.1E6	1463.7E6	802.981	861.865
10) T	Pentachlo...	8.757	9.545	43108.9E6	29856.6E6	789.228	763.964
11) T	2,4,5-TP ...	9.336	9.926	17061.4E6	11429.8E6	777.160	767.401m
12) T	2,4,5-T	9.629	10.353	15007.0E6	10621.2E6	768.497	746.949
13) T	2,4-DB	10.206	10.918	2291.1E6	1301.9E6	766.275	1112.263m#
14) T	DINOSEB	11.418	11.305	10564.4E6	7270.1E6	678.534m	643.254
15) T	Picloram	11.229	12.414	17696.5E6	19451.7E6	884.535m	781.349
16) T	DCPA	11.714	12.349	18645.8E6	17877.9E6	649.827	776.086m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

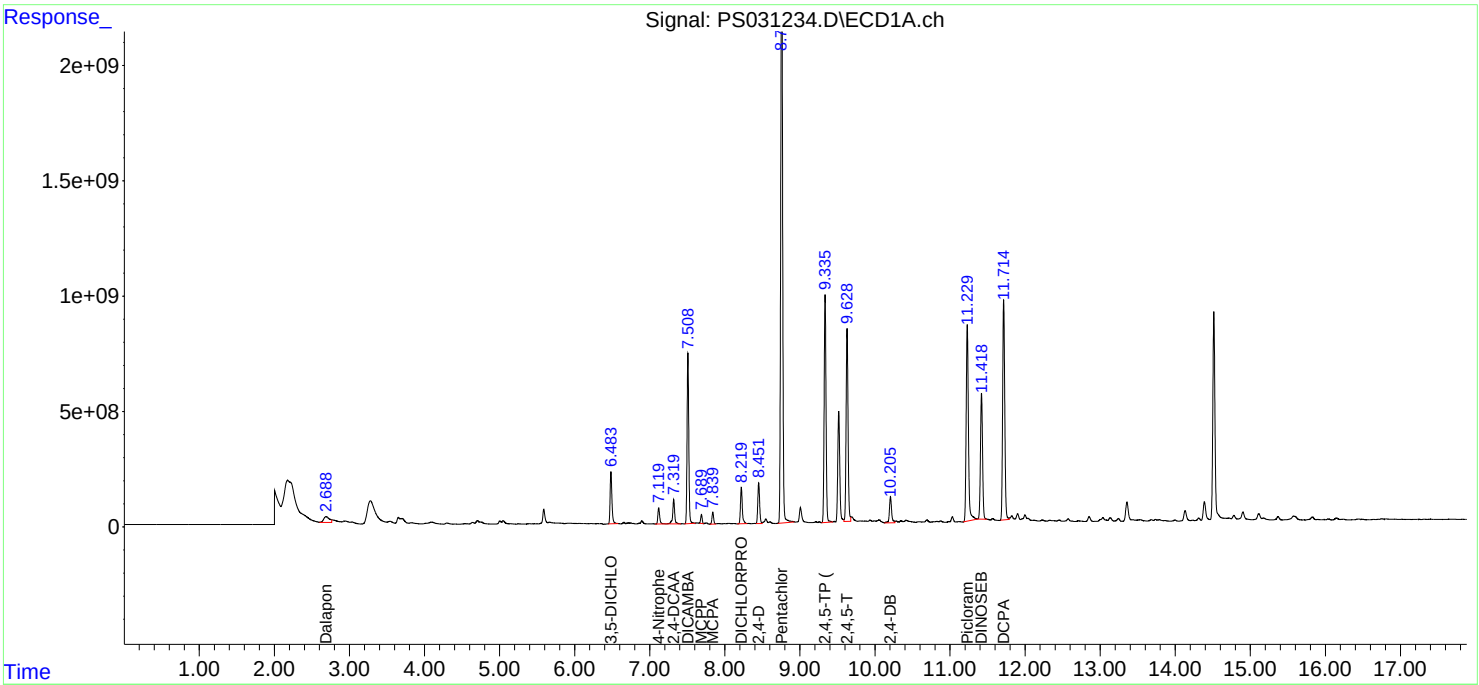
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:04
Operator : AR\AJ
Sample : Q2641-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

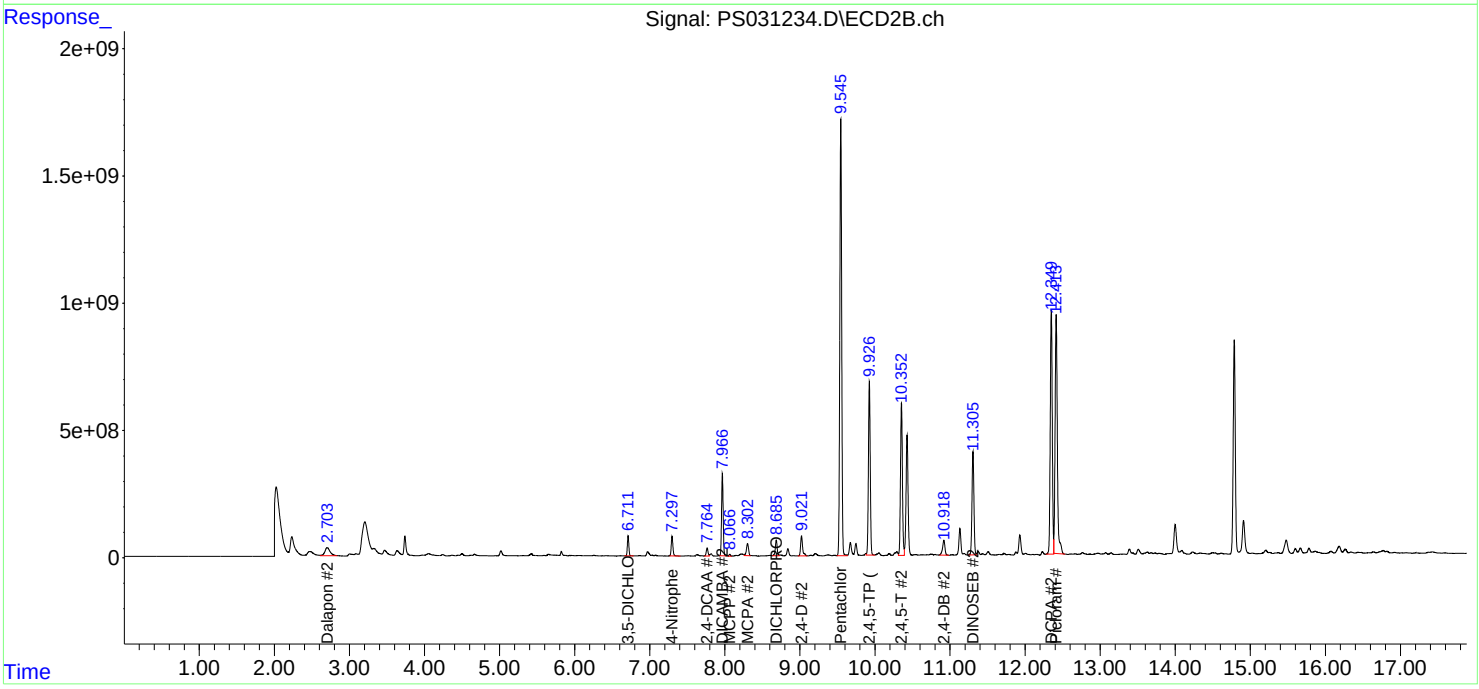
Instrument :
ECD_S
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:43:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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\PS072425\
Data File : PS031235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:28
Operator : AR\AJ
Sample : Q2641-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:43:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.319	7.764	1819.5E6	469.6E6	418.436	462.681
	Target Compounds						
1) T	Dalapon	2.688	2.703	1265.5E6	1324.3E6	201.746m	466.832m#
2) T	3,5-DICHL...	6.483	6.711	3576.2E6	1020.1E6	647.538	662.430
3) T	4-Nitroph...	7.119	7.297	1123.9E6	1117.7E6	681.649	617.766
5) T	DICAMBA	7.509	7.966	11042.2E6	4495.5E6	669.344	696.610
6) T	MCPP	7.689	8.065	477.0E6	93967699	47.651	45.224
7) T	MCPA	7.839	8.302	734.1E6	811.0E6	58.658	257.034m#
8) T	DICHLORPROP	8.219	8.685	2527.0E6	976.3E6	661.169	644.472
9) T	2,4-D	8.451	9.022	2847.7E6	1374.5E6	762.450	809.339
10) T	Pentachlo...	8.760	9.545	41978.8E6	28362.4E6	768.538	725.729
11) T	2,4,5-TP ...	9.336	9.926	16205.4E6	10825.5E6	738.168	726.825m
12) T	2,4,5-T	9.630	10.353	14305.5E6	10120.0E6	732.573	711.704
13) T	2,4-DB	10.206	10.919	2275.5E6	1219.8E6	761.081	1042.144m#
14) T	DINOSEB	11.419	11.305	10036.8E6	6882.5E6	644.648m	608.956
15) T	Picloram	11.229	12.414	16773.8E6	18153.3E6	838.413m	729.193
16) T	DCPA	11.714	12.349	16732.4E6	16985.3E6	583.144	737.337m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

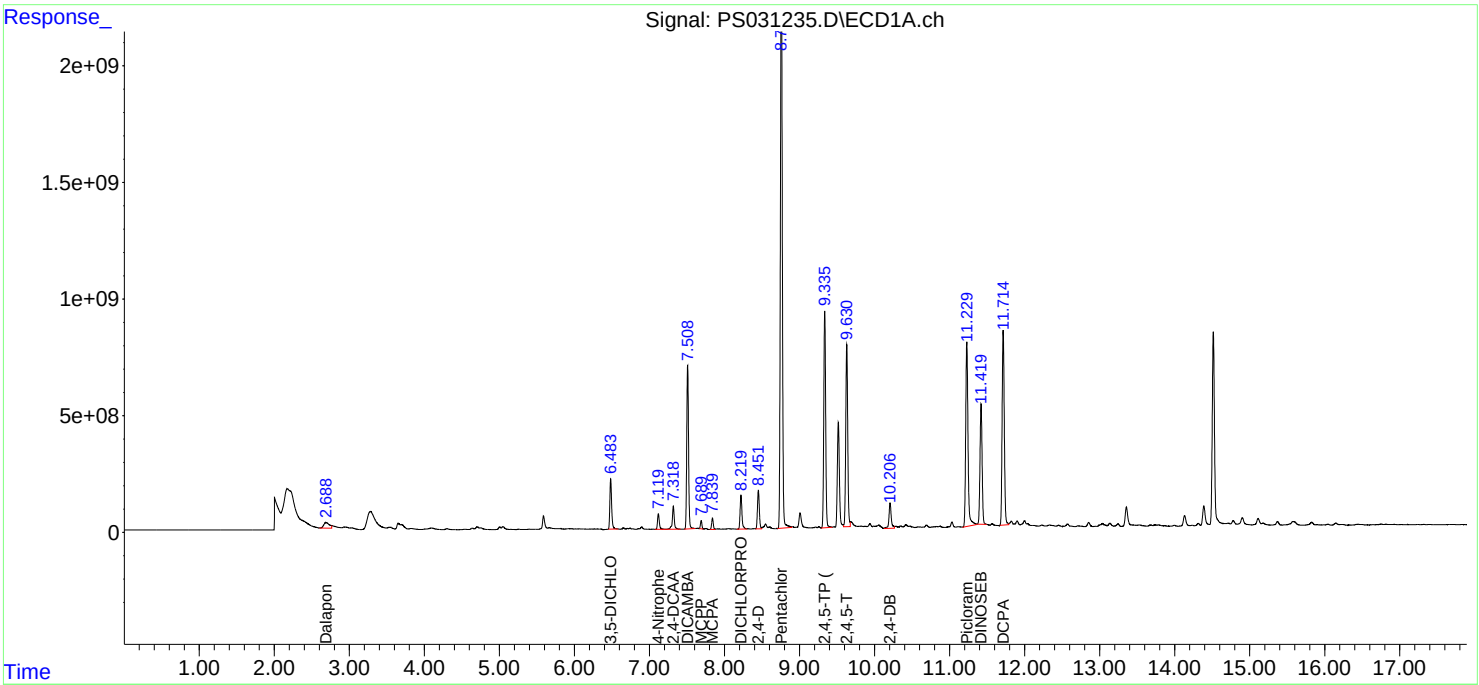
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:28
Operator : AR\AJ
Sample : Q2641-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

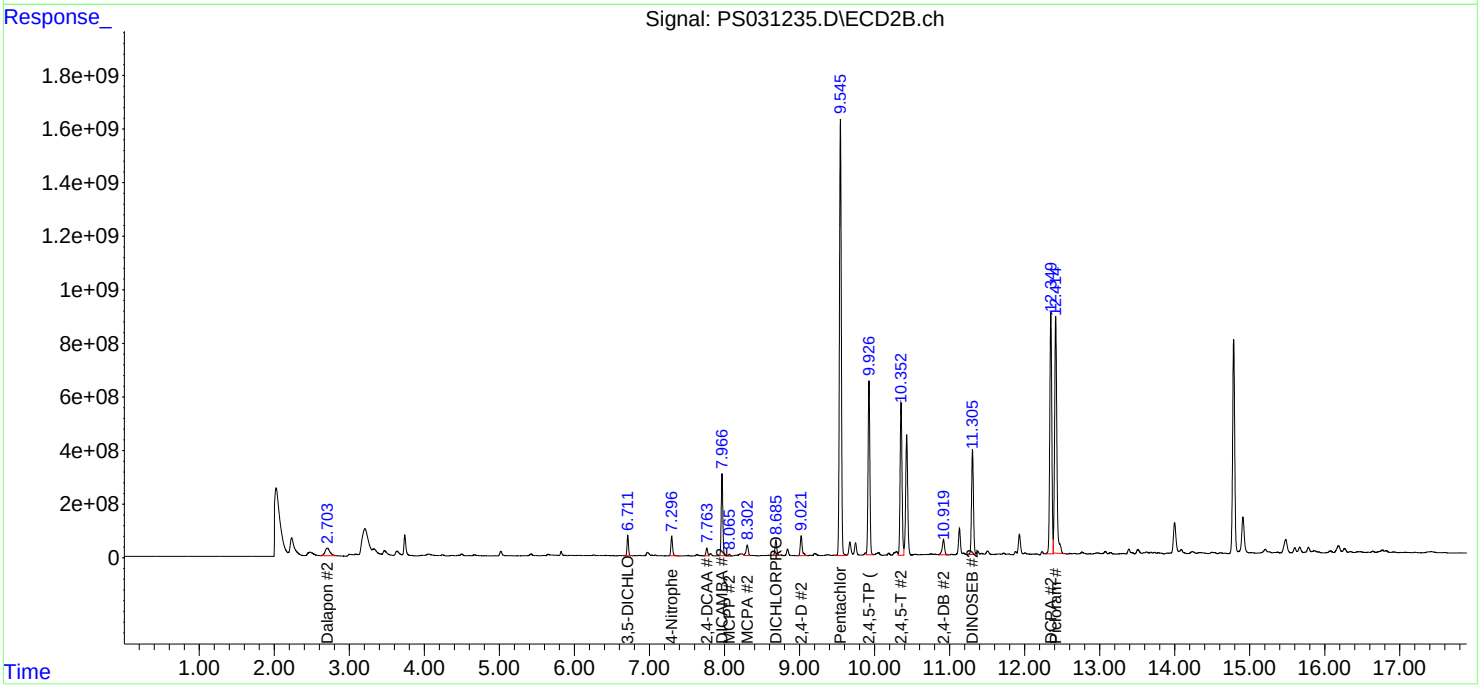
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 03:43:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
ECD_S
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025





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

Manual Integration Report

Sequence:	ps072125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS031158.D	2,4-DCAA	Abdul	7/22/2025 7:56:52 AM	mohammad	7/23/2025 1:33:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031222.D	2,4-D	yogesh	7/25/2025 8:14:31 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DB	yogesh	7/25/2025 8:14:31 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DCAA	yogesh	7/25/2025 8:14:31 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	DCPA #2	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	DINOSEB	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	Pentachlorophenol	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	Picloram	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	2,4-DB #2	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	Dalapon	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	Dalapon #2	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	DCPA #2	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	DINOSEB	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2641-02MS	PS031234.D	MCPA #2	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MS	PS031234.D	Picloram	yogesh	7/25/2025 8:14:46 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	2,4-DB #2	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	Dalapon	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	Dalapon #2	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	DCPA #2	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	DINOSEB	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	MCPA #2	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2641-02MSD	PS031235.D	Picloram	yogesh	7/25/2025 8:14:48 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
PB169001BS	PS031237.D	2,4-D #2	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
PB169001BS	PS031237.D	2,4-DB #2	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
PB169001BS	PS031237.D	Dalapon	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169001BS	PS031237.D	Dalapon #2	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
PB169001BS	PS031237.D	DINOSEB	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
PB169001BS	PS031237.D	Picloram	yogesh	7/25/2025 8:14:50 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	DCPA #2	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	DINOSEB	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	Pentachlorophenol	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	Picloram	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	DCPA #2	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	DINOSEB	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	Pentachlorophenol	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	Picloram	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	2,4-D	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031260.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	Dalapon #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	MCPP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS072925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031275.D	2,4-DB #2	Abdul	7/30/2025 8:36:01 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1000	PS031278.D	MCPP #2	Abdul	7/30/2025 8:36:04 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	MCPP #2	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031282.D	MCPP #2	Abdul	7/30/2025 8:36:12 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	DCPA #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	MCPP #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	DICHLORPROP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	MCPP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	Ps073125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031333.D	3,5-DICHLOROBENZOIC ACID	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	DCPA	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	DCPA #2	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	DICAMBA #2	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	MCPP	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	MCPP #2	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031333.D	Picloram	yogesh	8/1/2025 7:45:59 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	3,5-DICHLOROBENZOIC ACID	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	DCPA	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	DCPA #2	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	DICAMBA #2	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	MCPA	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	MCPP	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software

