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

DATA PACKAGE

GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : COOPER CHEMICAL - LONG VALLEY NJ 2-COOP-ANS

ENVIRONMENTAL RESTORATION, LLC

110 Granby Street

Bloomfield, CT - 06002

Phone No: 516-502-6327

ORDER ID : Q2594

ATTENTION : Byron Hartman

Laboratory Certification ID # 20012

Table Of Contents for Q2594

1) Signature Page 3

2) Case Narrative 5

2.1) VOC-TCLVOA-10- Case Narrative 5

2.2) SVOC-TCL BNA -20- Case Narrative 7

2.3) Pesticide-TCL- Case Narrative 9

2.4) PCB- Case Narrative 11

3) Qualifier Page 13

4) QA Checklist 14

5) VOC-TCLVOA-10 Data 15

6) SVOC-TCL BNA -20 Data 80

7) Pesticide-TCL Data 169

8) PCB Data 259

9) Shipping Document 319

9.1) CHAIN OF CUSTODY 320

9.2) ROC 321

9.3) Lab Certificate 323

9.4) Internal COC 324

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : Environmental Restoration, LLC

Project Location : Long Valley NJ

Project Number : CC2-16

Laboratory Sample ID(s) : Q2594

Sampling Date(s) : 7/14/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **608.3, 625.1, 624.1**

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

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

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

Cover Page

Order ID : Q2594

Project ID : Cooper Chemical - Long Valley NJ 2-COOP-ANS

Client : Environmental Restoration, LLC

Lab Sample Number	Client Sample Number
Q2594-01	CC-071325-RW

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 9:24 am, Jul 30, 2025

Date: 7/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: Cooper Chemical - Long Valley NJ 2-COOP-ANS
Project # N/A
Order ID # Q2594
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/14/2025.

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 624.1.

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 for {VN0718WBSD01} with File ID: VN087361.D met criteria except for Bromomethane[42%] due to difference in results of BS and BSD.

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 CC-071325-RW was diluted due to dark yellow and foamy in nature.

E. Additional Comments:
“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”

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

The temperature of the samples at the time of receipt was 24.2°C .Lab notified this issue to the client. See the communication in shipping Document section.

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 <35% 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 > 35% 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 9:24 am, Jul 30, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: Cooper Chemical - Long Valley NJ 2-COOP-ANS
Project # N/A
Order ID # Q2594
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOC-TCL BNA -20 was based on method 625.1 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 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 for met requirements for all compounds except for 4-Chloroaniline[38%], 3-Nitroaniline[59%]and 3,3-Dichlorobenzidine [50%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for met requirements for all compounds except for 4-Chloroaniline[39%], 3-Nitroaniline[60%] and 3,3-Dichlorobenzidine [50%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

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

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF071725.M) for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol this Compound is passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
"As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."
The temperature of the samples at the time of receipt was 24.2°C, Lab notified this issue to the client. See the communication in shipping Document section.
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 <35% 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 > 35% 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 9:25 am, Jul 30, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: Cooper Chemical - Long Valley NJ 2-COOP-ANS
Project # N/A
Order ID # Q2594
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/14/2025.

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_D. 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 Pesticide-TCLs was based on method 608.3 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 except for CC-071325-RW [Decachlorobiphenyl(2)53%]this compound did not meet the NJDKQP criteria and in-house criteria but AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

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.

E. Additional Comments:
“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”
The temperature of the samples at the time of receipt was 24.2°C .Lab notified this issue to the client. See the communication in shipping Document section.

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 9:25 am, Jul 30, 2025

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

CASE NARRATIVE

Environmental Restoration, LLC
Project Name: Cooper Chemical - Long Valley NJ 2-COOP-ANS
Project # N/A
Order ID # Q2594
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 608.3 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 except for CC-071325-RW [Tetrachloro-m-xylene(2)196%]this compound did not meet the NJDKQP criteria and in-house criteria but AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken

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 PP073900.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing for 2nd column therefore no corrective action taken.

E. Additional Comments:
“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD

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

instead."

The temperature of the samples at the time of receipt was 24.2°C .Lab notified this issue to the client. See the communication in shipping Document section.

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 9:25 am, Jul 30, 2025

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 #: Q2594

	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:** 07/30/2025

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

Hit Summary Sheet
SW-846

SDG No.: Q2594

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**CC-071325-RW**							
Q2594-01	CC-071325-RW	Water	Isobutyl hexadecyl ether	* 41.0	J	0	0	ug/L
			Total Tics :	41.0				
			Total Concentration:	41.0				

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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087365.D	5	07/18/25 14:41	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.90	U	3.90	25.0	ug/L
74-87-3	Chloromethane	3.20	U	3.20	25.0	ug/L
75-01-4	Vinyl Chloride	4.20	U	4.20	25.0	ug/L
74-83-9	Bromomethane	4.00	U	4.00	25.0	ug/L
75-00-3	Chloroethane	11.6	U	11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	4.80	25.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	U	3.80	25.0	ug/L
67-64-1	Acetone	23.0	U	23.0	130	ug/L
75-15-0	Carbon Disulfide	4.10	U	4.10	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	3.90	U	3.90	25.0	ug/L
79-20-9	Methyl Acetate	4.60	U	4.60	25.0	ug/L
75-09-2	Methylene Chloride	4.30	U	4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.10	U	4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	3.40	U	3.40	25.0	ug/L
110-82-7	Cyclohexane	4.60	U	4.60	25.0	ug/L
78-93-3	2-Butanone	10.0	U	10.0	130	ug/L
56-23-5	Carbon Tetrachloride	3.70	U	3.70	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.00	U	4.00	25.0	ug/L
67-66-3	Chloroform	2.80	U	2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	25.0	ug/L
108-87-2	Methylcyclohexane	3.70	U	3.70	25.0	ug/L
71-43-2	Benzene	2.30	U	2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	2.50	U	2.50	25.0	ug/L
79-01-6	Trichloroethene	2.50	U	2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	2.30	U	2.30	25.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	15.2	U	15.2	130	ug/L
108-88-3	Toluene	2.30	U	2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.60	U	3.60	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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087365.D	5	07/18/25 14:41	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.40	U	3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	25.0	ug/L
591-78-6	2-Hexanone	15.8	U	15.8	130	ug/L
124-48-1	Dibromochloromethane	3.30	U	3.30	25.0	ug/L
106-93-4	1,2-Dibromoethane	2.80	U	2.80	25.0	ug/L
127-18-4	Tetrachloroethene	4.20	U	4.20	25.0	ug/L
108-90-7	Chlorobenzene	2.40	U	2.40	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	U	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	U	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	U	3.40	25.0	ug/L
100-42-5	Styrene	3.60	U	3.60	25.0	ug/L
75-25-2	Bromoform	4.70	U	4.70	25.0	ug/L
98-82-8	Isopropylbenzene	3.90	U	3.90	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.00	U	3.00	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.10	U	4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.30	U	4.30	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.20	U	5.20	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.40	U	5.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.8		70 (91) - 130 (110)	99%	SPK: 30
2037-26-5	Toluene-d8	29.2		70 (91) - 130 (112)	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.8		70 (63) - 130 (112)	93%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	45300	7.8			
540-36-3	1,4-Difluorobenzene	203000	9.082			
3114-55-4	Chlorobenzene-d5	184000	11.847			
TENTATIVE IDENTIFIED COMPOUNDS						
1000406-32-8	Isobutyl hexadecyl ether	41.0	J		13.7	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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087365.D	5	07/18/25 14:41	VN071825

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

SDG No.: Q2594

Client: Environmental Restoration, LLC

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2594-01	CC-071325-RW	1,2-Dichloroethane-d4	30	29.8	99		70 (91)	130 (110)
		Toluene-d8	30	29.2	97		70 (91)	130 (112)
		4-Bromofluorobenzene	30	27.8	93		70 (63)	130 (112)
VN0718WBL01	VN0718WBL01	1,2-Dichloroethane-d4	30	32.8	109		70 (91)	130 (110)
		Toluene-d8	30	29.8	99		70 (91)	130 (112)
		4-Bromofluorobenzene	30	28.8	96		70 (63)	130 (112)
VN0718WBS01	VN0718WBS01	1,2-Dichloroethane-d4	30	31.3	104		70 (91)	130 (110)
		Toluene-d8	30	30.0	100		70 (91)	130 (112)
		4-Bromofluorobenzene	30	31.4	105		70 (63)	130 (112)
VN0718WBSD0	VN0718WBSD01	1,2-Dichloroethane-d4	30	32.4	108		70 (91)	130 (110)
		Toluene-d8	30	30.2	101		70 (91)	130 (112)
		4-Bromofluorobenzene	30	31.9	106		70 (63)	130 (112)

( ) = 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.: Q2594 **Analytical Method:** SW624.1