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

Manual Integration Report

Sequence:	Ps073125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031336.D	MCPP #2	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031336.D	Picloram	yogesh	8/1/2025 7:46:02 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	2,4-D	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	3,5-DICHLOROBENZOIC ACID	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	DCPA	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	DCPA #2	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	DICAMBA	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	DICAMBA #2	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	MCPP	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	MCPP #2	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	Peak Integrated by Software
HSTDCCC750	PS031339.D	Picloram	yogesh	8/1/2025 7:46:04 AM	mohammad	8/1/2025 7:55:16	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 # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 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	PS031155.D	21 Jul 2025 14:14	AR\AJ	Ok
2	I.BLK	PS031156.D	21 Jul 2025 14:38	AR\AJ	Ok
3	HSTDICC200	PS031157.D	21 Jul 2025 15:02	AR\AJ	Ok
4	HSTDICC500	PS031158.D	21 Jul 2025 15:26	AR\AJ	Ok,M
5	HSTDICC750	PS031159.D	21 Jul 2025 15:51	AR\AJ	Ok
6	HSTDICC1000	PS031160.D	21 Jul 2025 16:15	AR\AJ	Ok
7	HSTDICC1500	PS031161.D	21 Jul 2025 16:39	AR\AJ	Ok
8	HSTDICV750	PS031162.D	21 Jul 2025 17:03	AR\AJ	Ok
9	I.BLK	PS031163.D	21 Jul 2025 17:27	AR\AJ	Ok
10	HSTDCCC750	PS031164.D	21 Jul 2025 17:51	AR\AJ	Ok
11	Q2529-10	PS031165.D	21 Jul 2025 18:15	AR\AJ	Not Ok
12	Q2529-10MS	PS031166.D	21 Jul 2025 18:40	AR\AJ	Not Ok
13	Q2529-10MSD	PS031167.D	21 Jul 2025 19:04	AR\AJ	Not Ok
14	PB168886BS	PS031168.D	21 Jul 2025 19:28	AR\AJ	Ok
15	I.BLK	PS031169.D	21 Jul 2025 19:52	AR\AJ	Ok
16	HSTDCCC750	PS031170.D	21 Jul 2025 20:16	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 AM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 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	PS031220.D	24 Jul 2025 10:10	AR\AJ	Ok
2	I.BLK	PS031221.D	24 Jul 2025 10:35	AR\AJ	Ok
3	HSTDCCC750	PS031222.D	24 Jul 2025 12:03	AR\AJ	Ok,M
4	Q2638-11	PS031223.D	24 Jul 2025 13:44	AR\AJ	Ok
5	Q2638-11MS	PS031224.D	24 Jul 2025 14:08	AR\AJ	Ok,M
6	Q2638-11MSD	PS031225.D	24 Jul 2025 14:38	AR\AJ	Ok,M
7	Q2558-01MS	PS031226.D	24 Jul 2025 15:02	AR\AJ	Ok,M
8	Q2558-01MSD	PS031227.D	24 Jul 2025 15:26	AR\AJ	Ok,M
9	Q2638-13	PS031228.D	24 Jul 2025 15:50	AR\AJ	Ok,M
10	Q2638-05	PS031229.D	24 Jul 2025 16:14	AR\AJ	Ok
11	Q2638-07	PS031230.D	24 Jul 2025 16:39	AR\AJ	Ok
12	Q2641-02	PS031231.D	24 Jul 2025 17:03	AR\AJ	Ok
13	I.BLK	PS031232.D	24 Jul 2025 17:27	AR\AJ	Ok
14	HSTDCCC750	PS031233.D	24 Jul 2025 18:39	AR\AJ	Ok,M
15	Q2641-02MS	PS031234.D	24 Jul 2025 19:04	AR\AJ	Ok,M
16	Q2641-02MSD	PS031235.D	24 Jul 2025 19:28	AR\AJ	Ok,M
17	PB169001BL	PS031236.D	24 Jul 2025 19:52	AR\AJ	Ok
18	PB169001BS	PS031237.D	24 Jul 2025 20:16	AR\AJ	Ok,M
19	PB168919TB	PS031238.D	24 Jul 2025 20:40	AR\AJ	Ok
20	PB168926TB	PS031239.D	24 Jul 2025 21:04	AR\AJ	Ok
21	PB168953TB	PS031240.D	24 Jul 2025 21:29	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 # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 AM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 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	PB168969TB	PS031241.D	24 Jul 2025 21:53	AR\AJ	Ok
23	I.BLK	PS031242.D	24 Jul 2025 22:17	AR\AJ	Ok
24	HSTDCCC750	PS031243.D	24 Jul 2025 23:29	AR\AJ	Ok,M
25	Q2481-12	PS031244.D	24 Jul 2025 23:53	AR\AJ	Not Ok
26	Q2481-15	PS031245.D	25 Jul 2025 00:17	AR\AJ	Ok,M
27	Q2667-01	PS031246.D	25 Jul 2025 00:41	AR\AJ	Ok
28	Q2667-02	PS031247.D	25 Jul 2025 01:05	AR\AJ	Ok
29	Q2481-19	PS031248.D	25 Jul 2025 01:29	AR\AJ	Ok
30	Q2481-21	PS031249.D	25 Jul 2025 01:53	AR\AJ	Ok
31	Q2446-03	PS031250.D	25 Jul 2025 02:18	AR\AJ	Not Ok
32	I.BLK	PS031251.D	25 Jul 2025 02:42	AR\AJ	Ok
33	HSTDCCC750	PS031252.D	25 Jul 2025 03:54	AR\AJ	Ok,M
34	Q2481-13	PS031253.D	25 Jul 2025 04:18	AR\AJ	Ok
35	Q2481-14	PS031254.D	25 Jul 2025 04:43	AR\AJ	Ok
36	Q2481-16	PS031255.D	25 Jul 2025 05:07	AR\AJ	Ok
37	Q2481-17	PS031256.D	25 Jul 2025 05:31	AR\AJ	Ok
38	Q2481-18	PS031257.D	25 Jul 2025 05:55	AR\AJ	Not Ok
39	Q2481-20	PS031258.D	25 Jul 2025 06:19	AR\AJ	Ok
40	I.BLK	PS031259.D	25 Jul 2025 06:43	AR\AJ	Ok
41	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	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 # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42	AR\AJ	Ok
2	I.BLK	PS031274.D	29 Jul 2025 16:06	AR\AJ	Ok
3	HSTDICC200	PS031275.D	29 Jul 2025 16:30	AR\AJ	Ok,M
4	HSTDICC500	PS031276.D	29 Jul 2025 16:54	AR\AJ	Ok
5	HSTDICC750	PS031277.D	29 Jul 2025 17:18	AR\AJ	Ok
6	HSTDICC1000	PS031278.D	29 Jul 2025 17:42	AR\AJ	Ok,M
7	HSTDICC1500	PS031279.D	29 Jul 2025 18:07	AR\AJ	Ok,M
8	HSTDICV750	PS031280.D	29 Jul 2025 18:31	AR\AJ	Ok
9	I.BLK	PS031281.D	29 Jul 2025 18:55	AR\AJ	Ok
10	HSTDCCC750	PS031282.D	29 Jul 2025 19:19	AR\AJ	Ok,M
11	Q2668-01	PS031283.D	29 Jul 2025 19:43	AR\AJ	Ok
12	Q2668-05	PS031284.D	29 Jul 2025 20:07	AR\AJ	Ok
13	Q2668-09	PS031285.D	29 Jul 2025 20:32	AR\AJ	Ok
14	PB169024BL	PS031286.D	29 Jul 2025 20:56	AR\AJ	Ok
15	PB169024BS	PS031287.D	29 Jul 2025 21:20	AR\AJ	Ok,M
16	Q2668-09MS	PS031288.D	29 Jul 2025 21:44	AR\AJ	Ok,M
17	Q2668-09MSD	PS031289.D	29 Jul 2025 22:08	AR\AJ	Ok,M
18	Q2691-01	PS031290.D	29 Jul 2025 22:32	AR\AJ	Not Ok
19	Q2691-07	PS031291.D	29 Jul 2025 22:57	AR\AJ	ReRun
20	I.BLK	PS031292.D	29 Jul 2025 23:21	AR\AJ	Ok
21	HSTDCCC750	PS031293.D	29 Jul 2025 23:45	AR\AJ	Ok,M

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 # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PB169037BL	PS031294.D	30 Jul 2025 00:09	AR\AJ	Ok
23	PB169037BS	PS031295.D	30 Jul 2025 00:33	AR\AJ	Ok
24	PB168986TB	PS031296.D	30 Jul 2025 00:57	AR\AJ	Ok
25	Q2681-01	PS031297.D	30 Jul 2025 01:20	AR\AJ	Ok
26	Q2681-01MS	PS031298.D	30 Jul 2025 01:44	AR\AJ	Ok,M
27	Q2681-01MSD	PS031299.D	30 Jul 2025 02:09	AR\AJ	Ok,M
28	I.BLK	PS031300.D	30 Jul 2025 02:33	AR\AJ	Ok
29	HSTDCCC750	PS031301.D	30 Jul 2025 02:57	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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073125

Review By	yogesh	Review On	8/1/2025 7:46:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:16 AM		
SubDirectory	PS073125	HP Acquire Method		HP Processing Method	ps072925 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	PS031331.D	31 Jul 2025 08:36	AR\AJ	Ok
2	I.BLK	PS031332.D	31 Jul 2025 09:00	AR\AJ	Ok
3	HSTDCCC750	PS031333.D	31 Jul 2025 10:45	AR\AJ	Ok,M
4	Q2639-05	PS031334.D	31 Jul 2025 11:12	AR\AJ	Ok,M
5	I.BLK	PS031335.D	31 Jul 2025 11:36	AR\AJ	Ok
6	HSTDCCC750	PS031336.D	31 Jul 2025 12:00	AR\AJ	Ok,M
7	Q2646-03	PS031337.D	31 Jul 2025 13:39	AR\AJ	Ok
8	I.BLK	PS031338.D	31 Jul 2025 15:19	AR\AJ	Ok
9	HSTDCCC750	PS031339.D	31 Jul 2025 15:43	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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 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	PS031155.D	21 Jul 2025 14:14		AR\AJ	Ok
2	I.BLK	I.BLK	PS031156.D	21 Jul 2025 14:38		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031157.D	21 Jul 2025 15:02		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS031158.D	21 Jul 2025 15:26		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031159.D	21 Jul 2025 15:51		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031160.D	21 Jul 2025 16:15		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031161.D	21 Jul 2025 16:39		AR\AJ	Ok
8	HSTDICV750	ICVPS072125	PS031162.D	21 Jul 2025 17:03		AR\AJ	Ok
9	I.BLK	I.BLK	PS031163.D	21 Jul 2025 17:27		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031164.D	21 Jul 2025 17:51		AR\AJ	Ok
11	Q2529-10	TP-30	PS031165.D	21 Jul 2025 18:15	already analyzed	AR\AJ	Not Ok
12	Q2529-10MS	TP-30MS	PS031166.D	21 Jul 2025 18:40	some compound recovery fail ,already analyzed	AR\AJ	Not Ok
13	Q2529-10MSD	TP-30MSD	PS031167.D	21 Jul 2025 19:04	some compound recovery fail , RPD fail,already analyzed	AR\AJ	Not Ok
14	PB168886BS	PB168886BS	PS031168.D	21 Jul 2025 19:28		AR\AJ	Ok
15	I.BLK	I.BLK	PS031169.D	21 Jul 2025 19:52		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031170.D	21 Jul 2025 20:16		AR\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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 AM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 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	PS031220.D	24 Jul 2025 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PS031221.D	24 Jul 2025 10:35		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031222.D	24 Jul 2025 12:03		AR\AJ	Ok,M
4	Q2638-11	OU4-TS-36-071725	PS031223.D	24 Jul 2025 13:44		AR\AJ	Ok
5	Q2638-11MS	OU4-TS-36-071725MS	PS031224.D	24 Jul 2025 14:08		AR\AJ	Ok,M
6	Q2638-11MSD	OU4-TS-36-071725MS	PS031225.D	24 Jul 2025 14:38		AR\AJ	Ok,M
7	Q2558-01MS	OU4-TS-Denali-070925	PS031226.D	24 Jul 2025 15:02		AR\AJ	Ok,M
8	Q2558-01MSD	OU4-TS-Denali-070925	PS031227.D	24 Jul 2025 15:26		AR\AJ	Ok,M
9	Q2638-13	OU4-TS-37-071725	PS031228.D	24 Jul 2025 15:50		AR\AJ	Ok,M
10	Q2638-05	OU4-TS-33-071725	PS031229.D	24 Jul 2025 16:14		AR\AJ	Ok
11	Q2638-07	OU4-TS-34-071725	PS031230.D	24 Jul 2025 16:39		AR\AJ	Ok
12	Q2641-02	P001-CONCRETE001-	PS031231.D	24 Jul 2025 17:03		AR\AJ	Ok
13	I.BLK	I.BLK	PS031232.D	24 Jul 2025 17:27		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS031233.D	24 Jul 2025 18:39		AR\AJ	Ok,M
15	Q2641-02MS	P001-CONCRETE001-	PS031234.D	24 Jul 2025 19:04		AR\AJ	Ok,M
16	Q2641-02MSD	P001-CONCRETE001-	PS031235.D	24 Jul 2025 19:28		AR\AJ	Ok,M
17	PB169001BL	PB169001BL	PS031236.D	24 Jul 2025 19:52		AR\AJ	Ok
18	PB169001BS	PB169001BS	PS031237.D	24 Jul 2025 20:16		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 # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 AM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 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	PB168919TB	PB168919TB	PS031238.D	24 Jul 2025 20:40		AR\AJ	Ok
20	PB168926TB	PB168926TB	PS031239.D	24 Jul 2025 21:04		AR\AJ	Ok
21	PB168953TB	PB168953TB	PS031240.D	24 Jul 2025 21:29		AR\AJ	Ok
22	PB168969TB	PB168969TB	PS031241.D	24 Jul 2025 21:53		AR\AJ	Ok
23	I.BLK	I.BLK	PS031242.D	24 Jul 2025 22:17		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS031243.D	24 Jul 2025 23:29		AR\AJ	Ok,M
25	Q2481-12	CC0627-AL	PS031244.D	24 Jul 2025 23:53	bad injection	AR\AJ	Not Ok
26	Q2481-15	CC0627-AOXL	PS031245.D	25 Jul 2025 00:17		AR\AJ	Ok,M
27	Q2667-01	C0AP2	PS031246.D	25 Jul 2025 00:41		AR\AJ	Ok
28	Q2667-02	C0AP3	PS031247.D	25 Jul 2025 01:05		AR\AJ	Ok
29	Q2481-19	CC0627-CLOXAL	PS031248.D	25 Jul 2025 01:29	f falg,	AR\AJ	Ok
30	Q2481-21	CC0627-SFBL	PS031249.D	25 Jul 2025 01:53		AR\AJ	Ok
31	Q2446-03	MR-BUR-LNG-13	PS031250.D	25 Jul 2025 02:18	bad injection, TYPO	AR\AJ	Not Ok
32	I.BLK	I.BLK	PS031251.D	25 Jul 2025 02:42		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS031252.D	25 Jul 2025 03:54		AR\AJ	Ok,M
34	Q2481-13	CC0627-CLOXPL	PS031253.D	25 Jul 2025 04:18	Surrogate fail in 1st col.END CCC FAIL	AR\AJ	Ok
35	Q2481-14	CC0625-OXBL	PS031254.D	25 Jul 2025 04:43	Surrogate fail, END CCC FAIL, F flag	AR\AJ	Ok
36	Q2481-16	CC0625-NL	PS031255.D	25 Jul 2025 05:07	Surrogate fail, END CCC FAIL, F flag	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 # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 AM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 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	

37	Q2481-17	CC0267-OXPL	PS031256.D	25 Jul 2025 05:31	Surrogate fail, END CCC FAIL, F flag	AR\AJ	Ok
38	Q2481-18	CC0627-OXL	PS031257.D	25 Jul 2025 05:55	bad injection, surrogate not detected	AR\AJ	Not Ok
39	Q2481-20	CC0627-BL	PS031258.D	25 Jul 2025 06:19	Surrogate fail 2nd col, END CCC FAIL, F flag	AR\AJ	Ok
40	I.BLK	I.BLK	PS031259.D	25 Jul 2025 06:43	Surrogate low in both column, bad injection	AR\AJ	Ok
41	HSTDCCC750	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	most of compounds are fail	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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS031274.D	29 Jul 2025 16:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031275.D	29 Jul 2025 16:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031276.D	29 Jul 2025 16:54		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031277.D	29 Jul 2025 17:18		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031278.D	29 Jul 2025 17:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS031279.D	29 Jul 2025 18:07		AR\AJ	Ok,M
8	HSTDICV750	ICVPS072925	PS031280.D	29 Jul 2025 18:31		AR\AJ	Ok
9	I.BLK	I.BLK	PS031281.D	29 Jul 2025 18:55		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031282.D	29 Jul 2025 19:19		AR\AJ	Ok,M
11	Q2668-01	TP-2	PS031283.D	29 Jul 2025 19:43		AR\AJ	Ok
12	Q2668-05	TP-3	PS031284.D	29 Jul 2025 20:07		AR\AJ	Ok
13	Q2668-09	TP-1	PS031285.D	29 Jul 2025 20:32		AR\AJ	Ok
14	PB169024BL	PB169024BL	PS031286.D	29 Jul 2025 20:56		AR\AJ	Ok
15	PB169024BS	PB169024BS	PS031287.D	29 Jul 2025 21:20		AR\AJ	Ok,M
16	Q2668-09MS	TP-1MS	PS031288.D	29 Jul 2025 21:44	Some compound recovery fail	AR\AJ	Ok,M
17	Q2668-09MSD	TP-1MSD	PS031289.D	29 Jul 2025 22:08	Some compound recovery fail	AR\AJ	Ok,M
18	Q2691-01	295	PS031290.D	29 Jul 2025 22:32	surrogate fail in both column	AR\AJ	Not 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 # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	Q2691-07	299	PS031291.D	29 Jul 2025 22:57	Surrogate fail in 1st col	AR\AJ	ReRun
20	I.BLK	I.BLK	PS031292.D	29 Jul 2025 23:21		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS031293.D	29 Jul 2025 23:45		AR\AJ	Ok,M
22	PB169037BL	PB169037BL	PS031294.D	30 Jul 2025 00:09		AR\AJ	Ok
23	PB169037BS	PB169037BS	PS031295.D	30 Jul 2025 00:33		AR\AJ	Ok
24	PB168986TB	PB168986TB	PS031296.D	30 Jul 2025 00:57		AR\AJ	Ok
25	Q2681-01	NYPA-POUCH-SPENT-	PS031297.D	30 Jul 2025 01:20		AR\AJ	Ok
26	Q2681-01MS	NYPA-POUCH-SPENT-	PS031298.D	30 Jul 2025 01:44	Recovery fail	AR\AJ	Ok,M
27	Q2681-01MSD	NYPA-POUCH-SPENT-	PS031299.D	30 Jul 2025 02:09	Recovery fail	AR\AJ	Ok,M
28	I.BLK	I.BLK	PS031300.D	30 Jul 2025 02:33		AR\AJ	Ok
29	HSTDCCC750	HSTDCCC750	PS031301.D	30 Jul 2025 02:57		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_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073125

Review By	yogesh	Review On	8/1/2025 7:46:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 7:55:16 AM		
SubDirectory	PS073125	HP Acquire Method		HP Processing Method	ps072925 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	PS031331.D	31 Jul 2025 08:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS031332.D	31 Jul 2025 09:00		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031333.D	31 Jul 2025 10:45		AR\AJ	Ok,M
4	Q2639-05	OU4-TS-40-071725	PS031334.D	31 Jul 2025 11:12		AR\AJ	Ok,M
5	I.BLK	I.BLK	PS031335.D	31 Jul 2025 11:36		AR\AJ	Ok
6	HSTDCCC750	HSTDCCC750	PS031336.D	31 Jul 2025 12:00		AR\AJ	Ok,M
7	Q2646-03	FRAC TANK	PS031337.D	31 Jul 2025 13:39		AR\AJ	Ok
8	I.BLK	I.BLK	PS031338.D	31 Jul 2025 15:19		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031339.D	31 Jul 2025 15:43		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : 115525

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
N/A	N/A	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	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. q2646-03 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 1130	JP ICP Room	SKS. RJ / LFT
	Preparation Group	Analysis Group ICP/MS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168926

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	<0.5	N/A

Q2646

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q q2646 **WorkList ID :** 190828 **Department :** TCLP Extraction **Date :** 07-18-2025 15:02:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2646-03	FRAC TANK	Water	TCLP Extraction	Cool 4 deg C	ENVI60	O11	07/18/2025	1311

543 of 689

Date/Time 07/18/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 18:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169001

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/23/2025
Matrix :	Water			**Extraction Start Time :**	11:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/24/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	12:10
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,7	**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	PP24654
Surrogate	1.0ML	5000 PPB	PP24737
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	E3952
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	E3956
METHANOL	N/A	V14622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.Q2481 all samples used Limited volume as samples are not regular environmental samples its chemical treated samples.

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
7/24/25	RS (Ext Lab)	R. Post/PCB Lab
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169001

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168919TB	PB168919TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			SEP-1
PB168926TB	PB168926TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			2
PB168953TB	PB168953TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			3
PB168969TB	PB168969TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			4
PB169001BL	HBLK001	TCLP Herbicide	1000	6	RUPESH	ritesh	10			5
PB169001BS	HLCS001	TCLP Herbicide	1000	6	RUPESH	ritesh	10			6
Q2481-12	CC0627-AL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	7
Q2481-13	CC0627-CLOXPL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	8
Q2481-14	CC0625-OXBL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	9
Q2481-15	CC0627-AOXL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	10
Q2481-16	CC0625-NL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	11
Q2481-17	CC0267-OXPL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	12
Q2481-18	CC0627-OXL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	13
Q2481-19	CC0627-CLOXAL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	14
Q2481-20	CC0627-BL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	15
Q2481-21	CC0627-SFBL	TCLP Herbicide	10	6	RUPESH	ritesh	10	A	Chemical Treated	16
Q2641-02	P001-CONCRETE001-01	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		SEP-1
Q2641-02MS	P001-CONCRETE001-01MS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		2
Q2641-02MSD	P001-CONCRETE001-01MSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		3
Q2646-03	FRAC TANK	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		4
Q2667-01	C0AP2	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		5
Q2667-02	C0AP3	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		6

RS 7/24

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168969

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
PB168969TB	LEB969	N/A	N/A	N/A	N/A	N/A	N/A	4.94	N/A	N/A
Q2481-12	CC0627-AL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-13	CC0627-CLOXPL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-14	CC0625-OXBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-15	CC0627-AOXL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-16	CC0625-NL	N/A	N/A	N/A	N/A	N/A	N/A	10.0	N/A	N/A
Q2481-17	CC0267-OXPL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-18	CC0627-OXL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-19	CC0627-CLOXAL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-20	CC0627-BL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-21	CC0627-SFBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A

07/23/25
11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168953

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
PB168953TB	LEB953	11	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q2655-02	SOIL	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2660-02	MOO-25-0205	02	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2660-04	MOO-25-0218	03	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2667-01	C0AP2	04	100.01	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2667-02	C0AP3	05	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-1
Q2668-04	TP-2	06	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2668-08	TP-3	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2668-12	TP-1	08	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2672-02	AUD-25-0123-0127	09	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2672-04	AUD-25-0128-0132	10	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1

04/23/25
11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

04/21/25
11:30

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168919

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
PB168919TB	LEB919	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2622-04	2819	01	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2641-02	P001-CONCRETE001-01	02	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2645-03	RW5B-CARBON-20250716	03	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2649-04	WC-1	04	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2649-08	WC-2	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2649-12	WC-3	06	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2649-16	WC-4	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2649-20	WC-5	08	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2649-24	WC-6	09	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1

07/24/25 11:30

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

LAB CHRONICLE

OrderID:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**WATER**			**07/18/25**			**07/18/25**
			PCB	8082A		07/22/25	07/23/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP Herbicide	8151A		07/23/25	07/31/25	

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.: Q2646 **Order ID:** Q2646

Client: Environmental Restoration, LLC **Project ID:** North Arlington, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : FRAC TANK								
Q2646-01	FRAC TANK	Water	Aluminum	9280		142	1250	ug/L
Q2646-01	FRAC TANK	Water	Barium	472	J	182	1250	ug/L
Q2646-01	FRAC TANK	Water	Calcium	540000		2930	25000	ug/L
Q2646-01	FRAC TANK	Water	Chromium	92.4	J	26.5	125	ug/L
Q2646-01	FRAC TANK	Water	Copper	703		57.5	250	ug/L
Q2646-01	FRAC TANK	Water	Iron	53500		293	1250	ug/L
Q2646-01	FRAC TANK	Water	Lead	80.2	J	28.8	150	ug/L
Q2646-01	FRAC TANK	Water	Magnesium	49000		3050	25000	ug/L
Q2646-01	FRAC TANK	Water	Manganese	1930		74.3	250	ug/L
Q2646-01	FRAC TANK	Water	Nickel	162	J	38.3	500	ug/L
Q2646-01	FRAC TANK	Water	Potassium	73200		11500	25000	ug/L
Q2646-01	FRAC TANK	Water	Sodium	196000		10900	25000	ug/L
Q2646-01	FRAC TANK	Water	Vanadium	91.7	J	78.3	500	ug/L
Q2646-01	FRAC TANK	Water	Zinc	1950		208	500	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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	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	9280		1	142	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-36-0	Antimony	84.5	U	1	84.5	625	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-38-2	Arsenic	64.0	U	1	64.0	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-39-3	Barium	472	J	1	182	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-41-7	Beryllium	7.00	U	1	7.00	75.0	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-43-9	Cadmium	6.25	U	1	6.25	75.0	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-70-2	Calcium	540000		1	2930	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-47-3	Chromium	92.4	J	1	26.5	125	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-48-4	Cobalt	28.3	U	1	28.3	375	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-50-8	Copper	703		1	57.5	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-89-6	Iron	53500		1	293	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-92-1	Lead	80.2	J	1	28.8	150	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-95-4	Magnesium	49000		1	3050	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-96-5	Manganese	1930		1	74.3	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-97-6	Mercury	0.076	UN	1	0.076	0.20	ug/L	07/21/25 14:15	07/22/25 17:40	7470A	
7440-02-0	Nickel	162	J	1	38.3	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-09-7	Potassium	73200		1	11500	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7782-49-2	Selenium	121	U	1	121	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-22-4	Silver	20.3	U	1	20.3	125	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-23-5	Sodium	196000		1	10900	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-28-0	Thallium	54.8	U	1	54.8	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-62-2	Vanadium	91.7	J	1	78.3	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-66-6	Zinc	1950		1	208	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010

Color Before:	Brown	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Mercury				

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:15	LB136570

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:58	LB136570

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	12:27	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	12:27	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	12:27	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	12:27	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	12:27	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	12:27	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	12:27	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	12:27	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	12:27	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	13:05	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	13:05	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	13:05	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	13:05	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	13:05	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	13:05	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
CCB02	Aluminum	11.3	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	14:09	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	14:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	14:09	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	14:09	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	14:09	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	14:09	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	14:09	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	14:09	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
CCB03	Aluminum	11.3	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	15:26	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	15:26	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	15:26	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	15:26	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	15:26	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
CCB04	Aluminum	11.3	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	16:17	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	16:17	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	16:17	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	16:17	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	16:17	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	16:17	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
CCB05	Aluminum	11.3	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	17:18	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	17:18	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	17:18	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	17:18	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	17:18	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
CCB06	Aluminum	11.3	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	18:09	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	18:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:09	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	18:09	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	18:09	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	18:09	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	18:09	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:09	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
CCB07	Aluminum	11.3	+/-50	U	100	P	07/22/2025	18:58	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	18:58	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:58	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	18:58	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:58	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	18:58	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Iron	25.2	+/-50	J	100	P	07/22/2025	18:58	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	18:58	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Zinc	17.9	+/-20	J	40.0	P	07/22/2025	18:58	LB136571
CCB08	Aluminum	11.3	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	19:23	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	19:23	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	19:23	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	19:23	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	19:23	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	19:23	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	19:23	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	19:23	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	19:23	LB136571

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168961BL		**WATER**		**Batch Number:**	**PB168961**		**Prep Date:**	**07/21/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	07/22/2025	17:21	LB136570

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168932BL		**WATER**		**Batch Number:**	**PB168932**		**Prep Date:**	**07/21/2025**	
	Aluminum	5.67	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Antimony	3.38	<12.5	U	25.0	P	07/22/2025	15:05	LB136571
	Arsenic	2.56	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Barium	7.28	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Beryllium	0.28	<1.5	U	3.00	P	07/22/2025	15:05	LB136571
	Cadmium	0.25	<1.5	U	3.00	P	07/22/2025	15:05	LB136571
	Calcium	117	<500	U	1000	P	07/22/2025	15:05	LB136571
	Chromium	1.06	<2.5	U	5.00	P	07/22/2025	15:05	LB136571
	Cobalt	1.13	<7.5	U	15.0	P	07/22/2025	15:05	LB136571
	Copper	2.30	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Iron	11.7	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Lead	1.15	<3	U	6.00	P	07/22/2025	15:05	LB136571
	Magnesium	122	<500	U	1000	P	07/22/2025	15:05	LB136571
	Manganese	2.97	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Nickel	1.53	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Potassium	459	<500	U	1000	P	07/22/2025	15:05	LB136571
	Selenium	4.82	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Silver	0.81	<2.5	U	5.00	P	07/22/2025	15:05	LB136571
	Sodium	434	<500	U	1000	P	07/22/2025	15:05	LB136571
	Thallium	2.19	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Vanadium	3.13	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Zinc	8.33	<10	U	20.0	P	07/22/2025	15:05	LB136571

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: Environmental Restoration, LLC
SDG No.: Q2646
Contract: ENVI60
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

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: Environmental Restoration, LLC
SDG No.: Q2646
Contract: ENVI60
Lab Code: ACE
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	8040	8000	100	90 - 110	P	07/22/2025	12:03	LB136571
	Antimony	4100	4000	103	90 - 110	P	07/22/2025	12:03	LB136571
	Arsenic	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Barium	8140	8000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Beryllium	203	200	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cadmium	1950	2000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Calcium	20300	20000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Chromium	819	800	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cobalt	2030	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Copper	1030	1000	103	90 - 110	P	07/22/2025	12:03	LB136571
	Iron	4060	4000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Lead	3800	4000	95	90 - 110	P	07/22/2025	12:03	LB136571
	Magnesium	20200	20000	101	90 - 110	P	07/22/2025	12:03	LB136571
	Manganese	2030	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Nickel	2040	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Potassium	19900	20000	99	90 - 110	P	07/22/2025	12:03	LB136571
	Selenium	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Silver	1040	1000	104	90 - 110	P	07/22/2025	12:03	LB136571
	Sodium	19600	20000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Thallium	3770	4000	94	90 - 110	P	07/22/2025	12:03	LB136571
	Vanadium	2010	2000	100	90 - 110	P	07/22/2025	12:03	LB136571
	Zinc	2050	2000	102	90 - 110	P	07/22/2025	12:03	LB136571

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: Environmental Restoration, LLC
SDG No.: Q2646
Contract: ENVI60
Lab Code: ACE
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	108	100	108	80 - 120	P	07/22/2025	12:10	LB136571
	Antimony	52.5	50.0	105	80 - 120	P	07/22/2025	12:10	LB136571
	Arsenic	21.8	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Barium	101	100	102	80 - 120	P	07/22/2025	12:10	LB136571
	Beryllium	6.30	6.0	105	80 - 120	P	07/22/2025	12:10	LB136571
	Cadmium	5.75	6.0	96	80 - 120	P	07/22/2025	12:10	LB136571
	Calcium	2130	2000	107	80 - 120	P	07/22/2025	12:10	LB136571
	Chromium	10.8	10.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Cobalt	29.8	30.0	99	80 - 120	P	07/22/2025	12:10	LB136571
	Copper	21.7	20.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Iron	107	100	107	80 - 120	P	07/22/2025	12:10	LB136571
	Lead	13.2	12.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Magnesium	2200	2000	110	80 - 120	P	07/22/2025	12:10	LB136571
	Manganese	22.0	20.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Nickel	40.9	40.0	102	80 - 120	P	07/22/2025	12:10	LB136571
	Potassium	2100	2000	105	80 - 120	P	07/22/2025	12:10	LB136571
	Selenium	21.7	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Silver	10.4	10.0	104	80 - 120	P	07/22/2025	12:10	LB136571
	Sodium	1840	2000	92	80 - 120	P	07/22/2025	12:10	LB136571
	Thallium	39.5	40.0	99	80 - 120	P	07/22/2025	12:10	LB136571
	Vanadium	40.4	40.0	101	80 - 120	P	07/22/2025	12:10	LB136571
	Zinc	42.6	40.0	106	80 - 120	P	07/22/2025	12:10	LB136571