Client: Environmental Restoration, LLC **Datafile :** VN087354.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0718WBS01	Dichlorodifluoromethane	20	16.1	ug/L	81			40 (72)	160 (118)	
	Chloromethane	20	17.9	ug/L	90			40 (1)	160 (205)	
	Vinyl Chloride	20	17.6	ug/L	88			70 (5)	130 (195)	
	Bromomethane	20	18.6	ug/L	93			40 (15)	160 (185)	
	Chloroethane	20	20.6	ug/L	103			40 (40)	160 (160)	
	Trichlorofluoromethane	20	21.6	ug/L	108			40 (50)	160 (150)	
	1,1,2-Trichlorotrifluoroethane	20	15.9	ug/L	79			70 (64)	130 (127)	
	1,1-Dichloroethene	20	15.3	ug/L	77			70 (50)	130 (150)	
	Acetone	100	81.8	ug/L	82			40 (41)	160 (148)	
	Carbon disulfide	20	14.3	ug/L	72			40 (76)	160 (107)	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			70 (82)	130 (114)	
	Methyl Acetate	20	20.9	ug/L	104			70 (63)	130 (139)	
	Methylene Chloride	20	18.5	ug/L	93			70 (60)	130 (140)	
	trans-1,2-Dichloroethene	20	15.9	ug/L	79			70 (70)	130 (130)	
	1,1-Dichloroethane	20	18.0	ug/L	90			70 (70)	130 (130)	
	Cyclohexane	20	16.5	ug/L	83			70 (79)	130 (113)	
	2-Butanone	100	110	ug/L	110			40 (69)	160 (129)	
	Carbon Tetrachloride	20	21.3	ug/L	106			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			70 (81)	130 (112)	
	Chloroform	20	19.6	ug/L	98			70 (70)	130 (135)	
	1,1,1-Trichloroethane	20	21.3	ug/L	106			70 (70)	130 (130)	
	Methylcyclohexane	20	18.8	ug/L	94			70 (79)	130 (112)	
	Benzene	20	19.1	ug/L	96			70 (65)	130 (135)	
	1,2-Dichloroethane	20	22.8	ug/L	114			70 (70)	130 (130)	
	Trichloroethene	20	19.5	ug/L	98			70 (65)	130 (135)	
	1,2-Dichloropropane	20	20.4	ug/L	102			70 (35)	130 (165)	
	Bromodichloromethane	20	21.8	ug/L	109			70 (65)	130 (135)	
	4-Methyl-2-Pentanone	100	120	ug/L	120			40 (73)	160 (131)	
	Toluene	20	19.5	ug/L	98			70 (70)	130 (130)	
	t-1,3-Dichloropropene	20	21.1	ug/L	106			70 (50)	130 (150)	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			70 (25)	130 (175)	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70 (70)	130 (130)	
	2-Hexanone	100	130	ug/L	130			40 (72)	160 (128)	
	Dibromochloromethane	20	21.7	ug/L	109			70 (70)	130 (135)	
	1,2-Dibromoethane	20	20.2	ug/L	101			70 (86)	130 (114)	
	Tetrachloroethene	20	19.9	ug/L	100			70 (70)	130 (130)	
	Chlorobenzene	20	19.7	ug/L	99			70 (65)	130 (135)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (60)	130 (140)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (87)	130 (111)	
	o-Xylene	20	20.5	ug/L	103			70 (87)	130 (111)	
	Styrene	20	19.2	ug/L	96			70 (85)	130 (106)	
	Bromoform	20	20.8	ug/L	104			70 (70)	130 (130)	
	Isopropylbenzene	20	20.6	ug/L	103			70 (86)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			70 (60)	130 (140)	
	1,3,5-Trimethylbenzene	20	21.4	ug/L	107			70 (66)	130 (139)	
	1,3-Dichlorobenzene	20	20.6	ug/L	103			70 (70)	130 (130)	
	1,4-Dichlorobenzene	20	21.5	ug/L	108			70 (65)	130 (135)	
	1,2-Dichlorobenzene	20	21.3	ug/L	106			70 (65)	130 (135)	

( ) = 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.: Q2594 **Analytical Method:** SW624.1

Client: Environmental Restoration, LLC **Datafile :** VN087354.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0718WBS01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/L	105			40 (69)	160 (122)	
	1,2,4-Trichlorobenzene	20	23.0	ug/L	115			70 (61)	130 (118)	
	1,2,3-Trichlorobenzene	20	23.0	ug/L	115			70 (38)	130 (159)	

( ) = 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.: Q2594 **Analytical Method:** SW624.1

Client: Environmental Restoration, LLC **Datafile :** VN087361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0718WBSD01	Dichlorodifluoromethane	20	14.0	ug/L	70	15		40 (72)	160 (118)	20 (20)
	Chloromethane	20	16.1	ug/L	81	11		40 (1)	160 (205)	20 (20)
	Vinyl Chloride	20	15.8	ug/L	79	11		70 (5)	130 (195)	20 (20)
	Bromomethane	20	12.2	ug/L	61	42	*	40 (15)	160 (185)	20 (20)
	Chloroethane	20	20.1	ug/L	101	2		40 (40)	160 (160)	20 (20)
	Trichlorofluoromethane	20	20.0	ug/L	100	8		40 (50)	160 (150)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	14.9	ug/L	75	5		70 (64)	130 (127)	20 (20)
	1,1-Dichloroethene	20	14.5	ug/L	73	5		70 (50)	130 (150)	20 (20)
	Acetone	100	89.4	ug/L	89	8		40 (41)	160 (148)	20 (20)
	Carbon disulfide	20	13.6	ug/L	68	6		40 (76)	160 (107)	20 (20)
	Methyl tert-butyl Ether	20	18.4	ug/L	92	6		70 (82)	130 (114)	20 (20)
	Methyl Acetate	20	20.5	ug/L	103	1		70 (63)	130 (139)	20 (20)
	Methylene Chloride	20	17.4	ug/L	87	7		70 (60)	130 (140)	20 (20)
	trans-1,2-Dichloroethene	20	15.4	ug/L	77	3		70 (70)	130 (130)	20 (20)
	1,1-Dichloroethane	20	17.7	ug/L	89	1		70 (70)	130 (130)	20 (20)
	Cyclohexane	20	14.6	ug/L	73	13		70 (79)	130 (113)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (69)	160 (129)	20 (20)
	Carbon Tetrachloride	20	20.5	ug/L	103	3		70 (70)	130 (130)	20 (20)
	cis-1,2-Dichloroethene	20	16.8	ug/L	84	7		70 (81)	130 (112)	20 (20)
	Chloroform	20	19.0	ug/L	95	3		70 (70)	130 (135)	20 (20)
	1,1,1-Trichloroethane	20	20.4	ug/L	102	4		70 (70)	130 (130)	20 (20)
	Methylcyclohexane	20	16.5	ug/L	83	12		70 (79)	130 (112)	20 (20)
	Benzene	20	18.8	ug/L	94	2		70 (65)	130 (135)	20 (20)
	1,2-Dichloroethane	20	22.5	ug/L	113	1		70 (70)	130 (130)	20 (20)
	Trichloroethene	20	18.3	ug/L	92	6		70 (65)	130 (135)	20 (20)
	1,2-Dichloropropane	20	19.4	ug/L	97	5		70 (35)	130 (165)	20 (20)
	Bromodichloromethane	20	21.6	ug/L	108	1		70 (65)	130 (135)	20 (20)
	4-Methyl-2-Pentanone	100	120	ug/L	120	0		40 (73)	160 (131)	20 (20)
	Toluene	20	18.7	ug/L	94	4		70 (70)	130 (130)	20 (20)
	t-1,3-Dichloropropene	20	20.0	ug/L	100	6		70 (50)	130 (150)	20 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	1		70 (25)	130 (175)	20 (20)
	1,1,2-Trichloroethane	20	19.8	ug/L	99	3		70 (70)	130 (130)	20 (20)
	2-Hexanone	100	120	ug/L	120	8		40 (72)	160 (128)	20 (20)
	Dibromochloromethane	20	21.8	ug/L	109	0		70 (70)	130 (135)	20 (20)
	1,2-Dibromoethane	20	19.6	ug/L	98	3		70 (86)	130 (114)	20 (20)
	Tetrachloroethene	20	18.7	ug/L	94	6		70 (70)	130 (130)	20 (20)
	Chlorobenzene	20	18.9	ug/L	95	4		70 (65)	130 (135)	20 (20)
	Ethyl Benzene	20	18.2	ug/L	91	7		70 (60)	130 (140)	20 (20)
	m/p-Xylenes	40	37.0	ug/L	93	6		70 (87)	130 (111)	20 (20)
	o-Xylene	20	18.6	ug/L	93	10		70 (87)	130 (111)	20 (20)
	Styrene	20	18.8	ug/L	94	2		70 (85)	130 (106)	20 (20)
	Bromoform	20	20.4	ug/L	102	2		70 (70)	130 (130)	20 (20)
	Isopropylbenzene	20	19.0	ug/L	95	8		70 (86)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100	4		70 (60)	130 (140)	20 (20)
	1,3,5-Trimethylbenzene	20	19.9	ug/L	100	7		70 (66)	130 (139)	20 (20)
	1,3-Dichlorobenzene	20	20.3	ug/L	102	1		70 (70)	130 (130)	20 (20)
	1,4-Dichlorobenzene	20	19.8	ug/L	99	9		70 (65)	130 (135)	20 (20)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	5		70 (65)	130 (135)	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.:	**Q2594**	**Analytical Method:**	**SW624.1**
Client:	**Environmental Restoration, LLC**	**Datafile :**	VN087361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0718WBSD01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/L	99	6		40 (69)	160 (122)	20 (20)
	1,2,4-Trichlorobenzene	20	21.3	ug/L	106	8		70 (61)	130 (118)	20 (20)
	1,2,3-Trichlorobenzene	20	21.3	ug/L	106	8		70 (38)	130 (159)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0718WBL01

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2594

Lab File ID: VN087356.D | Lab Sample ID: VN0718WBL01

Date Analyzed: 07/18/2025 | Time Analyzed: 11:04

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
VN0718WBS01	VN0718WBS01	VN087354.D	07/18/2025
VN0718WBSD01	VN0718WBSD01	VN087361.D	07/18/2025
CC-071325-RW	Q2594-01	VN087365.D	07/18/2025

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.: Q2594
Lab File ID: VN087161.D
BFB Injection Date: 06/25/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:25
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	19.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	66.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087162.D	06/25/2025	08:59
VSTDICCC020	VSTDICCC020	VN087163.D	06/25/2025	09:20
VSTDICC050	VSTDICC050	VN087164.D	06/25/2025	09:41
VSTDICC100	VSTDICC100	VN087165.D	06/25/2025	10:03
VSTDICC150	VSTDICC150	VN087166.D	06/25/2025	10:24

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.: Q2594

Lab File ID: VN087352.D | BFB Injection Date: 07/18/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:42

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	19.1
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.1 (6.9) 1
176	95.0 - 101.0% of mass 174	70.9 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087353.D	07/18/2025	09:15
VN0718WBS01	VN0718WBS01	VN087354.D	07/18/2025	09:49
VN0718WBL01	VN0718WBL01	VN087356.D	07/18/2025	11:04
VN0718WBSD01	VN0718WBSD01	VN087361.D	07/18/2025	13:16
CC-071325-RW	Q2594-01	VN087365.D	07/18/2025	14:41

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.: Q2594

Lab File ID: VN087353.D Date Analyzed: 07/18/2025

Instrument ID: MSVOA_N Time Analyzed: 09:15

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	46358	7.80	246415	9.08	220107	11.85
UPPER LIMIT	92716	8.3	492830	9.583	440214	12.347
LOWER LIMIT	23179	7.3	123208	8.583	110054	11.347
EPA SAMPLE NO.						
CC-071325-RW	45269	7.80	203093	9.08	184441	11.85
VN0718WBL01	41937	7.79	219664	9.08	193250	11.85
VN0718WBS01	47522	7.80	244435	9.08	221298	11.85
VN0718WBSD01	42433	7.80	214950	9.08	202696	11.85

IS1 = Bromochloromethane
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.

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087356.D	1	07/18/25 11:04	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087356.D	1	07/18/25 11:04	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.8		70 (91) - 130 (110)	109%	SPK: 30
2037-26-5	Toluene-d8	29.8		70 (91) - 130 (112)	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		70 (63) - 130 (112)	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	41900	7.794			
540-36-3	1,4-Difluorobenzene	220000	9.083			
3114-55-4	Chlorobenzene-d5	193000	11.847			

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBL01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBL01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087356.D	1	07/18/25 11:04	VN071825

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBS01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBS01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087354.D	1	07/18/25 09:49	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.1		0.77	5.00	ug/L
74-87-3	Chloromethane	17.9		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.83	5.00	ug/L
74-83-9	Bromomethane	18.6		0.80	5.00	ug/L
75-00-3	Chloroethane	20.6		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.6		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	15.9		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.3		0.76	5.00	ug/L
67-64-1	Acetone	81.8		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	14.3		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	19.6		0.77	5.00	ug/L
79-20-9	Methyl Acetate	20.9		0.91	5.00	ug/L
75-09-2	Methylene Chloride	18.5		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	15.9		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.68	5.00	ug/L
110-82-7	Cyclohexane	16.5		0.92	5.00	ug/L
78-93-3	2-Butanone	110		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.3		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.80	5.00	ug/L
67-66-3	Chloroform	19.6		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.73	5.00	ug/L
71-43-2	Benzene	19.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	22.8		0.50	5.00	ug/L
79-01-6	Trichloroethene	19.5		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	21.8		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		3.00	25.0	ug/L
108-88-3	Toluene	19.5		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.1		0.72	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBS01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBS01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087354.D	1	07/18/25 09:49	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	20.0		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.45	5.00	ug/L
591-78-6	2-Hexanone	130		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	21.7		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.84	5.00	ug/L
108-90-7	Chlorobenzene	19.7		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	39.7		1.30	10.0	ug/L
95-47-6	o-Xylene	20.5		0.67	5.00	ug/L
100-42-5	Styrene	19.2		0.72	5.00	ug/L
75-25-2	Bromoform	20.8		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.4		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.5		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.3		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	23.0		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	23.0		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.3		70 (91) - 130 (110)	104%	SPK: 30
2037-26-5	Toluene-d8	30.0		70 (91) - 130 (112)	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.4		70 (63) - 130 (112)	105%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	47500	7.8			
540-36-3	1,4-Difluorobenzene	244000	9.083			
3114-55-4	Chlorobenzene-d5	221000	11.847			

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBS01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBS01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087354.D	1	07/18/25 09:49	VN071825

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBSD01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBSD01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087361.D	1	07/18/25 13:16	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	14.0		0.77	5.00	ug/L
74-87-3	Chloromethane	16.1		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	15.8		0.83	5.00	ug/L
74-83-9	Bromomethane	12.2		0.80	5.00	ug/L
75-00-3	Chloroethane	20.1		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	14.9		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	14.5		0.76	5.00	ug/L
67-64-1	Acetone	89.4		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	13.6		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	18.4		0.77	5.00	ug/L
79-20-9	Methyl Acetate	20.5		0.91	5.00	ug/L
75-09-2	Methylene Chloride	17.4		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	15.4		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.7		0.68	5.00	ug/L
110-82-7	Cyclohexane	14.6		0.92	5.00	ug/L
78-93-3	2-Butanone	110		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.8		0.80	5.00	ug/L
67-66-3	Chloroform	19.0		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	16.5		0.73	5.00	ug/L
71-43-2	Benzene	18.8		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	22.5		0.50	5.00	ug/L
79-01-6	Trichloroethene	18.3		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	21.6		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		3.00	25.0	ug/L
108-88-3	Toluene	18.7		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.72	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBSD01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBSD01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087361.D	1	07/18/25 13:16	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.7		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.45	5.00	ug/L
591-78-6	2-Hexanone	120		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	21.8		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.84	5.00	ug/L
108-90-7	Chlorobenzene	18.9		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	37.0		1.30	10.0	ug/L
95-47-6	o-Xylene	18.6		0.67	5.00	ug/L
100-42-5	Styrene	18.8		0.72	5.00	ug/L
75-25-2	Bromoform	20.4		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.9		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.3		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.3		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.4		70 (91) - 130 (110)	108%	SPK: 30
2037-26-5	Toluene-d8	30.2		70 (91) - 130 (112)	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.9		70 (63) - 130 (112)	106%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	42400	7.8			
540-36-3	1,4-Difluorobenzene	215000	9.083			
3114-55-4	Chlorobenzene-d5	203000	11.847			

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	VN0718WBSD01	SDG No.:	Q2594
Lab Sample ID:	VN0718WBSD01	Matrix:	Water
Analytical Method:	E624.1	% 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
VN087361.D	1	07/18/25 13:16	VN071825

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.: Q2594

Instrument ID: MSVOA_N Calibration Date(s): 06/25/2025 06/25/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:59 10:24