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: Environmental Restoration, LLC
SDG No.: Q2646
Contract: ENVI60
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Antimony	5050	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Arsenic	5010	5000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Barium	10100	10000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Beryllium	247	250	99	90 - 110	P	07/22/2025	13:00	LB136571
	Cadmium	2470	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Calcium	25500	25000	102	90 - 110	P	07/22/2025	13:00	LB136571
	Chromium	984	1000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Cobalt	2480	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Copper	1260	1250	101	90 - 110	P	07/22/2025	13:00	LB136571
	Iron	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Lead	4920	5000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Magnesium	25000	25000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Manganese	2530	2500	101	90 - 110	P	07/22/2025	13:00	LB136571
	Nickel	2490	2500	100	90 - 110	P	07/22/2025	13:00	LB136571
	Potassium	24900	25000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Selenium	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Silver	1260	1250	100	90 - 110	P	07/22/2025	13:00	LB136571
	Sodium	24500	25000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Thallium	5170	5000	103	90 - 110	P	07/22/2025	13:00	LB136571
	Vanadium	2500	2500	100	90 - 110	P	07/22/2025	13:00	LB136571
	Zinc	2530	2500	101	90 - 110	P	07/22/2025	13:00	LB136571
CCV02	Aluminum	10100	10000	101	90 - 110	P	07/22/2025	14:05	LB136571
	Antimony	5150	5000	103	90 - 110	P	07/22/2025	14:05	LB136571
	Arsenic	5090	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Barium	10500	10000	105	90 - 110	P	07/22/2025	14:05	LB136571
	Beryllium	250	250	100	90 - 110	P	07/22/2025	14:05	LB136571
	Cadmium	2490	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Calcium	26000	25000	104	90 - 110	P	07/22/2025	14:05	LB136571
	Chromium	976	1000	98	90 - 110	P	07/22/2025	14:05	LB136571
	Cobalt	2510	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Copper	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
	Iron	5020	5000	100	90 - 110	P	07/22/2025	14:05	LB136571
	Lead	4970	5000	99	90 - 110	P	07/22/2025	14:05	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24700	25000	99	90 - 110	P	07/22/2025	14:05	LB136571
	Manganese	2570	2500	103	90 - 110	P	07/22/2025	14:05	LB136571
	Nickel	2520	2500	101	90 - 110	P	07/22/2025	14:05	LB136571
	Potassium	25600	25000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Selenium	5100	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Silver	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
	Sodium	23100	25000	93	90 - 110	P	07/22/2025	14:05	LB136571
	Thallium	4810	5000	96	90 - 110	P	07/22/2025	14:05	LB136571
	Vanadium	2510	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Zinc	2570	2500	103	90 - 110	P	07/22/2025	14:05	LB136571
CCV03	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	15:20	LB136571
	Antimony	5250	5000	105	90 - 110	P	07/22/2025	15:20	LB136571
	Arsenic	5210	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	15:20	LB136571
	Beryllium	262	250	105	90 - 110	P	07/22/2025	15:20	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	15:20	LB136571
	Calcium	26800	25000	107	90 - 110	P	07/22/2025	15:20	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	15:20	LB136571
	Cobalt	2560	2500	103	90 - 110	P	07/22/2025	15:20	LB136571
	Copper	1310	1250	104	90 - 110	P	07/22/2025	15:20	LB136571
	Iron	5150	5000	103	90 - 110	P	07/22/2025	15:20	LB136571
	Lead	5110	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Magnesium	25900	25000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Manganese	2660	2500	107	90 - 110	P	07/22/2025	15:20	LB136571
	Nickel	2590	2500	103	90 - 110	P	07/22/2025	15:20	LB136571
	Potassium	25800	25000	103	90 - 110	P	07/22/2025	15:20	LB136571
	Selenium	5230	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Silver	1310	1250	105	90 - 110	P	07/22/2025	15:20	LB136571
	Sodium	23600	25000	94	90 - 110	P	07/22/2025	15:20	LB136571
	Thallium	5070	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Vanadium	2610	2500	104	90 - 110	P	07/22/2025	15:20	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	15:20	LB136571
CCV04	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Antimony	5280	5000	106	90 - 110	P	07/22/2025	16:13	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	5220	5000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Beryllium	257	250	103	90 - 110	P	07/22/2025	16:13	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	16:13	LB136571
	Calcium	27000	25000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	16:13	LB136571
	Cobalt	2570	2500	103	90 - 110	P	07/22/2025	16:13	LB136571
	Copper	1310	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
	Iron	5270	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Lead	5100	5000	102	90 - 110	P	07/22/2025	16:13	LB136571
	Magnesium	25900	25000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Manganese	2670	2500	107	90 - 110	P	07/22/2025	16:13	LB136571
	Nickel	2590	2500	104	90 - 110	P	07/22/2025	16:13	LB136571
	Potassium	26500	25000	106	90 - 110	P	07/22/2025	16:13	LB136571
	Selenium	5240	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
	Sodium	23800	25000	95	90 - 110	P	07/22/2025	16:13	LB136571
	Thallium	5150	5000	103	90 - 110	P	07/22/2025	16:13	LB136571
	Vanadium	2620	2500	105	90 - 110	P	07/22/2025	16:13	LB136571
	Zinc	2660	2500	106	90 - 110	P	07/22/2025	16:13	LB136571
CCV05	Aluminum	10400	10000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Antimony	5210	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Arsenic	5170	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	17:14	LB136571
	Beryllium	263	250	105	90 - 110	P	07/22/2025	17:14	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	17:14	LB136571
	Calcium	27100	25000	108	90 - 110	P	07/22/2025	17:14	LB136571
	Chromium	1020	1000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Cobalt	2560	2500	103	90 - 110	P	07/22/2025	17:14	LB136571
	Copper	1300	1250	104	90 - 110	P	07/22/2025	17:14	LB136571
	Iron	5300	5000	106	90 - 110	P	07/22/2025	17:14	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Magnesium	26100	25000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Manganese	2680	2500	107	90 - 110	P	07/22/2025	17:14	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2590	2500	103	90 - 110	P	07/22/2025	17:14	LB136571
	Potassium	26000	25000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Selenium	5180	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Silver	1320	1250	106	90 - 110	P	07/22/2025	17:14	LB136571
	Sodium	23800	25000	95	90 - 110	P	07/22/2025	17:14	LB136571
	Thallium	5000	5000	100	90 - 110	P	07/22/2025	17:14	LB136571
	Vanadium	2610	2500	104	90 - 110	P	07/22/2025	17:14	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	17:14	LB136571
CCV06	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Antimony	5240	5000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Arsenic	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	18:05	LB136571
	Beryllium	264	250	106	90 - 110	P	07/22/2025	18:05	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	18:05	LB136571
	Calcium	27100	25000	108	90 - 110	P	07/22/2025	18:05	LB136571
	Chromium	1040	1000	104	90 - 110	P	07/22/2025	18:05	LB136571
	Cobalt	2570	2500	103	90 - 110	P	07/22/2025	18:05	LB136571
	Copper	1300	1250	104	90 - 110	P	07/22/2025	18:05	LB136571
	Iron	5390	5000	108	90 - 110	P	07/22/2025	18:05	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	18:05	LB136571
	Magnesium	26400	25000	106	90 - 110	P	07/22/2025	18:05	LB136571
	Manganese	2700	2500	108	90 - 110	P	07/22/2025	18:05	LB136571
	Nickel	2590	2500	104	90 - 110	P	07/22/2025	18:05	LB136571
	Potassium	26300	25000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Selenium	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	18:05	LB136571
	Sodium	24600	25000	98	90 - 110	P	07/22/2025	18:05	LB136571
	Thallium	4640	5000	93	90 - 110	P	07/22/2025	18:05	LB136571
	Vanadium	2630	2500	105	90 - 110	P	07/22/2025	18:05	LB136571
	Zinc	2690	2500	108	90 - 110	P	07/22/2025	18:05	LB136571
CCV07	Aluminum	10400	10000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Antimony	5250	5000	105	90 - 110	P	07/22/2025	18:54	LB136571
	Arsenic	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	18:54	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	267	250	107	90 - 110	P	07/22/2025	18:54	LB136571
	Cadmium	2570	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Calcium	26900	25000	107	90 - 110	P	07/22/2025	18:54	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Cobalt	2580	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Copper	1310	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
	Iron	5140	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Lead	5130	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Magnesium	26200	25000	105	90 - 110	P	07/22/2025	18:54	LB136571
	Manganese	2680	2500	107	90 - 110	P	07/22/2025	18:54	LB136571
	Nickel	2600	2500	104	90 - 110	P	07/22/2025	18:54	LB136571
	Potassium	25200	25000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Selenium	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
	Sodium	23300	25000	93	90 - 110	P	07/22/2025	18:54	LB136571
	Thallium	4570	5000	91	90 - 110	P	07/22/2025	18:54	LB136571
	Vanadium	2620	2500	105	90 - 110	P	07/22/2025	18:54	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	18:54	LB136571
CCV08	Aluminum	10600	10000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Antimony	5340	5000	107	90 - 110	P	07/22/2025	19:19	LB136571
	Arsenic	5260	5000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	19:19	LB136571
	Beryllium	270	250	108	90 - 110	P	07/22/2025	19:19	LB136571
	Cadmium	2580	2500	103	90 - 110	P	07/22/2025	19:19	LB136571
	Calcium	27200	25000	109	90 - 110	P	07/22/2025	19:19	LB136571
	Chromium	1050	1000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Cobalt	2600	2500	104	90 - 110	P	07/22/2025	19:19	LB136571
	Copper	1320	1250	105	90 - 110	P	07/22/2025	19:19	LB136571
	Iron	5340	5000	107	90 - 110	P	07/22/2025	19:19	LB136571
	Lead	5150	5000	103	90 - 110	P	07/22/2025	19:19	LB136571
	Magnesium	26600	25000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Manganese	2720	2500	109	90 - 110	P	07/22/2025	19:19	LB136571
	Nickel	2610	2500	104	90 - 110	P	07/22/2025	19:19	LB136571
	Potassium	25900	25000	104	90 - 110	P	07/22/2025	19:19	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	5290	5000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	19:19	LB136571
	Sodium	24500	25000	98	90 - 110	P	07/22/2025	19:19	LB136571
	Thallium	5010	5000	100	90 - 110	P	07/22/2025	19:19	LB136571
	Vanadium	2660	2500	106	90 - 110	P	07/22/2025	19:19	LB136571
	Zinc	2710	2500	108	90 - 110	P	07/22/2025	19:19	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	102	100	102	65 - 135	P	07/22/2025	12:32	LB136571
	Antimony	54.5	50.0	109	65 - 135	P	07/22/2025	12:32	LB136571
	Arsenic	20.5	20.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Barium	99.5	100	100	65 - 135	P	07/22/2025	12:32	LB136571
	Beryllium	6.00	6.0	100	65 - 135	P	07/22/2025	12:32	LB136571
	Cadmium	5.65	6.0	94	65 - 135	P	07/22/2025	12:32	LB136571
	Calcium	2100	2000	105	65 - 135	P	07/22/2025	12:32	LB136571
	Chromium	10.5	10.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Cobalt	29.6	30.0	99	65 - 135	P	07/22/2025	12:32	LB136571
	Copper	21.6	20.0	108	65 - 135	P	07/22/2025	12:32	LB136571
	Iron	108	100	108	65 - 135	P	07/22/2025	12:32	LB136571
	Lead	12.4	12.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Magnesium	2170	2000	109	65 - 135	P	07/22/2025	12:32	LB136571
	Manganese	22.5	20.0	113	65 - 135	P	07/22/2025	12:32	LB136571
	Nickel	41.2	40.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Potassium	2030	2000	102	65 - 135	P	07/22/2025	12:32	LB136571
	Selenium	21.2	20.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Silver	9.69	10.0	97	65 - 135	P	07/22/2025	12:32	LB136571
	Sodium	1770	2000	88	65 - 135	P	07/22/2025	12:32	LB136571
	Thallium	39.6	40.0	99	65 - 135	P	07/22/2025	12:32	LB136571
	Vanadium	35.2	40.0	88	65 - 135	P	07/22/2025	12:32	LB136571
	Zinc	43.8	40.0	110	65 - 135	P	07/22/2025	12:32	LB136571
CRA	Mercury	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	252000	255000	99	216000	294000	07/22/2025	12:37	LB136571
	Antimony	-2.10			-50	50	07/22/2025	12:37	LB136571
	Arsenic	10.7			-20	20	07/22/2025	12:37	LB136571
	Barium	2.26	6.0	38	-94	106	07/22/2025	12:37	LB136571
	Beryllium	0.54			-6	6	07/22/2025	12:37	LB136571
	Cadmium	-1.25	1.0	125	-5	7	07/22/2025	12:37	LB136571
	Calcium	242000	245000	99	208000	282000	07/22/2025	12:37	LB136571
	Chromium	55.9	52.0	108	42	62	07/22/2025	12:37	LB136571
	Cobalt	2.22			-30	30	07/22/2025	12:37	LB136571
	Copper	20.9	2.0	1045	-18	22	07/22/2025	12:37	LB136571
	Iron	102000	101000	101	85600	116500	07/22/2025	12:37	LB136571
	Lead	-3.81			-12	12	07/22/2025	12:37	LB136571
	Magnesium	256000	255000	100	216000	294000	07/22/2025	12:37	LB136571
	Manganese	7.79	7.0	111	-13	27	07/22/2025	12:37	LB136571
	Nickel	3.78	2.0	189	-38	42	07/22/2025	12:37	LB136571
	Potassium	199			0	0	07/22/2025	12:37	LB136571
	Selenium	-9.01			-20	20	07/22/2025	12:37	LB136571
	Silver	3.81			-10	10	07/22/2025	12:37	LB136571
	Sodium	63.1			0	0	07/22/2025	12:37	LB136571
	Thallium	9.30			-40	40	07/22/2025	12:37	LB136571
	Vanadium	4.76			-40	40	07/22/2025	12:37	LB136571
	Zinc	2.48			-40	40	07/22/2025	12:37	LB136571
ICSAB01	Aluminum	251000	247000	102	209000	285000	07/22/2025	12:48	LB136571
	Antimony	583	618	94	525	711	07/22/2025	12:48	LB136571
	Arsenic	103	104	99	88.4	120	07/22/2025	12:48	LB136571
	Barium	494	537	92	437	637	07/22/2025	12:48	LB136571
	Beryllium	474	495	96	420	570	07/22/2025	12:48	LB136571
	Cadmium	914	972	94	826	1120	07/22/2025	12:48	LB136571
	Calcium	243000	235000	103	199000	271000	07/22/2025	12:48	LB136571
	Chromium	536	542	99	460	624	07/22/2025	12:48	LB136571
	Cobalt	480	476	101	404	548	07/22/2025	12:48	LB136571
	Copper	476	511	93	434	588	07/22/2025	12:48	LB136571
	Iron	101000	99300	102	84400	114500	07/22/2025	12:48	LB136571
	Lead	42.1	49.0	86	37	61	07/22/2025	12:48	LB136571
	Magnesium	255000	248000	103	210000	286000	07/22/2025	12:48	LB136571
	Manganese	486	507	96	430	584	07/22/2025	12:48	LB136571
	Nickel	961	954	101	810	1100	07/22/2025	12:48	LB136571
	Potassium	-46.0			0	0	07/22/2025	12:48	LB136571
	Selenium	40.7	46.0	88	26	66	07/22/2025	12:48	LB136571
	Silver	210	201	104	170	232	07/22/2025	12:48	LB136571
	Sodium	3.98			0	0	07/22/2025	12:48	LB136571
	Thallium	104	108	96	68	148	07/22/2025	12:48	LB136571

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	12:48	LB136571
	Zinc	1020	952	107	809	1095	07/22/2025	12:48	LB136571

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2640-01 **client id:** ELMORA-WATERMS

Percent Solids for Sample: NA **Spiked ID:** Q2640-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.62		0.20	U	4.0	66	N	CV

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2640-01 **client id:** ELMORA-WATERMSD

Percent Solids for Sample: NA **Spiked ID:** Q2640-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.41		0.20	U	4.0	60	N	CV

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2644-02 **client id:** RW8-SP303-20250717MS