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

LAB FILE ID: RRF005 = VN087162.D RRF020 = VN087163.D RRF050 = VN087164.D
RRF100 = VN087165.D RRF150 = VN087166.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.971	1.652	1.736	1.761	1.909		1.806	7.2
Chloromethane	2.014	1.562	1.799	1.846	2.001		1.845	10
Vinyl Chloride	2.146	1.799	1.922	1.946	2.209		2.005	8.4
Bromomethane	1.205	0.965	0.990	1.020	1.139		1.064	9.7
Chloroethane	1.140	0.966	1.040	1.070	1.161		1.075	7.3
Trichlorofluoromethane	2.644	2.322	2.382	2.400	2.546		2.459	5.4
1,1,2-Trichlorotrifluoroethane	1.941	1.681	1.788	1.785	1.920		1.823	5.9
1,1-Dichloroethene	1.930	1.676	1.779	1.772	1.929		1.817	6.1
Acetone	0.423	0.367	0.386	0.373	0.390		0.388	5.7
Carbon Disulfide	6.114	4.847	5.126	5.051	5.429		5.313	9.3
Methyl tert-Butyl Ether	6.446	5.734	6.377	6.408	6.903		6.374	6.5
Methyl Acetate	2.817	2.616	2.857	2.889	3.074		2.851	5.7
Methylene Chloride	2.339	1.947	2.062	2.025	2.153		2.105	7.1
trans-1,2-Dichloroethene	2.191	1.821	1.955	1.916	2.054		1.987	7.1
1,1-Dichloroethane	4.181	3.580	3.726	3.650	3.867		3.801	6.3
Cyclohexane	0.547	0.504	0.605	0.568	0.611		0.567	7.8
2-Butanone	0.292	0.286	0.342	0.316	0.341		0.315	8.4
Carbon Tetrachloride	0.493	0.398	0.480	0.447	0.480		0.460	8.4
cis-1,2-Dichloroethene	2.324	2.093	2.374	2.269	2.506		2.313	6.5
Chloroform	3.901	3.326	3.659	3.568	3.753		3.641	5.9
1,1,1-Trichloroethane	0.563	0.497	0.582	0.524	0.565		0.546	6.3
Methylcyclohexane	0.545	0.472	0.533	0.551	0.582		0.537	7.5
Benzene	1.576	1.309	1.574	1.454	1.494		1.481	7.4
1,2-Dichloroethane	0.517	0.442	0.507	0.457	0.471		0.479	6.7
Trichloroethene	0.371	0.294	0.352	0.336	0.355		0.342	8.5
1,2-Dichloropropane	0.397	0.348	0.369	0.363	0.382		0.372	5.1
Bromodichloromethane	0.537	0.482	0.522	0.485	0.525		0.510	4.9
4-Methyl-2-Pentanone	0.557	0.547	0.645	0.630	0.637		0.603	7.8
Toluene	1.839	1.550	1.720	1.643	1.720		1.694	6.3
t-1,3-Dichloropropene	0.553	0.512	0.613	0.554	0.612		0.569	7.6

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

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.: Q2594

Instrument ID: MSVOA_N | Calibration Date(s): 06/25/2025 06/25/2025

Heated Purge: (Y/N) N | Calibration Time(s): 08:59 10:24

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

LAB FILE ID: RRF005 = VN087162.D RRF020 = VN087163.D RRF050 = VN087164.D
RRF100 = VN087165.D RRF150 = VN087166.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
cis-1,3-Dichloropropene	0.616	0.568	0.606	0.585	0.649		0.605	5.1
1,1,2-Trichloroethane	0.388	0.333	0.376	0.332	0.366		0.359	7
2-Hexanone	0.305	0.322	0.440	0.428	0.452		0.389	18
Dibromochloromethane	0.373	0.343	0.401	0.363	0.405		0.377	7
1,2-Dibromoethane	0.381	0.344	0.382	0.358	0.389		0.371	5.1
Tetrachloroethene	0.334	0.268	0.301	0.281	0.301		0.297	8.4
Chlorobenzene	1.136	0.985	1.106	1.071	1.106		1.081	5.4
Ethyl Benzene	1.847	1.649	1.926	1.899	1.952		1.855	6.5
m/p-Xylenes	0.694	0.636	0.742	0.734	0.747		0.711	6.5
o-Xylene	0.650	0.604	0.709	0.706	0.720		0.678	7.3
Styrene	1.086	1.039	1.240	1.213	1.242		1.164	8.1
Bromoform	0.258	0.234	0.271	0.258	0.276		0.259	6.3
Isopropylbenzene	1.623	1.479	1.789	1.764	1.788		1.689	8
1,1,2,2-Tetrachloroethane	0.624	0.566	0.635	0.606	0.608		0.608	4.4
1,3,5-Trimethylbenzene	1.275	1.181	1.499	1.466	1.453		1.375	10.1
1,3-Dichlorobenzene	0.782	0.717	0.840	0.823	0.782		0.789	6.1
1,4-Dichlorobenzene	0.791	0.714	0.852	0.823	0.788		0.794	6.5
1,2-Dichlorobenzene	0.719	0.670	0.805	0.781	0.743		0.744	7.1
1,2-Dibromo-3-Chloropropane	0.130	0.122	0.143	0.142	0.147		0.137	7.6
1,2,4-Trichlorobenzene	0.399	0.379	0.416	0.449	0.460		0.421	8
1,2,3-Trichlorobenzene	0.399	0.379	0.416	0.449	0.460		0.421	8
1,2-Dichloroethane-d4	2.394	2.309	2.211	2.236	2.153		2.260	4.1
Toluene-d8	1.386	1.399	1.314	1.311	1.325		1.347	3.2
4-Bromofluorobenzene	0.439	0.448	0.470	0.489	0.468		0.463	4.3

* 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.: Q2594

Instrument ID: MSVOA_N | Calibration Date/Time: 07/18/2025 09:15

Lab File ID: VN087353.D | Init. Calib. Date(s): 06/25/2025 06/25/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:59 10:24

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.806	1.438		-20.38	
Chloromethane	1.845	1.699		-7.91	
Vinyl Chloride	2.005	1.785	0.1	-10.97	
Bromomethane	1.064	1.047	0.1	-1.6	
Chloroethane	1.075	1.179		9.67	
Trichlorofluoromethane	2.459	2.669		8.54	
1,1,2-Trichlorotrifluoroethane	1.823	1.444		-20.79	
1,1-Dichloroethene	1.817	1.427	0.1	-21.46	
Acetone	0.388	0.348		-10.31	
Carbon Disulfide	5.313	3.940		-25.84	
Methyl tert-Butyl Ether	6.374	6.346		-0.44	
Methyl Acetate	2.851	3.019		5.89	
Methylene Chloride	2.105	2.029		-3.61	
trans-1,2-Dichloroethene	1.987	1.674		-15.75	
1,1-Dichloroethane	3.801	3.616	0.2	-4.87	
Cyclohexane	0.567	0.489		-13.76	
2-Butanone	0.315	0.330		4.76	
Carbon Tetrachloride	0.460	0.485	0.1	5.43	
cis-1,2-Dichloroethene	2.313	2.136		-7.65	
Chloroform	3.641	3.679	0.2	1.04	
1,1,1-Trichloroethane	0.546	0.575	0.1	5.31	
Methylcyclohexane	0.537	0.487		-9.31	
Benzene	1.481	1.442	0.5	-2.63	
1,2-Dichloroethane	0.479	0.539	0.1	12.53	
Trichloroethene	0.342	0.321	0.3	-6.14	
1,2-Dichloropropane	0.372	0.379		1.88	
Bromodichloromethane	0.510	0.558	0.2	9.41	
4-Methyl-2-Pentanone	0.603	0.712		18.08	
Toluene	1.694	1.691	0.4	-0.18	
t-1,3-Dichloropropene	0.569	0.589	0.1	3.52	
cis-1,3-Dichloropropene	0.605	0.615	0.2	1.65	
1,1,2-Trichloroethane	0.359	0.362	0.1	0.84	
2-Hexanone	0.389	0.490		25.96	
Dibromochloromethane	0.377	0.416	0.1	10.35	
1,2-Dibromoethane	0.371	0.367		-1.08	
Tetrachloroethene	0.297	0.308	0.2	3.7	
Chlorobenzene	1.081	1.094	0.5	1.2	
Ethyl Benzene	1.855	1.825	0.1	-1.62	

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.: Q2594

Instrument ID: MSVOA_N | Calibration Date/Time: 07/18/2025 09:15

Lab File ID: VN087353.D | Init. Calib. Date(s): 06/25/2025 06/25/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:59 10:24

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.711	0.711	0.3	0	
o-Xylene	0.678	0.690	0.3	1.77	
Styrene	1.164	1.161	0.3	-0.26	
Bromoform	0.259	0.273	0.1	5.41	
Isopropylbenzene	1.689	1.760		4.2	
1,1,2,2-Tetrachloroethane	0.608	0.622	0.3	2.3	
1,3,5-Trimethylbenzene	1.375	1.466		6.62	
1,3-Dichlorobenzene	0.789	0.844	0.2	6.97	
1,4-Dichlorobenzene	0.794	0.801	0.2	0.88	
1,2-Dichlorobenzene	0.744	0.797	0.2	7.12	
1,2-Dibromo-3-Chloropropane	0.137	0.136		-0.73	
1,2,4-Trichlorobenzene	0.421	0.465	0.2	10.45	
1,2,3-Trichlorobenzene	0.421	0.465		10.45	
1,2-Dichloroethane-d4	2.260	2.451	0.01	8.45	
Toluene-d8	1.347	1.348	0.01	0.07	
4-Bromofluorobenzene	0.463	0.486	0.2	4.97	

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\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Quant Time: Jul 18 23:20:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	45269	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	203093	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	184441	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	101794	29.845	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.467%			
60) 4-Bromofluorobenzene	12.829	95	79048	27.774	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.567%			
63) Toluene-d8	10.547	98	241972	29.219	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.400%			

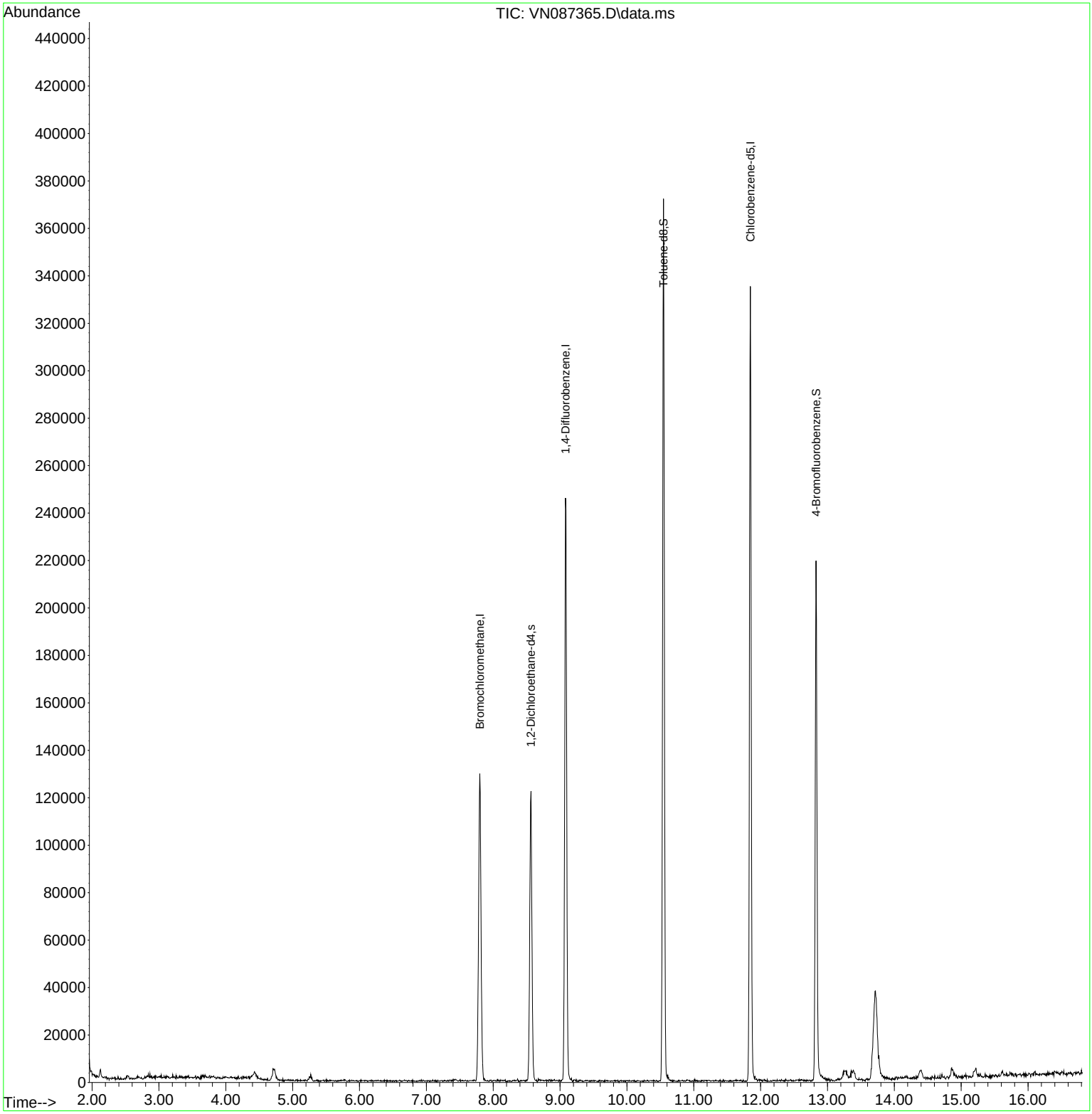
Target Compounds Qvalue

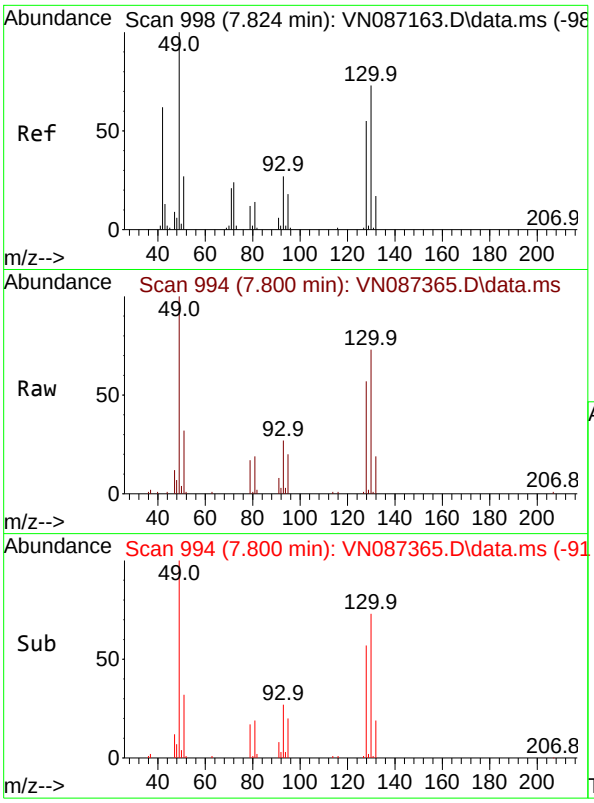
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Quant Time: Jul 18 23:20:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration



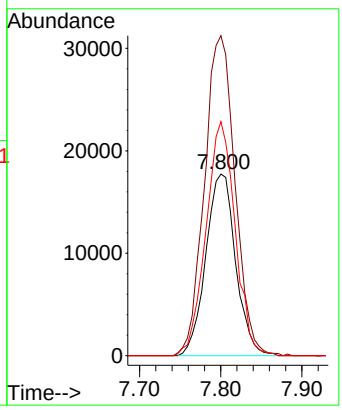


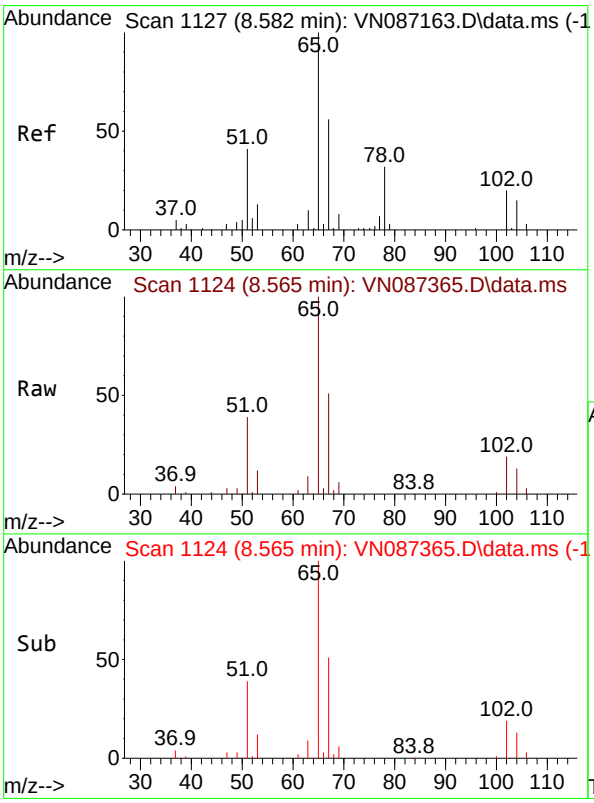
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Tgt Ion:128 Resp: 45269

Ion	Ratio	Lower	Upper
128	100		
49	180.3	0.0	450.5
130	126.1	0.0	320.7

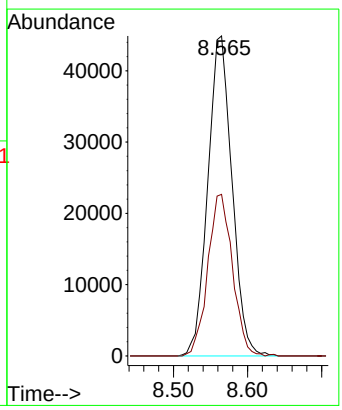




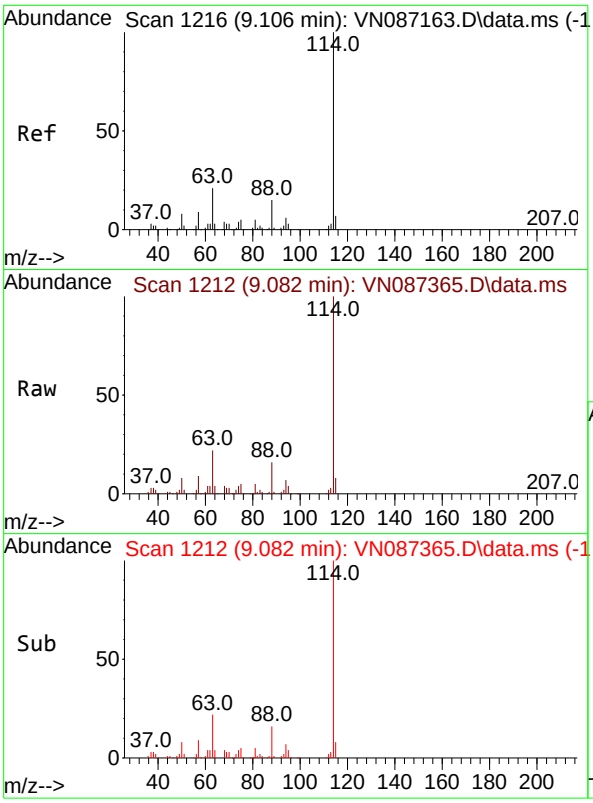
#27
1,2-Dichloroethane-d4
Concen: 29.845 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 65 Resp: 101794