Percent Solids for Sample: NA **Spiked ID:** Q2644-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1010		25.3	J	1000	99		P
Antimony	ug/L	88 - 113	394		25.0	U	400	98		P
Arsenic	ug/L	87 - 113	371		10.0	U	400	93		P
Barium	ug/L	88 - 113	103		50.0	U	100	103		P
Beryllium	ug/L	89 - 112	95.5		3.00	U	100	96		P
Cadmium	ug/L	88 - 113	89.7		3.00	U	100	90		P
Calcium	ug/L	87 - 113	2760		2250		500	102		P
Chromium	ug/L	90 - 113	194		5.00	U	200	97		P
Cobalt	ug/L	89 - 114	98.9		3.54	J	100	95		P
Copper	ug/L	86 - 114	151		2.60	J	150	99		P
Iron	ug/L	87 - 115	1530		54.6		1500	98		P
Lead	ug/L	86 - 113	447		6.00	U	500	89		P
Magnesium	ug/L	85 - 113	1840		874	J	1000	97		P
Manganese	ug/L	90 - 114	113		9.95	J	100	103		P
Nickel	ug/L	88 - 113	245		4.63	J	250	96		P
Potassium	ug/L	86 - 114	5130		1000	U	5000	103		P
Selenium	ug/L	83 - 114	909		10.0	U	1000	91		P
Silver	ug/L	84 - 115	36.0		5.00	U	37.5	96		P
Sodium	ug/L	87 - 115	8460		6990		1500	98		P
Thallium	ug/L	85 - 114	851		20.0	U	1000	85		P
Vanadium	ug/L	90 - 111	149		20.0	U	150	99		P
Zinc	ug/L	87 - 115	121		19.4	J	100	102		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2644-02 **client id:** RW8-SP303-20250717MSD

Percent Solids for Sample: NA **Spiked ID:** Q2644-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1060		25.3	J	1000	103		P
Antimony	ug/L	88 - 113	413		25.0	U	400	103		P
Arsenic	ug/L	87 - 113	390		10.0	U	400	98		P
Barium	ug/L	88 - 113	107		50.0	U	100	107		P
Beryllium	ug/L	89 - 112	99.6		3.00	U	100	100		P
Cadmium	ug/L	88 - 113	94.1		3.00	U	100	94		P
Calcium	ug/L	87 - 113	2890		2250		500	128		P
Chromium	ug/L	90 - 113	204		5.00	U	200	102		P
Cobalt	ug/L	89 - 114	104		3.54	J	100	100		P
Copper	ug/L	86 - 114	158		2.60	J	150	104		P
Iron	ug/L	87 - 115	1600		54.6		1500	103		P
Lead	ug/L	86 - 113	469		6.00	U	500	94		P
Magnesium	ug/L	85 - 113	1920		874	J	1000	105		P
Manganese	ug/L	90 - 114	118		9.95	J	100	108		P
Nickel	ug/L	88 - 113	256		4.63	J	250	101		P
Potassium	ug/L	86 - 114	5380		1000	U	5000	108		P
Selenium	ug/L	83 - 114	964		10.0	U	1000	96		P
Silver	ug/L	84 - 115	37.3		5.00	U	37.5	100		P
Sodium	ug/L	87 - 115	9020		6990		1500	136		P
Thallium	ug/L	85 - 114	974		20.0	U	1000	97		P
Vanadium	ug/L	90 - 111	156		20.0	U	150	104		P
Zinc	ug/L	87 - 115	128		19.4	J	100	108		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** ELMORA-WATERA

Sample ID: Q2640-01 **Spiked ID:** Q2640-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.33		0.20	U	4.00	83		CV

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2640-01 **Client ID:** ELMORA-WATERDUP

Percent Solids for Sample: NA **Duplicate ID** Q2640-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2640-01MS **Client ID:** ELMORA-WATERMSD

Percent Solids for Sample: NA **Duplicate ID** Q2640-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.62		2.41		8		CV

"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: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2644-02 **Client ID:** RW8-SP303-20250717DUP

Percent Solids for Sample: NA **Duplicate ID** Q2644-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	25.3	J	31.7	J	22		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	2250		2360		5		P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	3.54	J	3.69	J	4		P
Copper	ug/L	20	2.60	J	2.88	J	10		P
Iron	ug/L	20	54.6		58.1		6		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	874	J	892	J	2		P
Manganese	ug/L	20	9.95	J	10.5		6		P
Nickel	ug/L	20	4.63	J	4.77	J	3		P
Potassium	ug/L	20	1000	U	465	J	200.0		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	6990		7270		4		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	19.4	J	20.3		5		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: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2644-02MS **Client ID:** RW8-SP303-20250717MSD

Percent Solids for Sample: NA **Duplicate ID** Q2644-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1010		1060		5		P
Antimony	ug/L	20	394		413		5		P
Arsenic	ug/L	20	371		390		5		P
Barium	ug/L	20	103		107		4		P
Beryllium	ug/L	20	95.5		99.6		4		P
Cadmium	ug/L	20	89.7		94.1		5		P
Calcium	ug/L	20	2760		2890		5		P
Chromium	ug/L	20	194		204		5		P
Cobalt	ug/L	20	98.9		104		5		P
Copper	ug/L	20	151		158		5		P
Iron	ug/L	20	1530		1600		4		P
Lead	ug/L	20	447		469		5		P
Magnesium	ug/L	20	1840		1920		4		P
Manganese	ug/L	20	113		118		4		P
Nickel	ug/L	20	245		256		4		P
Potassium	ug/L	20	5130		5380		5		P
Selenium	ug/L	20	909		964		6		P
Silver	ug/L	20	36.0		37.3		4		P
Sodium	ug/L	20	8460		9020		6		P
Thallium	ug/L	20	851		974		13		P
Vanadium	ug/L	20	149		156		5		P
Zinc	ug/L	20	121		128		6		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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168932BS							
Aluminum	ug/L	1000	1050		105	86 - 115	P
Antimony	ug/L	400	431		108	88 - 113	P
Arsenic	ug/L	400	403		101	87 - 113	P
Barium	ug/L	100	108		108	88 - 113	P
Beryllium	ug/L	100	106		106	89 - 112	P
Cadmium	ug/L	100	97.7		98	88 - 113	P
Calcium	ug/L	500	559	J	112	87 - 113	P
Chromium	ug/L	200	208		104	90 - 113	P
Cobalt	ug/L	100	103		103	89 - 114	P
Copper	ug/L	150	162		108	86 - 114	P
Iron	ug/L	1500	1580		105	87 - 115	P
Lead	ug/L	500	491		98	86 - 113	P
Magnesium	ug/L	1000	1060		106	85 - 113	P
Manganese	ug/L	100	109		109	90 - 114	P
Nickel	ug/L	250	260		104	88 - 113	P
Potassium	ug/L	5000	5170		103	86 - 114	P
Selenium	ug/L	1000	1020		102	83 - 114	P
Silver	ug/L	37.5	40.0		107	84 - 115	P
Sodium	ug/L	1500	1480		99	87 - 115	P
Thallium	ug/L	1000	1070		107	85 - 114	P
Vanadium	ug/L	150	157		105	90 - 111	P
Zinc	ug/L	100	110		110	87 - 115	P

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Environmental Restoration, LLC
SDG No.: Q2646
Contract: ENVI60
Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168961BS							
Mercury	ug/L	4.0	3.84		96	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.

ELMORA-WATERL

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **Lb No.:** lb136570 **Lab Sample ID :** Q2640-01L **SDG No.:** Q2646

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250717L

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **Lb No.:** lb136571 **Lab Sample ID :** Q2644-02L **SDG No.:** Q2646

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	25.3	J	45.2	J	78		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	2250		2240	J	1		P
Chromium	5.00	U	25.0	U			P
Cobalt	3.54	J	75.0	U	100.0		P
Copper	2.60	J	50.0	U	100.0		P
Iron	54.6		250	U	100.0		P
Lead	6.00	U	30.0	U			P
Magnesium	874	J	858	J	2		P
Manganese	9.95	J	50.0	U	100.0		P
Nickel	4.63	J	100	U	100.0		P
Potassium	1000	U	5000	U			P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	6990		6630		5		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	19.4	J	100	U	100.0		P

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Environmental Restoration, LLC **Contract:** ENVI60

Lab code: ACE **Sdg no.:** Q2646

Instrument id number: **Method:** **Run number:** LB136570

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
PB168961BL	PB168961BL	1	1721	HG
PB168961BS	PB168961BS	1	1724	HG
Q2640-01DUP	ELMORA-WATERDUP	1	1728	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
Q2640-01MS	ELMORA-WATERMS	1	1735	HG
Q2640-01MSD	ELMORA-WATERMSD	1	1737	HG
Q2646-01	FRAC TANK	1	1740	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2640-01L	ELMORA-WATERL	5	1831	HG
Q2640-01A	ELMORA-WATERA	1	1833	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Environmental Restoration, LLC **Contract:** ENVI60

Lab code: ACE **Sdg no.:** Q2646

Instrument id number: **Method:** **Run number:** LB136571

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	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	1116	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	1120	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	1124	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	1128	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	1133	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	1203	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	1210	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	1227	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	1232	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	1237	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	1248	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	1300	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	1305	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	1405	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	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168932BL	PB168932BL	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168932BS	PB168932BS	1	1515	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	1520	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	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02DUP	RW8-SP303-20250717DUP	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02L	RW8-SP303-20250717L	5	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02MS	RW8-SP303-20250717MS	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02MSD	RW8-SP303-20250717MSD	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2646-01	FRAC TANK	1	1605	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	1613	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	1617	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	1714	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	1718	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	1805	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	1809	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	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1919	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	1923	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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25**			**07/18/25**
			Mercury	7470A		07/21/25	07/22/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168932**						
PB168932BL	PB168932BL	MB	WATER	07/21/2025	50.0	25.0	
PB168932BS	PB168932BS	LCS	WATER	07/21/2025	50.0	25.0	
Q2644-02DUP	RW8-SP303-20250717DUP	DUP	WATER	07/21/2025	50.0	25.0	
Q2644-02MS	RW8-SP303-20250717MS	MS	WATER	07/21/2025	50.0	25.0	
Q2644-02MSD	RW8-SP303-20250717MSD	MSD	WATER	07/21/2025	50.0	25.0	
Q2646-01	FRAC TANK	SAM	WATER	07/21/2025	2.0	25.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168961**						
PB168961BL	PB168961BL	MB	WATER	07/21/2025	30.0	30.0	
PB168961BS	PB168961BS	LCS	WATER	07/21/2025	30.0	30.0	
Q2640-01DUP	ELMORA-WATERDUP	DUP	WATER	07/21/2025	30.0	30.0	
Q2640-01MS	ELMORA-WATERMS	MS	WATER	07/21/2025	30.0	30.0	
Q2640-01MSD	ELMORA-WATERMSD	MSD	WATER	07/21/2025	30.0	30.0	
Q2646-01	FRAC TANK	SAM	WATER	07/21/2025	30.0	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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 14:29		MOHAN	OK
2	S0.2	S0.2	CAL2	07/22/25 14:31		MOHAN	OK
3	S2.5	S2.5	CAL3	07/22/25 14:34		MOHAN	OK
4	S5	S5	CAL4	07/22/25 14:36		MOHAN	OK
5	S7.5	S7.5	CAL5	07/22/25 14:38		MOHAN	OK
6	S10	S10	CAL6	07/22/25 14:52		MOHAN	OK
7	ICV36	ICV36	ICV	07/22/25 15:13		MOHAN	OK
8	ICB36	ICB36	ICB	07/22/25 15:15		MOHAN	OK
9	CCV34	CCV34	CCV	07/22/25 15:17		MOHAN	OK
10	CCB34	CCB34	CCB	07/22/25 15:20		MOHAN	OK
11	CRA	CRA	CRDL	07/22/25 15:22		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/22/25 15:24		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/22/25 15:26		MOHAN	OK
14	PB168959BL	PB168959BL	MB	07/22/25 15:32		MOHAN	OK
15	PB168959BS	PB168959BS	LCS	07/22/25 15:37		MOHAN	OK
16	Q2638-02	OU4-TS-31-071725	SAM	07/22/25 15:39		MOHAN	OK
17	Q2638-04	OU4-TS-32-071725	SAM	07/22/25 15:42		MOHAN	OK
18	Q2638-06	OU4-TS-33-071725	SAM	07/22/25 15:44		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

19	Q2638-08	OU4-TS-34-071725	SAM	07/22/25 15:46		MOHAN	OK
20	Q2638-10	OU4-TS-35-071725	SAM	07/22/25 15:48		MOHAN	OK
21	CCV35	CCV35	CCV	07/22/25 15:54		MOHAN	OK
22	CCB35	CCB35	CCB	07/22/25 15:59		MOHAN	OK
23	Q2638-12	OU4-TS-36-071725	SAM	07/22/25 16:01		MOHAN	OK
24	Q2638-14	OU4-TS-37-071725	SAM	07/22/25 16:03		MOHAN	OK
25	Q2639-02	OU4-TS-38-071725	SAM	07/22/25 16:06		MOHAN	OK
26	Q2639-04	OU4-TS-39-071725	SAM	07/22/25 16:08		MOHAN	OK
27	Q2639-06	OU4-TS-40-071725	SAM	07/22/25 16:10		MOHAN	OK
28	Q2639-08	OU4-TS-41-071725	SAM	07/22/25 16:12		MOHAN	OK
29	Q2639-10	OU4-TS-42-071725	SAM	07/22/25 16:15		MOHAN	OK
30	Q2639-12	OU4-TS-43-071725	SAM	07/22/25 16:17		MOHAN	OK
31	Q2639-14	OU4-TS-44-071725	SAM	07/22/25 16:19		MOHAN	OK
32	Q2639-14DUP	OU4-TS-44-071725DU	DUP	07/22/25 16:22		MOHAN	OK
33	CCV36	CCV36	CCV	07/22/25 16:28		MOHAN	OK
34	CCB36	CCB36	CCB	07/22/25 16:30		MOHAN	OK
35	Q2639-14MS	OU4-TS-44-071725MS	MS	07/22/25 16:32		MOHAN	OK
36	Q2639-14MSD	OU4-TS-44-071725MS	MSD	07/22/25 16:35		MOHAN	OK
37	PB168960BL	PB168960BL	MB	07/22/25 16:37		MOHAN	OK
38	PB168960BS	PB168960BS	LCS	07/22/25 16:42		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

39	Q2641-02	P001-CONCRETE001	SAM	07/22/25 16:44		MOHAN	OK
40	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 16:46		MOHAN	OK
41	Q2646-03	FRAC TANK	SAM	07/22/25 16:49		MOHAN	OK
42	Q2649-04	WC-1	SAM	07/22/25 16:51		MOHAN	OK
43	Q2649-08	WC-2	SAM	07/22/25 16:53		MOHAN	OK
44	Q2649-12	WC-3	SAM	07/22/25 16:56		MOHAN	OK
45	CCV37	CCV37	CCV	07/22/25 16:58		MOHAN	OK
46	CCB37	CCB37	CCB	07/22/25 17:00		MOHAN	OK
47	Q2649-16	WC-4	SAM	07/22/25 17:02		MOHAN	OK
48	Q2649-20	WC-5	SAM	07/22/25 17:05		MOHAN	OK
49	Q2649-24	WC-6	SAM	07/22/25 17:07		MOHAN	OK
50	Q2649-24DUP	WC-6DUP	DUP	07/22/25 17:09		MOHAN	OK
51	Q2649-24MS	WC-6MS	MS	07/22/25 17:11		MOHAN	OK
52	Q2649-24MSD	WC-6MSD	MSD	07/22/25 17:14		MOHAN	OK
53	PB168961BL	PB168961BL	MB	07/22/25 17:21		MOHAN	OK
54	PB168961BS	PB168961BS	LCS	07/22/25 17:24		MOHAN	OK
55	Q2640-01	ELMORA-WATER	SAM	07/22/25 17:26		MOHAN	OK
56	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/22/25 17:28		MOHAN	OK
57	CCV38	CCV38	CCV	07/22/25 17:31		MOHAN	OK
58	CCB38	CCB38	CCB	07/22/25 17:33		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