Ion	Ratio	Lower	Upper
65	100		
67	51.4	41.9	62.9



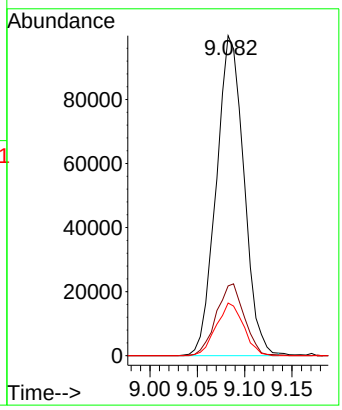
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

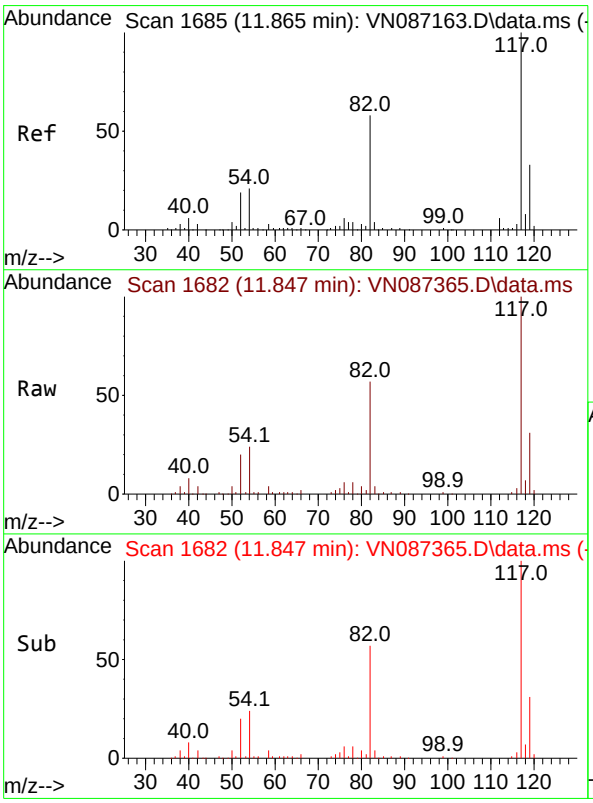


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion:114 Resp: 203093

Ion	Ratio	Lower	Upper
114	100		
63	22.8	17.0	25.4
88	16.2	12.6	19.0

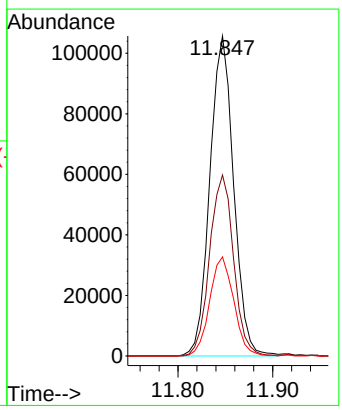


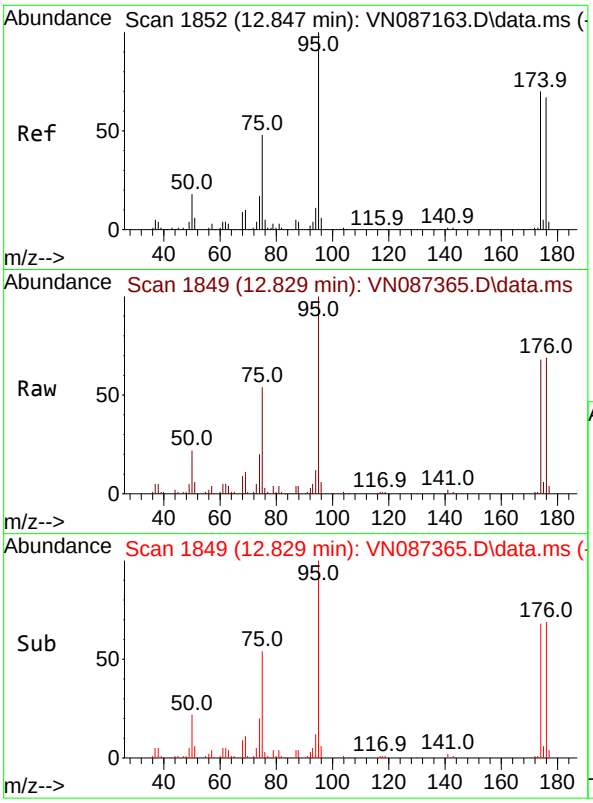


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion:117 Resp: 184441

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.4	68.2
119	31.3	26.2	39.4



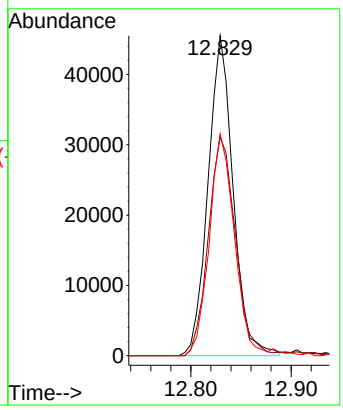


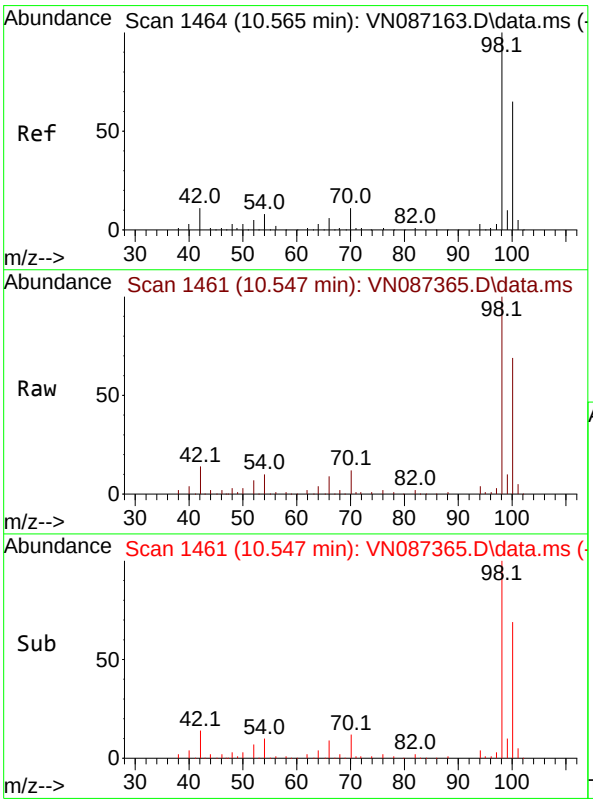
#60
4-Bromofluorobenzene
Concen: 27.774 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Tgt Ion: 95 Resp: 79048

Ion	Ratio	Lower	Upper
95	100		
174	73.7	54.5	81.7
176	69.3	51.9	77.9

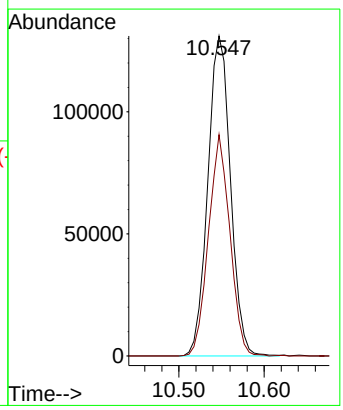




#63
Toluene-d8
Concen: 29.219 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 98 Resp: 241972

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.5	78.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN087365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.706	460	468	476	rBV4	4902	15413	2.33%	0.523%
2	7.800	983	994	1004	rBV	129623	326542	49.33%	11.084%
3	8.565	1114	1124	1136	rBV	121995	274670	41.50%	9.323%
4	9.082	1204	1212	1224	rBV	245090	501400	75.75%	17.019%
5	10.547	1453	1461	1469	rBV	371878	661918	100.00%	22.468%
6	11.847	1673	1682	1692	rBV	335052	593808	89.71%	20.156%
7	12.829	1841	1849	1861	rBV	219014	392098	59.24%	13.309%
8	13.717	1985	2000	2013	rBV3	37290	162220	24.51%	5.506%
9	14.400	2108	2116	2124	rVB5	3532	10890	1.65%	0.370%
10	14.859	2186	2194	2195	rBV5	4660	7151	1.08%	0.243%

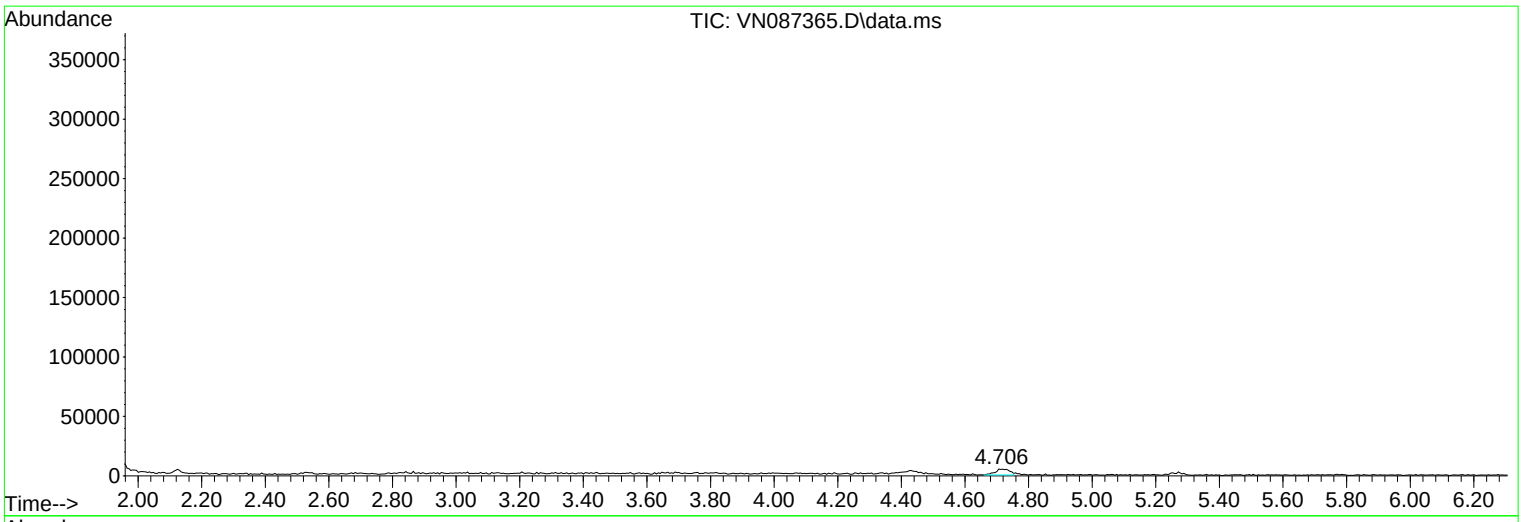
Sum of corrected areas: 2946110

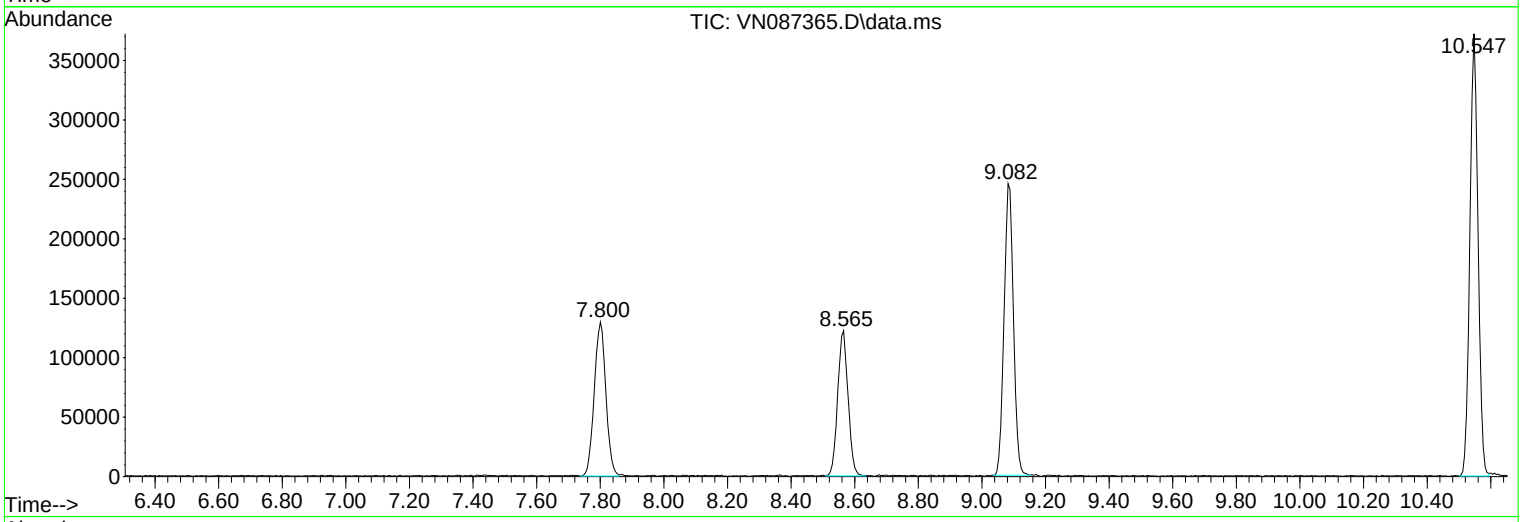
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

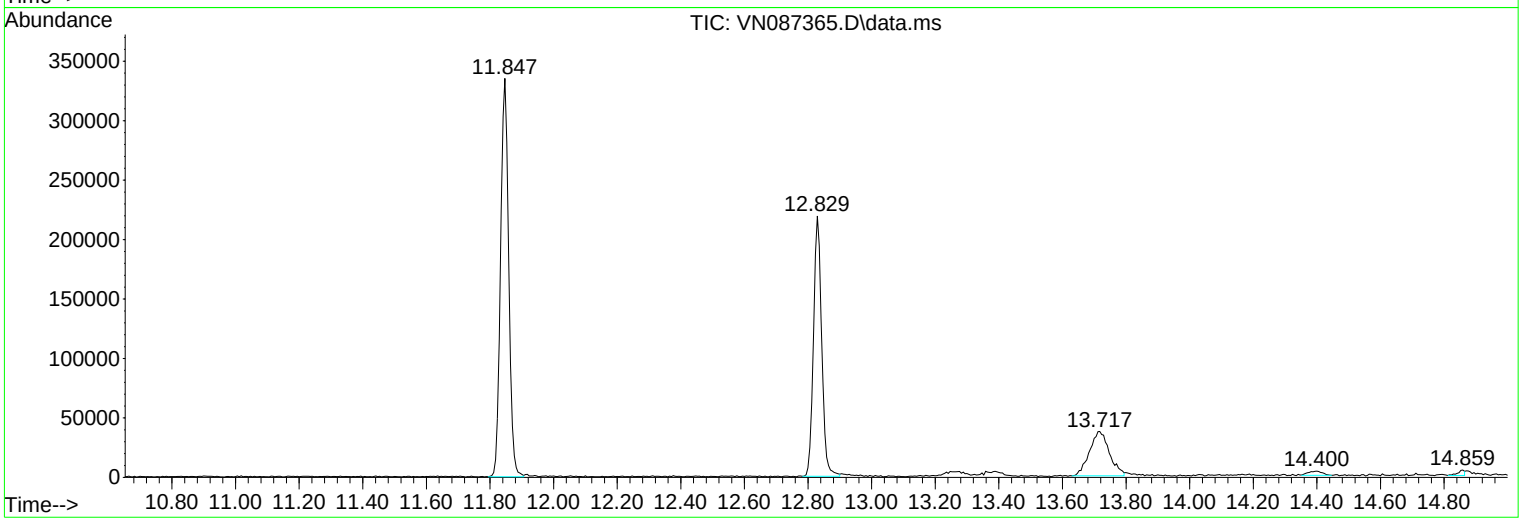
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