59	Q2640-01MS	ELMORA-WATERMS	MS	07/22/25 17:35		MOHAN	OK
60	Q2640-01MSD	ELMORA-WATERMSI	MSD	07/22/25 17:37		MOHAN	OK
61	Q2646-01	FRAC TANK	SAM	07/22/25 17:40		MOHAN	OK
62	Q2655-03	71125	SAM	07/22/25 17:42	Hg high	MOHAN	Dilution
63	Q2655-04	71425	SAM	07/22/25 17:44		MOHAN	OK
64	Q2660-05	MOO-25-0220	SAM	07/22/25 17:48		MOHAN	OK
65	PB168959TB	PB168959TB	MB	07/22/25 17:53		MOHAN	OK
66	PB168919TB	PB168919TB	MB	07/22/25 17:55		MOHAN	OK
67	PB168926TB	PB168926TB	MB	07/22/25 17:57		MOHAN	OK
68	CCV39	CCV39	CCV	07/22/25 18:15		MOHAN	OK
69	CCB39	CCB39	CCB	07/22/25 18:20		MOHAN	OK
70	Q2639-14L	OU4-TS-44-071725L	SD	07/22/25 18:22		MOHAN	OK
71	Q2639-14A	OU4-TS-44-071725A	PS	07/22/25 18:24		MOHAN	OK
72	Q2649-24L	WC-6L	SD	07/22/25 18:27		MOHAN	OK
73	Q2649-24A	WC-6A	PS	07/22/25 18:29		MOHAN	OK
74	Q2640-01L	ELMORA-WATERL	SD	07/22/25 18:31		MOHAN	OK
75	Q2640-01A	ELMORA-WATERA	PS	07/22/25 18:33		MOHAN	OK
76	Q2655-03DL	71125DL	SAM	07/22/25 18:48	10X for Hg	MOHAN	Confirms
77	CCV40	CCV40	CCV	07/22/25 18:56		MOHAN	OK
78	CCB40	CCB40	CCB	07/22/25 18:58		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 11:11		Jaswal	OK
2	S1	S1	CAL2	07/22/25 11:16		Jaswal	OK
3	S2	S2	CAL3	07/22/25 11:20		Jaswal	OK
4	S3	S3	CAL4	07/22/25 11:24		Jaswal	OK
5	S4	S4	CAL5	07/22/25 11:28		Jaswal	OK
6	S5	S5	CAL6	07/22/25 11:33		Jaswal	OK
7	ICV01	ICV01	ICV	07/22/25 12:03		Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/22/25 12:10		Jaswal	OK
9	ICB01	ICB01	ICB	07/22/25 12:27		Jaswal	OK
10	CRI01	CRI01	CRDL	07/22/25 12:32		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/22/25 12:37		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/22/25 12:48		Jaswal	OK
13	ICSADL	ICSADL	ICSA	07/22/25 12:52		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	07/22/25 12:56		Jaswal	OK
15	CCV01	CCV01	CCV	07/22/25 13:00		Jaswal	OK
16	CCB01	CCB01	CCB	07/22/25 13:05		Jaswal	OK
17	Q2640-01	ELMORA-WATER	SAM	07/22/25 13:11		Jaswal	OK
18	Q2641-02	P001-CONCRETE001	SAM	07/22/25 13:15		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

19	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 13:20		Jaswal	OK
20	Q2649-04	WC-1	SAM	07/22/25 13:24		Jaswal	OK
21	Q2649-08	WC-2	SAM	07/22/25 13:29		Jaswal	OK
22	Q2649-12	WC-3	SAM	07/22/25 13:33		Jaswal	OK
23	Q2649-16	WC-4	SAM	07/22/25 13:38		Jaswal	OK
24	Q2649-20	WC-5	SAM	07/22/25 13:42	Confirm TCLP (Ba,Zn)	Jaswal	Not Ok
25	Q2646-03	FRAC TANK	SAM	07/22/25 13:46		Jaswal	OK
26	Q2649-24	WC-6	SAM	07/22/25 13:51		Jaswal	OK
27	CCV02	CCV02	CCV	07/22/25 14:05		Jaswal	OK
28	CCB02	CCB02	CCB	07/22/25 14:09		Jaswal	OK
29	Q2649-24DUP	WC-6DUP	DUP	07/22/25 14:25		Jaswal	OK
30	Q2649-24L	WC-6L	SD	07/22/25 14:30		Jaswal	OK
31	Q2649-24MS	WC-6MS	MS	07/22/25 14:34		Jaswal	OK
32	Q2649-24MSD	WC-6MSD	MSD	07/22/25 14:38		Jaswal	OK
33	Q2649-24A	WC-6A	PS	07/22/25 14:42	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
34	PB168919TB	PB168919TB	MB	07/22/25 14:47		Jaswal	OK
35	PB168941BL	PB168941BL	MB	07/22/25 14:56		Jaswal	OK
36	PB168941BS	PB168941BS	LCS	07/22/25 15:01		Jaswal	OK
37	PB168932BL	PB168932BL	MB	07/22/25 15:05		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

38	PB168932BS	PB168932BS	LCS	07/22/25 15:15		Jaswal	OK
39	CCV03	CCV03	CCV	07/22/25 15:20		Jaswal	OK
40	CCB03	CCB03	CCB	07/22/25 15:26		Jaswal	OK
41	Q2633-02	FIBER-GLASS-TANK	SAM	07/22/25 15:31		Jaswal	OK
42	Q2644-01	RW8-SP100-2025071	SAM	07/22/25 15:36		Jaswal	OK
43	Q2644-02	RW8-SP303-2025071	SAM	07/22/25 15:40		Jaswal	OK
44	Q2644-02DUP	RW8-SP303-2025071	DUP	07/22/25 15:44		Jaswal	OK
45	Q2644-02L	RW8-SP303-2025071	SD	07/22/25 15:48		Jaswal	OK
46	Q2644-02MS	RW8-SP303-2025071	MS	07/22/25 15:53		Jaswal	OK
47	Q2644-02MSD	RW8-SP303-2025071	MSD	07/22/25 15:57		Jaswal	OK
48	Q2644-02A	RW8-SP303-2025071	PS	07/22/25 16:01	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
49	Q2646-01	FRAC TANK	SAM	07/22/25 16:05		Jaswal	OK
50	PB168926TB	PB168926TB	MB	07/22/25 16:09		Jaswal	OK
51	CCV04	CCV04	CCV	07/22/25 16:13		Jaswal	OK
52	CCB04	CCB04	CCB	07/22/25 16:17		Jaswal	OK
53	PB168933BL	PB168933BL	MB	07/22/25 16:22		Jaswal	OK
54	Q2649-01	WC-1	SAM	07/22/25 16:36		Jaswal	OK
55	Q2649-05	WC-2	SAM	07/22/25 16:40		Jaswal	OK
56	Q2649-09	WC-3	SAM	07/22/25 16:45		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

57	PB168933BS	PB168933BS	LCS	07/22/25 16:49		Jaswal	OK
58	Q2649-13	WC-4	SAM	07/22/25 16:53		Jaswal	OK
59	Q2649-17	WC-5	SAM	07/22/25 16:57		Jaswal	OK
60	Q2649-17DUP	WC-5DUP	DUP	07/22/25 17:01		Jaswal	OK
61	Q2649-17L	WC-5L	SD	07/22/25 17:06		Jaswal	OK
62	Q2649-17MS	WC-5MS	MS	07/22/25 17:10	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
63	CCV05	CCV05	CCV	07/22/25 17:14		Jaswal	OK
64	CCB05	CCB05	CCB	07/22/25 17:18		Jaswal	OK
65	Q2649-17MSD	WC-5MSD	MSD	07/22/25 17:22	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
66	Q2649-17A	WC-5A	PS	07/22/25 17:26	0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
67	Q2649-21	WC-6	SAM	07/22/25 17:30	Ag oversaturated	Jaswal	Dilution
68	Q2658-01	PAD-072125-1	SAM	07/22/25 17:35		Jaswal	OK
69	Q2658-02	PAD-072125-2	SAM	07/22/25 17:39		Jaswal	OK
70	PB168951BL	PB168951BL	MB	07/22/25 17:43		Jaswal	OK
71	PB168951BS	PB168951BS	LCS	07/22/25 17:48		Jaswal	OK
72	Q2639-01	OU4-TS-38-071725	SAM	07/22/25 17:52		Jaswal	OK
73	Q2639-03	OU4-TS-39-071725	SAM	07/22/25 17:56		Jaswal	OK
74	Q2639-05	OU4-TS-40-071725	SAM	07/22/25 18:00		Jaswal	OK
75	CCV06	CCV06	CCV	07/22/25 18:05		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

76	CCB06	CCB06	CCB	07/22/25 18:09		Jaswal	OK
77	Q2639-07	OU4-TS-41-071725	SAM	07/22/25 18:13		Jaswal	OK
78	Q2639-09	OU4-TS-42-071725	SAM	07/22/25 18:17	Confirm result	Jaswal	Not Ok
79	Q2639-11	OU4-TS-43-071725	SAM	07/22/25 18:22		Jaswal	OK
80	Q2639-13	OU4-TS-44-071725	SAM	07/22/25 18:26		Jaswal	OK
81	Q2651-01	MH 2-1	SAM	07/22/25 18:30		Jaswal	OK
82	Q2651-01DUP	MH 2-1DUP	DUP	07/22/25 18:34		Jaswal	OK
83	Q2651-01L	MH 2-1L	SD	07/22/25 18:38		Jaswal	OK
84	Q2651-01MS	MH 2-1MS	MS	07/22/25 18:42		Jaswal	OK
85	Q2651-01MSD	MH 2-1MSD	MSD	07/22/25 18:46		Jaswal	OK
86	Q2651-01A	MH 2-1A	PS	07/22/25 18:50	0.1ml of M0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
87	CCV07	CCV07	CCV	07/22/25 18:54		Jaswal	OK
88	CCB07	CCB07	CCB	07/22/25 18:58		Jaswal	OK
89	Q2651-02	MH 6-5	SAM	07/22/25 19:03		Jaswal	OK
90	Q2651-03	MH 7-6	SAM	07/22/25 19:07		Jaswal	OK
91	Q2651-04	MH 8-7	SAM	07/22/25 19:11		Jaswal	OK
92	Q2651-05	MH 9-8	SAM	07/22/25 19:15		Jaswal	OK
93	CCV08	CCV08	CCV	07/22/25 19:19		Jaswal	OK
94	CCB08	CCB08	CCB	07/22/25 19:23		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168932

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: 07/21/2025 **Time :** 09:55 **Temp :** 96 °C

End Digest Date: 07/21/2025 **Time :** 12:56 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: [signature]

Supervisor Signature: [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	M6015
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#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 13:56	[signature]	[signature] Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168932

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168932BL	PBW932	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168932BS	LCS932	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	2
Q2633-02	FIBER-GLASS-TANK	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2640-01	ELMORA-WATER	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	4
Q2644-01	RW8-SP100-20250717	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2644-02	RW8-SP303-20250717	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2644-02MS	RW8-SP303-20250717MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	8
Q2644-02MSD	RW8-SP303-20250717MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	9
Q2644-02DUP	RW8-SP303-20250717DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2646-01	FRAC TANK	<2	2	25	Brown	Colorless	Clear	Clear	N/A	10

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168961

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 07/21/2025 **Time :** 14:15 **Temp :** 95 °C

End Digest Date: 07/21/2025 **Time :** 16:15 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: [signature]

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86433
CCV	30mL	MP86435
CRA	30mL	MP86437
Blank Spike	0.48mL	MP86425
Matrix Spike	0.48mL	MP86425

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
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	MP86426
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86428
2.5 ppb	S2.5	30mL	MP86429
5.0 ppb	S5.0	30mL	MP86430
7.5 ppb	S7.5	30mL	MP86431
10.0 ppb	S10.0	30mL	MP86432
ICV	ICV	30mL	MP86433
ICB	ICB	30mL	MP86434
CCV	CCV	30mL	MP86435
CCB	CCB	30mL	MP86436
CRI	CRI	30mL	MP86437
CHK STD	CHK STD	30mL	MP86438

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25 P ~~HG-DIG~~	MB - DIG, Lab	MB - Mercury Lab
19:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168961

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168961BL	PBW961	30	30	<2	N/A	3-39
PB168961BS	LCS961	30	30	<2	MP86425	40
Q2640-01DUP	ELMORA-WATERDUP	30	30	<2	N/A	42
Q2640-01MS	ELMORA-WATERMS	30	30	<2	MP86425	43
Q2640-01MSD	ELMORA-WATERMSD	30	30	<2	MP86425	44
Q2640-01	ELMORA-WATER	30	30	<2	N/A	41
Q2646-01	FRAC TANK	30	30	<2	N/A	45
Q2655-03	71125	30	30	<2	N/A	46
Q2655-04	71425	30	30	<2	N/A	47
Q2660-05	MOO-25-0220	30	30	<2	N/A	48

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

Hit Summary Sheet
SW-846

SDG No.:	Q2646	**Order ID:**	Q2646
Client:	Environmental Restoration, LLC	**Project ID:**	North Arlington, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : FRAC TANK								
Q2646-03	FRAC TANK	TCLP	Barium	741		72.8	500	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:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-03	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	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7440-39-3	Barium	741	N	1	72.8	500	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7439-97-6	Mercury	0.76	UN	1	0.76	2.00	ug/L	07/21/25 14:10	07/22/25 16:49	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/21/25 12:30	07/22/25 13:46	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP ICP Metals				

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:15	LB136570

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:58	LB136570

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	12:27	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	12:27	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	12:27	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	12:27	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	12:27	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	13:05	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	13:05	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	13:05	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	14:09	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	14:09	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	14:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	14:09	LB136571
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	15:26	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	15:26	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	16:17	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	16:17	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	17:18	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	17:18	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
CCB06	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:09	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	18:09	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	07/22/2025	18:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:09	LB136571
CCB07	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:58	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:58	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	18:58	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	19:23	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	19:23	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	19:23	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	19:23	LB136571

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168926TB		**WATER**		**Batch Number:**	**PB168960**		**Prep Date:**	**07/21/2025**	
	Mercury	0.76	<2	U	2.00	CV	07/22/2025	17:57	LB136570

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168960BL		**WATER**		**Batch Number:**	**PB168960**		**Prep Date:**	**07/21/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	07/22/2025	16:37	LB136570

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168926TB		**WATER**		**Batch Number:**	**PB168941**		**Prep Date:**	**07/21/2025**	
	Arsenic	25.6	<50	U	100	P	07/22/2025	16:09	LB136571
	Barium	72.8	<250	U	500	P	07/22/2025	16:09	LB136571
	Cadmium	2.50	<15	U	30.0	P	07/22/2025	16:09	LB136571
	Chromium	10.6	<25	U	50.0	P	07/22/2025	16:09	LB136571
	Lead	11.5	<30	U	60.0	P	07/22/2025	16:09	LB136571
	Selenium	48.2	<50	U	100	P	07/22/2025	16:09	LB136571
	Silver	8.10	<25	U	50.0	P	07/22/2025	16:09	LB136571

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168941BL		**WATER**		**Batch Number:**	**PB168941**		**Prep Date:**	**07/21/2025**	
	Arsenic	25.6	<50	U	100	P	07/22/2025	14:56	LB136571
	Barium	72.8	<250	U	500	P	07/22/2025	14:56	LB136571
	Cadmium	2.50	<15	U	30.0	P	07/22/2025	14:56	LB136571
	Chromium	10.6	<25	U	50.0	P	07/22/2025	14:56	LB136571
	Lead	11.5	<30	U	60.0	P	07/22/2025	14:56	LB136571
	Selenium	48.2	<50	U	100	P	07/22/2025	14:56	LB136571
	Silver	8.10	<25	U	50.0	P	07/22/2025	14:56	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

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
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

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	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Barium	8140	8000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cadmium	1950	2000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Chromium	819	800	102	90 - 110	P	07/22/2025	12:03	LB136571
	Lead	3800	4000	95	90 - 110	P	07/22/2025	12:03	LB136571
	Selenium	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Silver	1040	1000	104	90 - 110	P	07/22/2025	12:03	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.8	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Barium	101	100	102	80 - 120	P	07/22/2025	12:10	LB136571
	Cadmium	5.75	6.0	96	80 - 120	P	07/22/2025	12:10	LB136571
	Chromium	10.8	10.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Lead	13.2	12.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Selenium	21.7	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Silver	10.4	10.0	104	80 - 120	P	07/22/2025	12:10	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5010	5000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Barium	10100	10000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Cadmium	2470	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Chromium	984	1000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Lead	4920	5000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Selenium	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Silver	1260	1250	100	90 - 110	P	07/22/2025	13:00	LB136571
CCV02	Arsenic	5090	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Barium	10500	10000	105	90 - 110	P	07/22/2025	14:05	LB136571
	Cadmium	2490	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Chromium	976	1000	98	90 - 110	P	07/22/2025	14:05	LB136571
	Lead	4970	5000	99	90 - 110	P	07/22/2025	14:05	LB136571
	Selenium	5100	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Silver	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
CCV03	Arsenic	5210	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	15:20	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	15:20	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	15:20	LB136571
	Lead	5110	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Selenium	5230	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Silver	1310	1250	105	90 - 110	P	07/22/2025	15:20	LB136571
CCV04	Arsenic	5220	5000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	16:13	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	16:13	LB136571
	Lead	5100	5000	102	90 - 110	P	07/22/2025	16:13	LB136571
	Selenium	5240	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
CCV05	Arsenic	5170	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	17:14	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	17:14	LB136571
	Chromium	1020	1000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Selenium	5180	5000	104	90 - 110	P	07/22/2025	17:14	LB136571

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

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	1320	1250	106	90 - 110	P	07/22/2025	17:14	LB136571
CCV06	Arsenic	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	18:05	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	18:05	LB136571
	Chromium	1040	1000	104	90 - 110	P	07/22/2025	18:05	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	18:05	LB136571
	Selenium	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	18:05	LB136571
CCV07	Arsenic	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	18:54	LB136571
	Cadmium	2570	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Lead	5130	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Selenium	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
CCV08	Arsenic	5260	5000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	19:19	LB136571
	Cadmium	2580	2500	103	90 - 110	P	07/22/2025	19:19	LB136571
	Chromium	1050	1000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Lead	5150	5000	103	90 - 110	P	07/22/2025	19:19	LB136571
	Selenium	5290	5000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	19:19	LB136571

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	Arsenic	20.5	20.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Barium	99.5	100	100	65 - 135	P	07/22/2025	12:32	LB136571
	Cadmium	5.65	6.0	94	65 - 135	P	07/22/2025	12:32	LB136571
	Chromium	10.5	10.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Lead	12.4	12.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Selenium	21.2	20.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Silver	9.69	10.0	97	65 - 135	P	07/22/2025	12:32	LB136571
CRA	Mercury	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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	10.7			-20	20	07/22/2025	12:37	LB136571
	Barium	2.26	6.0	38	-94	106	07/22/2025	12:37	LB136571
	Cadmium	-1.25	1.0	125	-5	7	07/22/2025	12:37	LB136571
	Chromium	55.9	52.0	108	42	62	07/22/2025	12:37	LB136571
	Lead	-3.81			-12	12	07/22/2025	12:37	LB136571
	Selenium	-9.01			-20	20	07/22/2025	12:37	LB136571
	Silver	3.81			-10	10	07/22/2025	12:37	LB136571
ICSAB01	Arsenic	103	104	99	88.4	120	07/22/2025	12:48	LB136571
	Barium	494	537	92	437	637	07/22/2025	12:48	LB136571
	Cadmium	914	972	94	826	1120	07/22/2025	12:48	LB136571
	Chromium	536	542	99	460	624	07/22/2025	12:48	LB136571
	Lead	42.1	49.0	86	37	61	07/22/2025	12:48	LB136571
	Selenium	40.7	46.0	88	26	66	07/22/2025	12:48	LB136571
	Silver	210	201	104	170	232	07/22/2025	12:48	LB136571

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2649-24 **client id:** WC-6MS

Percent Solids for Sample: NA **Spiked ID:** Q2649-24MS **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	87 - 113	4230		100	U	4000	106		P
Barium	ug/L	88 - 113	2520		1260		1000	127	N	P
Cadmium	ug/L	88 - 113	1010		30.0	U	1000	101		P
Chromium	ug/L	90 - 113	2030		50.0	U	2000	102		P
Lead	ug/L	86 - 113	4900		64.2		5000	97		P
Mercury	ug/L	82 - 119	26.3		2.00	U	40.0	66	N	CV
Selenium	ug/L	83 - 114	10700		100	U	10000	107		P
Silver	ug/L	84 - 115	394		50.0	U	380	104		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646

contract: ENVI60 **lab code:** ACE

matrix: Water **sample id:** Q2649-24 **client id:** WC-6MSD

Percent Solids for Sample: NA **Spiked ID:** Q2649-24MSD **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	87 - 113	4100		100	U	4000	102		P
Barium	ug/L	88 - 113	2690		1260		1000	144	N	P
Cadmium	ug/L	88 - 113	984		30.0	U	1000	98		P
Chromium	ug/L	90 - 113	2000		50.0	U	2000	100		P
Lead	ug/L	86 - 113	4770		64.2		5000	94		P
Mercury	ug/L	82 - 119	27.3		2.00	U	40.0	68	N	CV
Selenium	ug/L	83 - 114	10300		100	U	10000	103		P
Silver	ug/L	84 - 115	388		50.0	U	380	102		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** WC-6A

Sample ID: Q2649-24 **Spiked ID:** Q2649-24A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	2410		1260		1000	115	N	P
Mercury	ug/L	82 - 119	32.6		2.00	U	40.0	82		CV

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2649-24 **Client ID:** WC-6DUP

Percent Solids for Sample: NA **Duplicate ID** Q2649-24DUP **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	1260		1470		15		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	64.2		75.6		16		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: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2649-24MS **Client ID:** WC-6MSD

Percent Solids for Sample: NA **Duplicate ID** Q2649-24MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4230		4100		3		P
Barium	ug/L	20	2520		2690		7		P
Cadmium	ug/L	20	1010		984		3		P
Chromium	ug/L	20	2030		2000		1		P
Lead	ug/L	20	4900		4770		3		P
Mercury	ug/L	20	26.3		27.3		4		CV
Selenium	ug/L	20	10700		10300		4		P
Silver	ug/L	20	394		388		2		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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168941BS							
Arsenic	ug/L	4000	3990		100	87 - 113	P
Barium	ug/L	1000	1080		108	88 - 113	P
Cadmium	ug/L	1000	976		98	88 - 113	P
Chromium	ug/L	2000	2050		102	90 - 113	P
Lead	ug/L	5000	4910		98	86 - 113	P
Selenium	ug/L	10000	10100		101	83 - 114	P
Silver	ug/L	380	398		105	84 - 115	P

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168960BS							
Mercury	ug/L	4.0	4.00		100	82 - 119	CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

WC-6L

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **Lb No.:** lb136571 **Lab Sample ID :** Q2649-24L **SDG No.:** Q2646

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	1260		1300	J	3		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	64.2		89.1	J	39		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: Environmental Restoration, LLC **Contract:** ENVI60

Lab code: ACE **Sdg no.:** Q2646

Instrument id number: **Method:** **Run number:** LB136570

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
PB168960BL	PB168960BL	1	1637	HG
PB168960BS	PB168960BS	1	1642	HG
Q2646-03	FRAC TANK	1	1649	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
Q2649-24DUP	WC-6DUP	1	1709	HG
Q2649-24MS	WC-6MS	1	1711	HG
Q2649-24MSD	WC-6MSD	1	1714	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
PB168926TB	PB168926TB	1	1757	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2649-24L	WC-6L	5	1827	HG
Q2649-24A	WC-6A	1	1829	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Environmental Restoration, LLC **Contract:** ENVI60

Lab code: ACE **Sdg no.:** Q2646

Instrument id number: **Method:** **Run number:** LB136571

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1116	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1120	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1124	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1128	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1133	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1203	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1210	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1227	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1232	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1237	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1248	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1300	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1305	Ag,As,Ba,Cd,Cr,Pb,Se
Q2646-03	FRAC TANK	1	1346	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24DUP	WC-6DUP	1	1425	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24L	WC-6L	5	1430	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MS	WC-6MS	1	1434	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MSD	WC-6MSD	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24A	WC-6A	1	1442	Ba
PB168941BL	PB168941BL	1	1456	Ag,As,Ba,Cd,Cr,Pb,Se
PB168941BS	PB168941BS	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1520	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1526	Ag,As,Ba,Cd,Cr,Pb,Se
PB168926TB	PB168926TB	1	1609	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1613	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1617	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1714	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1718	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1805	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1809	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1854	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1858	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1919	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1923	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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE

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:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25**			**07/18/25**
			Mercury	7470A		07/21/25	07/22/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP ICP Metals	6010D		07/21/25	07/22/25	
			TCLP Mercury	7470A		07/21/25	07/22/25	

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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168941**						
PB168926TB	PB168926TB	MB	WATER	07/21/2025	5.0	25.0	
PB168941BL	PB168941BL	MB	WATER	07/21/2025	5.0	25.0	
PB168941BS	PB168941BS	LCS	WATER	07/21/2025	5.0	25.0	
Q2646-03	FRAC TANK	SAM	WATER	07/21/2025	5.0	25.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	5.0	25.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	5.0	25.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	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: Environmental Restoration, LLC **SDG No.:** Q2646

Contract: ENVI60 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168960**						
PB168926TB	PB168926TB	MB	WATER	07/21/2025	3.0	30.0	
PB168960BL	PB168960BL	MB	WATER	07/21/2025	30.0	30.0	
PB168960BS	PB168960BS	LCS	WATER	07/21/2025	30.0	30.0	
Q2646-03	FRAC TANK	SAM	WATER	07/21/2025	3.0	30.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	3.0	30.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	3.0	30.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 14:29		MOHAN	OK
2	S0.2	S0.2	CAL2	07/22/25 14:31		MOHAN	OK
3	S2.5	S2.5	CAL3	07/22/25 14:34		MOHAN	OK
4	S5	S5	CAL4	07/22/25 14:36		MOHAN	OK
5	S7.5	S7.5	CAL5	07/22/25 14:38		MOHAN	OK
6	S10	S10	CAL6	07/22/25 14:52		MOHAN	OK
7	ICV36	ICV36	ICV	07/22/25 15:13		MOHAN	OK
8	ICB36	ICB36	ICB	07/22/25 15:15		MOHAN	OK
9	CCV34	CCV34	CCV	07/22/25 15:17		MOHAN	OK
10	CCB34	CCB34	CCB	07/22/25 15:20		MOHAN	OK
11	CRA	CRA	CRDL	07/22/25 15:22		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/22/25 15:24		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/22/25 15:26		MOHAN	OK
14	PB168959BL	PB168959BL	MB	07/22/25 15:32		MOHAN	OK
15	PB168959BS	PB168959BS	LCS	07/22/25 15:37		MOHAN	OK
16	Q2638-02	OU4-TS-31-071725	SAM	07/22/25 15:39		MOHAN	OK
17	Q2638-04	OU4-TS-32-071725	SAM	07/22/25 15:42		MOHAN	OK
18	Q2638-06	OU4-TS-33-071725	SAM	07/22/25 15:44		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

19	Q2638-08	OU4-TS-34-071725	SAM	07/22/25 15:46		MOHAN	OK
20	Q2638-10	OU4-TS-35-071725	SAM	07/22/25 15:48		MOHAN	OK
21	CCV35	CCV35	CCV	07/22/25 15:54		MOHAN	OK
22	CCB35	CCB35	CCB	07/22/25 15:59		MOHAN	OK
23	Q2638-12	OU4-TS-36-071725	SAM	07/22/25 16:01		MOHAN	OK
24	Q2638-14	OU4-TS-37-071725	SAM	07/22/25 16:03		MOHAN	OK
25	Q2639-02	OU4-TS-38-071725	SAM	07/22/25 16:06		MOHAN	OK
26	Q2639-04	OU4-TS-39-071725	SAM	07/22/25 16:08		MOHAN	OK
27	Q2639-06	OU4-TS-40-071725	SAM	07/22/25 16:10		MOHAN	OK
28	Q2639-08	OU4-TS-41-071725	SAM	07/22/25 16:12		MOHAN	OK
29	Q2639-10	OU4-TS-42-071725	SAM	07/22/25 16:15		MOHAN	OK
30	Q2639-12	OU4-TS-43-071725	SAM	07/22/25 16:17		MOHAN	OK
31	Q2639-14	OU4-TS-44-071725	SAM	07/22/25 16:19		MOHAN	OK
32	Q2639-14DUP	OU4-TS-44-071725DU	DUP	07/22/25 16:22		MOHAN	OK
33	CCV36	CCV36	CCV	07/22/25 16:28		MOHAN	OK
34	CCB36	CCB36	CCB	07/22/25 16:30		MOHAN	OK
35	Q2639-14MS	OU4-TS-44-071725MS	MS	07/22/25 16:32		MOHAN	OK
36	Q2639-14MSD	OU4-TS-44-071725MS	MSD	07/22/25 16:35		MOHAN	OK
37	PB168960BL	PB168960BL	MB	07/22/25 16:37		MOHAN	OK
38	PB168960BS	PB168960BS	LCS	07/22/25 16:42		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

39	Q2641-02	P001-CONCRETE001	SAM	07/22/25 16:44		MOHAN	OK
40	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 16:46		MOHAN	OK
41	Q2646-03	FRAC TANK	SAM	07/22/25 16:49		MOHAN	OK
42	Q2649-04	WC-1	SAM	07/22/25 16:51		MOHAN	OK
43	Q2649-08	WC-2	SAM	07/22/25 16:53		MOHAN	OK
44	Q2649-12	WC-3	SAM	07/22/25 16:56		MOHAN	OK
45	CCV37	CCV37	CCV	07/22/25 16:58		MOHAN	OK
46	CCB37	CCB37	CCB	07/22/25 17:00		MOHAN	OK
47	Q2649-16	WC-4	SAM	07/22/25 17:02		MOHAN	OK
48	Q2649-20	WC-5	SAM	07/22/25 17:05		MOHAN	OK
49	Q2649-24	WC-6	SAM	07/22/25 17:07		MOHAN	OK
50	Q2649-24DUP	WC-6DUP	DUP	07/22/25 17:09		MOHAN	OK
51	Q2649-24MS	WC-6MS	MS	07/22/25 17:11		MOHAN	OK
52	Q2649-24MSD	WC-6MSD	MSD	07/22/25 17:14		MOHAN	OK
53	PB168961BL	PB168961BL	MB	07/22/25 17:21		MOHAN	OK
54	PB168961BS	PB168961BS	LCS	07/22/25 17:24		MOHAN	OK
55	Q2640-01	ELMORA-WATER	SAM	07/22/25 17:26		MOHAN	OK
56	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/22/25 17:28		MOHAN	OK
57	CCV38	CCV38	CCV	07/22/25 17:31		MOHAN	OK
58	CCB38	CCB38	CCB	07/22/25 17:33		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

59	Q2640-01MS	ELMORA-WATERMS	MS	07/22/25 17:35		MOHAN	OK
60	Q2640-01MSD	ELMORA-WATERMSI	MSD	07/22/25 17:37		MOHAN	OK
61	Q2646-01	FRAC TANK	SAM	07/22/25 17:40		MOHAN	OK
62	Q2655-03	71125	SAM	07/22/25 17:42	Hg high	MOHAN	Dilution
63	Q2655-04	71425	SAM	07/22/25 17:44		MOHAN	OK
64	Q2660-05	MOO-25-0220	SAM	07/22/25 17:48		MOHAN	OK
65	PB168959TB	PB168959TB	MB	07/22/25 17:53		MOHAN	OK
66	PB168919TB	PB168919TB	MB	07/22/25 17:55		MOHAN	OK
67	PB168926TB	PB168926TB	MB	07/22/25 17:57		MOHAN	OK
68	CCV39	CCV39	CCV	07/22/25 18:15		MOHAN	OK
69	CCB39	CCB39	CCB	07/22/25 18:20		MOHAN	OK
70	Q2639-14L	OU4-TS-44-071725L	SD	07/22/25 18:22		MOHAN	OK
71	Q2639-14A	OU4-TS-44-071725A	PS	07/22/25 18:24		MOHAN	OK
72	Q2649-24L	WC-6L	SD	07/22/25 18:27		MOHAN	OK
73	Q2649-24A	WC-6A	PS	07/22/25 18:29		MOHAN	OK
74	Q2640-01L	ELMORA-WATERL	SD	07/22/25 18:31		MOHAN	OK
75	Q2640-01A	ELMORA-WATERA	PS	07/22/25 18:33		MOHAN	OK
76	Q2655-03DL	71125DL	SAM	07/22/25 18:48	10X for Hg	MOHAN	Confirms
77	CCV40	CCV40	CCV	07/22/25 18:56		MOHAN	OK
78	CCB40	CCB40	CCB	07/22/25 18:58		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 11:11		Jaswal	OK
2	S1	S1	CAL2	07/22/25 11:16		Jaswal	OK
3	S2	S2	CAL3	07/22/25 11:20		Jaswal	OK
4	S3	S3	CAL4	07/22/25 11:24		Jaswal	OK
5	S4	S4	CAL5	07/22/25 11:28		Jaswal	OK
6	S5	S5	CAL6	07/22/25 11:33		Jaswal	OK
7	ICV01	ICV01	ICV	07/22/25 12:03		Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/22/25 12:10		Jaswal	OK
9	ICB01	ICB01	ICB	07/22/25 12:27		Jaswal	OK
10	CRI01	CRI01	CRDL	07/22/25 12:32		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/22/25 12:37		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/22/25 12:48		Jaswal	OK
13	ICSADL	ICSADL	ICSA	07/22/25 12:52		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	07/22/25 12:56		Jaswal	OK
15	CCV01	CCV01	CCV	07/22/25 13:00		Jaswal	OK
16	CCB01	CCB01	CCB	07/22/25 13:05		Jaswal	OK
17	Q2640-01	ELMORA-WATER	SAM	07/22/25 13:11		Jaswal	OK
18	Q2641-02	P001-CONCRETE001	SAM	07/22/25 13:15		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

19	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 13:20		Jaswal	OK
20	Q2649-04	WC-1	SAM	07/22/25 13:24		Jaswal	OK
21	Q2649-08	WC-2	SAM	07/22/25 13:29		Jaswal	OK
22	Q2649-12	WC-3	SAM	07/22/25 13:33		Jaswal	OK
23	Q2649-16	WC-4	SAM	07/22/25 13:38		Jaswal	OK
24	Q2649-20	WC-5	SAM	07/22/25 13:42	Confirm TCLP (Ba,Zn)	Jaswal	Not Ok
25	Q2646-03	FRAC TANK	SAM	07/22/25 13:46		Jaswal	OK
26	Q2649-24	WC-6	SAM	07/22/25 13:51		Jaswal	OK
27	CCV02	CCV02	CCV	07/22/25 14:05		Jaswal	OK
28	CCB02	CCB02	CCB	07/22/25 14:09		Jaswal	OK
29	Q2649-24DUP	WC-6DUP	DUP	07/22/25 14:25		Jaswal	OK
30	Q2649-24L	WC-6L	SD	07/22/25 14:30		Jaswal	OK
31	Q2649-24MS	WC-6MS	MS	07/22/25 14:34		Jaswal	OK
32	Q2649-24MSD	WC-6MSD	MSD	07/22/25 14:38		Jaswal	OK
33	Q2649-24A	WC-6A	PS	07/22/25 14:42	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
34	PB168919TB	PB168919TB	MB	07/22/25 14:47		Jaswal	OK
35	PB168941BL	PB168941BL	MB	07/22/25 14:56		Jaswal	OK
36	PB168941BS	PB168941BS	LCS	07/22/25 15:01		Jaswal	OK
37	PB168932BL	PB168932BL	MB	07/22/25 15:05		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

38	PB168932BS	PB168932BS	LCS	07/22/25 15:15		Jaswal	OK
39	CCV03	CCV03	CCV	07/22/25 15:20		Jaswal	OK
40	CCB03	CCB03	CCB	07/22/25 15:26		Jaswal	OK
41	Q2633-02	FIBER-GLASS-TANK	SAM	07/22/25 15:31		Jaswal	OK
42	Q2644-01	RW8-SP100-2025071	SAM	07/22/25 15:36		Jaswal	OK
43	Q2644-02	RW8-SP303-2025071	SAM	07/22/25 15:40		Jaswal	OK
44	Q2644-02DUP	RW8-SP303-2025071	DUP	07/22/25 15:44		Jaswal	OK
45	Q2644-02L	RW8-SP303-2025071	SD	07/22/25 15:48		Jaswal	OK
46	Q2644-02MS	RW8-SP303-2025071	MS	07/22/25 15:53		Jaswal	OK
47	Q2644-02MSD	RW8-SP303-2025071	MSD	07/22/25 15:57		Jaswal	OK
48	Q2644-02A	RW8-SP303-2025071	PS	07/22/25 16:01	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
49	Q2646-01	FRAC TANK	SAM	07/22/25 16:05		Jaswal	OK
50	PB168926TB	PB168926TB	MB	07/22/25 16:09		Jaswal	OK
51	CCV04	CCV04	CCV	07/22/25 16:13		Jaswal	OK
52	CCB04	CCB04	CCB	07/22/25 16:17		Jaswal	OK
53	PB168933BL	PB168933BL	MB	07/22/25 16:22		Jaswal	OK
54	Q2649-01	WC-1	SAM	07/22/25 16:36		Jaswal	OK
55	Q2649-05	WC-2	SAM	07/22/25 16:40		Jaswal	OK
56	Q2649-09	WC-3	SAM	07/22/25 16:45		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

57	PB168933BS	PB168933BS	LCS	07/22/25 16:49		Jaswal	OK
58	Q2649-13	WC-4	SAM	07/22/25 16:53		Jaswal	OK
59	Q2649-17	WC-5	SAM	07/22/25 16:57		Jaswal	OK
60	Q2649-17DUP	WC-5DUP	DUP	07/22/25 17:01		Jaswal	OK
61	Q2649-17L	WC-5L	SD	07/22/25 17:06		Jaswal	OK
62	Q2649-17MS	WC-5MS	MS	07/22/25 17:10	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
63	CCV05	CCV05	CCV	07/22/25 17:14		Jaswal	OK
64	CCB05	CCB05	CCB	07/22/25 17:18		Jaswal	OK
65	Q2649-17MSD	WC-5MSD	MSD	07/22/25 17:22	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
66	Q2649-17A	WC-5A	PS	07/22/25 17:26	0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
67	Q2649-21	WC-6	SAM	07/22/25 17:30	Ag oversaturated	Jaswal	Dilution
68	Q2658-01	PAD-072125-1	SAM	07/22/25 17:35		Jaswal	OK
69	Q2658-02	PAD-072125-2	SAM	07/22/25 17:39		Jaswal	OK
70	PB168951BL	PB168951BL	MB	07/22/25 17:43		Jaswal	OK
71	PB168951BS	PB168951BS	LCS	07/22/25 17:48		Jaswal	OK
72	Q2639-01	OU4-TS-38-071725	SAM	07/22/25 17:52		Jaswal	OK
73	Q2639-03	OU4-TS-39-071725	SAM	07/22/25 17:56		Jaswal	OK
74	Q2639-05	OU4-TS-40-071725	SAM	07/22/25 18:00		Jaswal	OK
75	CCV06	CCV06	CCV	07/22/25 18:05		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 # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86494
CCV Standard	MP86462
ICSA Standard	MP86460,MP86495
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

76	CCB06	CCB06	CCB	07/22/25 18:09		Jaswal	OK
77	Q2639-07	OU4-TS-41-071725	SAM	07/22/25 18:13		Jaswal	OK
78	Q2639-09	OU4-TS-42-071725	SAM	07/22/25 18:17	Confirm result	Jaswal	Not Ok
79	Q2639-11	OU4-TS-43-071725	SAM	07/22/25 18:22		Jaswal	OK
80	Q2639-13	OU4-TS-44-071725	SAM	07/22/25 18:26		Jaswal	OK
81	Q2651-01	MH 2-1	SAM	07/22/25 18:30		Jaswal	OK
82	Q2651-01DUP	MH 2-1DUP	DUP	07/22/25 18:34		Jaswal	OK
83	Q2651-01L	MH 2-1L	SD	07/22/25 18:38		Jaswal	OK
84	Q2651-01MS	MH 2-1MS	MS	07/22/25 18:42		Jaswal	OK
85	Q2651-01MSD	MH 2-1MSD	MSD	07/22/25 18:46		Jaswal	OK
86	Q2651-01A	MH 2-1A	PS	07/22/25 18:50	0.1ml of M0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
87	CCV07	CCV07	CCV	07/22/25 18:54		Jaswal	OK
88	CCB07	CCB07	CCB	07/22/25 18:58		Jaswal	OK
89	Q2651-02	MH 6-5	SAM	07/22/25 19:03		Jaswal	OK
90	Q2651-03	MH 7-6	SAM	07/22/25 19:07		Jaswal	OK
91	Q2651-04	MH 8-7	SAM	07/22/25 19:11		Jaswal	OK
92	Q2651-05	MH 9-8	SAM	07/22/25 19:15		Jaswal	OK
93	CCV08	CCV08	CCV	07/22/25 19:19		Jaswal	OK
94	CCB08	CCB08	CCB	07/22/25 19:23		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168941

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: 07/21/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 07/21/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SJS

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	M6015
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#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 16:32	SJS met dig	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168919TB	PB168919TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
PB168926TB	PB168926TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
PB168941BL	PBW941	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
PB168941BS	LCS941	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	15
Q2622-04	2819	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
Q2641-02	P001-CONCRETE001-01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q2645-03	RW5B-CARBON-20250716	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q2646-03	FRAC TANK	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q2649-04	WC-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20
Q2649-08	WC-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	21
Q2649-12	WC-3	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	22
Q2649-16	WC-4	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	23
Q2649-20	WC-5	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	24
Q2649-24	WC-6	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	25
Q2649-24MS	WC-6MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	27
Q2649-24MSD	WC-6MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	28
Q2649-24DUP	WC-6DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	26

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168960

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 07/21/2025 **Time :** 14:10 **Temp :** 95 °C

End Digest Date: 07/21/2025 **Time :** 16:10 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86433
CCV	30mL	MP86435
CRA	30mL	MP86437
Blank Spike	0.48mL	MP86425
Matrix Spike	0.48mL	MP86425

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
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	MP86426
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86428
2.5 ppb	S2.5	30mL	MP86429
5.0 ppb	S5.0	30mL	MP86430
7.5 ppb	S7.5	30mL	MP86431
10.0 ppb	S10.0	30mL	MP86432
ICV	ICV	30mL	MP86433
ICB	ICB	30mL	MP86434
CCV	CCV	30mL	MP86435
CCB	CCB	30mL	MP86436
CRI	CRI	30mL	MP86437
CHK STD	CHK STD	30mL	MP86438

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25 @ 16:10	MB - Dig. Lab	MB - metals lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168960

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168919TB	PB168919TB	3	30	<2	N/A	3-23
PB168926TB	PB168926TB	3	30	<2	N/A	24
PB168960BL	PBW960	30	30	<2	N/A	25
PB168960BS	LCS960	30	30	<2	MP86425	26
Q2641-02	P001-CONCRETE001-01	3	30	<2	N/A	27
Q2645-03	RW5B-CARBON-20250716	3	30	<2	N/A	28
Q2646-03	FRAC TANK	3	30	<2	N/A	29
Q2649-04	WC-1	3	30	<2	N/A	30
Q2649-08	WC-2	3	30	<2	N/A	31
Q2649-12	WC-3	3	30	<2	N/A	32
Q2649-16	WC-4	3	30	<2	N/A	33
Q2649-20	WC-5	3	30	<2	N/A	34
Q2649-24	WC-6	3	30	<2	N/A	35
Q2649-24DUP	WC-6DUP	3	30	<2	N/A	36
Q2649-24MS	WC-6MS	3	30	<2	MP86425	37
Q2649-24MSD	WC-6MSD	3	30	<2	MP86425	38

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : 115525

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : JP

Supervisor By : 12

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

Chemical Used	ML/SAMPLE U	Lot Number
N/A	N/A	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	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. q2646-03 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 1130	JP ICP Room	SKS. RJ / GH
	Preparation Group	Analysis Group ICP/MS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168926

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168926

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	<0.5	N/A

SAMPLE DATA

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25 09:30
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	>212		1	0	0	o F		07/21/25 14:10	1010B
pH	4.66	H	1	0	0	pH		07/21/25 09:44	9040C
TSS	562		1	1.00	4.00	mg/L		07/23/25 09:30	SM 2540 D-20

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

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:	Environmental Restoration, LLC	**SDG No.:**	Q2646
Project:	North Arlington, NJ	**RunNo.:**	LB136549

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
pH		pH	7.01	7	100	90-110	07/21/2025
Sample ID:	**CCV1**						
pH		pH	2.01	2.00	101	90-110	07/21/2025
Sample ID:	**CCV2**						
pH		pH	12.02	12.00	100	90-110	07/21/2025

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

Initial and Continuing Calibration Verification

Client:	Environmental Restoration, LLC	**SDG No.:**	Q2646
Project:	North Arlington, NJ	**RunNo.:**	LB136561

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.4	81	102	78-84	07/21/2025

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

Preparation Blank Summary

Client: Environmental Restoration, LLC **SDG No.:** Q2646

Project: North Arlington, NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136573BL							
TSS	mg/L	1	2.0000	J	1	4	07/23/2025

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

Duplicate Sample Summary

Client: Environmental Restoration, LLC
SDG No.: Q2646
Project: North Arlington, NJ
Sample ID: Q2640-01
Client ID: ELMORA-WATERDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	8.83		8.84		1	0.11		07/21/2025
Flash Point	o F	+/-2	>212.0		>212.0		1	0		07/21/2025

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

Duplicate Sample Summary

Client: Environmental Restoration, LLC
SDG No.: Q2646
Project: North Arlington, NJ
Sample ID: Q2646-01
Client ID: FRAC TANKDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	562		559		1	0.54		07/23/2025

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

Laboratory Control Sample Summary

Client:	Environmental Restoration, LLC	**SDG No.:**	Q2646
Project:	North Arlington, NJ	**Run No.:**	LB136573

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136573BS								
TSS	mg/L	550	533		97	1	90-110	07/23/2025

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 # LB136549

Review By	jignesh	Review On	7/21/2025 9:59:03 AM
Supervise By	Iwona	Supervise On	7/21/2025 11:07:54 AM
SubDirectory	LB136549	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	07/21/25 09:05		jignesh	OK
2	CAL2	CAL2	CAL	07/21/25 09:06		jignesh	OK
3	CAL3	CAL3	CAL	07/21/25 09:10		jignesh	OK
4	ICV	ICV	ICV	07/21/25 09:11		jignesh	OK
5	CCV1	CCV1	CCV	07/21/25 09:15		jignesh	OK
6	Q2640-01	ELMORA-WATER	SAM	07/21/25 09:30		jignesh	OK
7	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/21/25 09:33		jignesh	OK
8	Q2646-01	FRAC TANK	SAM	07/21/25 09:44		jignesh	OK
9	CCV2	CCV2	CCV	07/21/25 09:45		jignesh	OK

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

Instrument ID: IGN-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136561

Review By	rubina	Review On	7/21/2025 3:15:40 PM
Supervise By	Iwona	Supervise On	7/21/2025 3:15:56 PM
SubDirectory	LB136561	Test	Flash Point

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	W3194

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	ICV	ICV	ICV	07/21/25 12:40		rubina	OK
2	Q2640-01	ELMORA-WATER	SAM	07/21/25 13:10		rubina	OK
3	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/21/25 13:40		rubina	OK
4	Q2646-01	FRAC TANK	SAM	07/21/25 14:10		rubina	OK

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

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB136573

Review By	jignesh	Review On	7/23/2025 10:17:52 AM
Supervise By	Iwona	Supervise On	7/23/2025 11:03:13 AM
SubDirectory	LB136573	Test	TSS

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	LB136573BL	LB136573BL	MB	07/23/25 09:30		jignesh	OK
2	LB136573BS	LB136573BS	LCS	07/23/25 09:30	55 MG W3186 + 100 ML W3112	jignesh	OK
3	Q2644-01	RW8-SP100-2025071	SAM	07/23/25 09:30		jignesh	OK
4	Q2644-02	RW8-SP303-2025071	SAM	07/23/25 09:30		jignesh	OK
5	Q2646-01	FRAC TANK	SAM	07/23/25 09:30		jignesh	OK
6	Q2646-01DUP	FRAC TANKDUP	DUP	07/23/25 09:30		jignesh	OK
7	Q2669-01	001 WILLETS PT BLV	SAM	07/23/25 09:30		jignesh	OK
8	Q2669-02	002 35th Ave (JUNE)	SAM	07/23/25 09:30		jignesh	OK

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

LAB CHRONICLE

OrderID:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25 09:30**			**07/18/25**
			Flash Point	1010B			07/21/25 14:10	
			pH	9040C			07/21/25 09:44	
			TSS	SM2540 D			07/23/25 09:30	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 2646
QUOTE NO.
COC Number 2047597

14
14.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ENVIRONMENTAL RESTORATION
ADDRESS: 627 COURT ST
CITY BINGHAMTON STATE NY ZIP 13901
ATTENTION: STEVE MOTTA
PHONE: 3146037026 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: GREENTOPIA
PROJECT NO. GR217 LOCATION: N. ARLINGTON
PROJECT MANAGER: STEVE MOTTA
e-mail: S.MOTTA@ERLLC.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: " PO#: GR217
ADDRESS: 627 COURT ST
CITY BINGHAMTON STATE: NY ZIP: 13901
ATTENTION: STEVE PHONE: 3146037026

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: TOX 2: TCLP HERB. PEST BUD 3. BTU 4 FLASHPOINT 5 PCB 6 PH/TSS/EXT 7 VOC-TCLVOA 8 TCLPVOA 9 METALS/MERC

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1. 1	FRACTANK	LIQ		X	7/18	0930	1	✓						✓			H2SO4
2. 2	FRACTANK			X			2		✓								
3. 3	FRACTANK			X			1			✓							
4. 4	FRACTANK			X			1				✓						
5. 5	FRAC TANK			X			1					✓					
6. 6	FRAC TANK			X			1						✓				
7. 8	FRACTANK			X			2							✓			HCL
8. 9	FRAC TANK			X			2								✓		
9. 10	FRAC TANK			X			1									✓	
10.				X													

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. STEVE MOTTA	7/18 1018	1. 7-18-25 1018
2.	DATE/TIME:	2.
3.	7-18-25 1220	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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 : Q2646 ENVI60
Client Name : Environmental Restoration,
Client Contact : Steve Motta
Invoice Name : Environmental Restoration,
Invoice Contact : Steve Motta

Order Date : 7/18/2025 11:47:00 AM
Project Name : North Arlington, NJ
Receive DateTime : 7/18/2025 ~~2:00:00~~ PM 12:20:00
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2646-01	FRAC TANK	Water	07/18/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :
Date / Time : 7-18-25 1300

Received By : Sam
Date / Time : 07/18/25 13:00

Storage Area : VOA Refridgerator Room