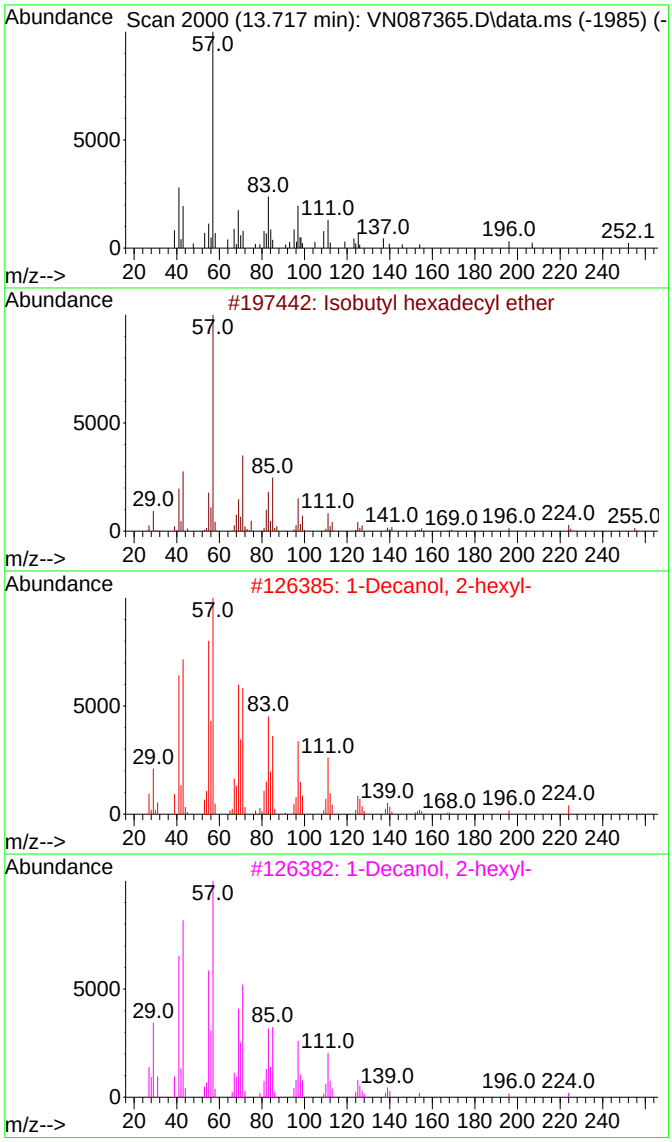
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

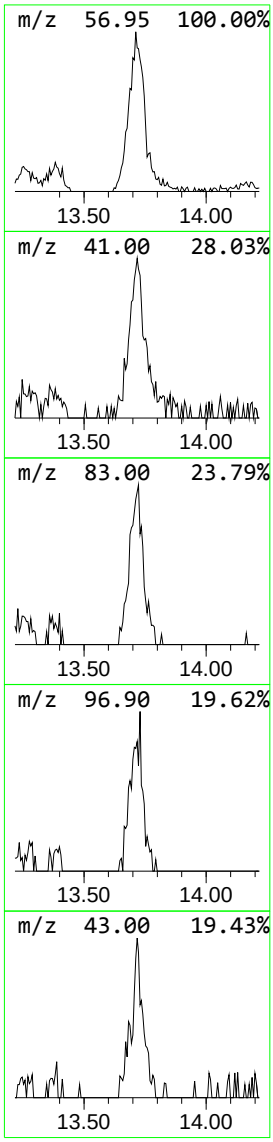
****

Peak Number 1 Isobutyl hexadecyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.717	8.20 ug/l	162220	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl hexadecyl ether	298	C20H42O	1000406-32-8	50
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	50
3	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	50
4	Isobutyl tetradecyl ether	270	C18H38O	1000406-32-7	50
5	Butyl tetradecyl ether	270	C18H38O	1000406-40-4	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087365.D
Acq On : 18 Jul 2025 14:41
Operator : JC\MD
Sample : Q2594-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isobutyl hexade...	13.717	8.2	ug/l	162220	3	11.847	593808	30.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Quant Time: Jul 18 23:17:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

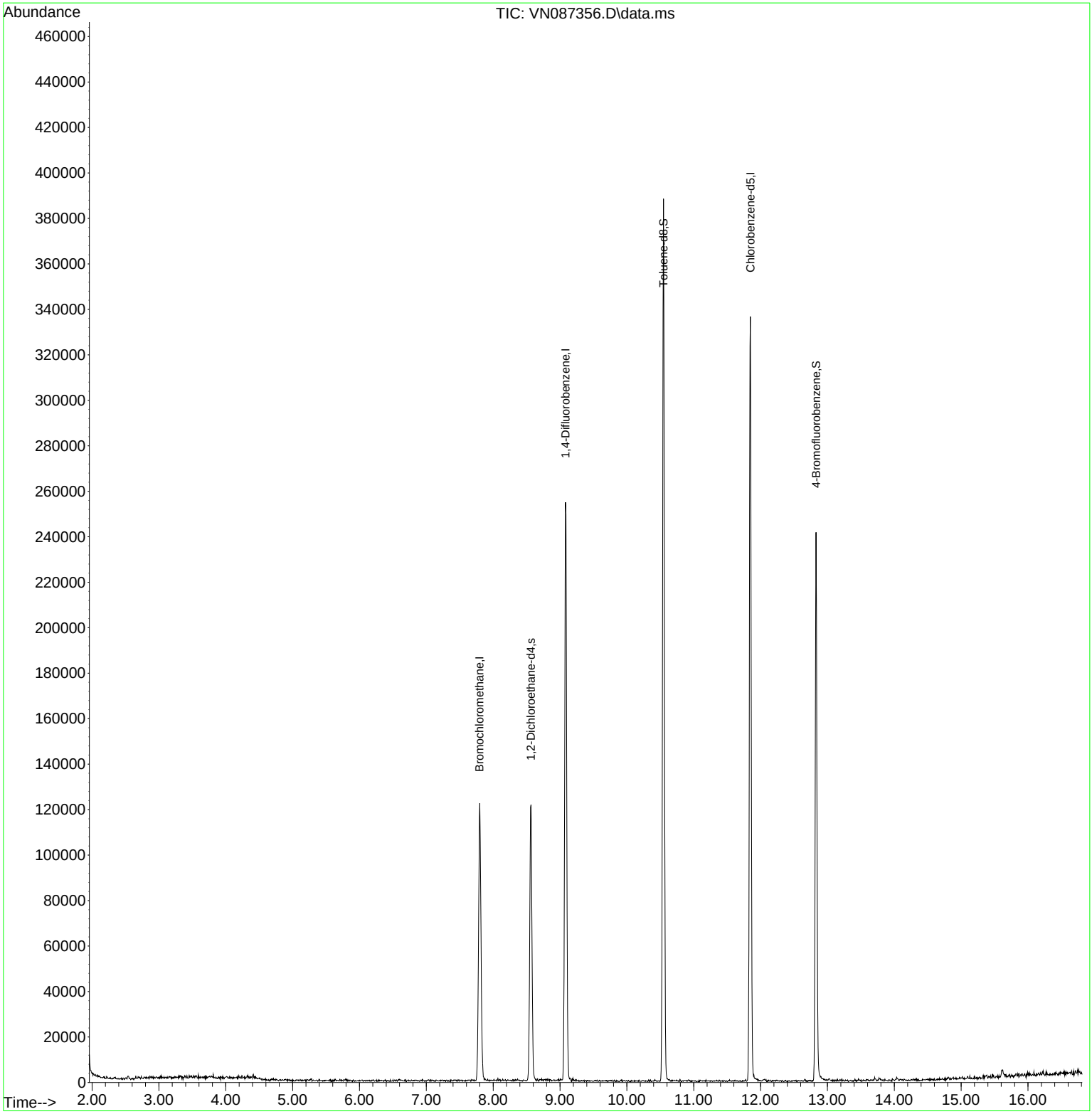
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	41937	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.083	114	219664	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	193250	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	103673	32.810	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.367%			
60) 4-Bromofluorobenzene	12.829	95	85866	28.794	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.967%			
63) Toluene-d8	10.547	98	258214	29.759	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.200%			
Target Compounds						Qvalue

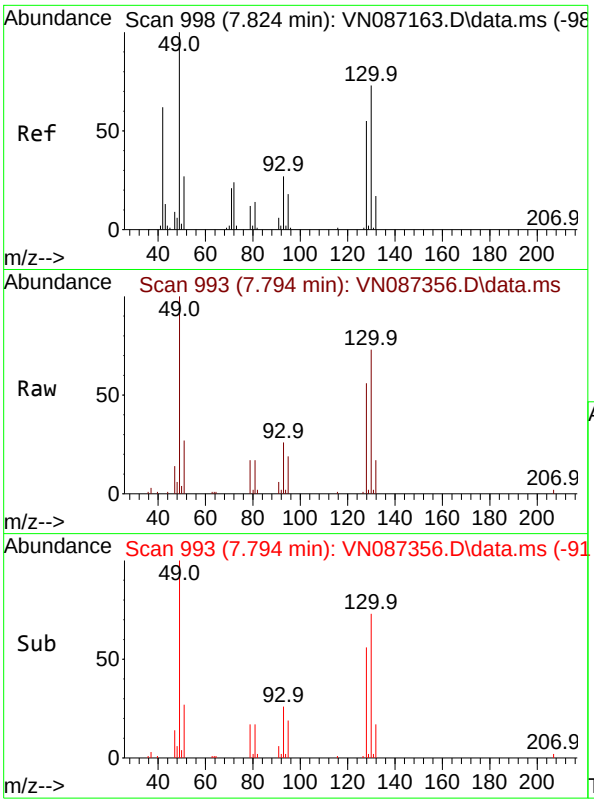
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Quant Time: Jul 18 23:17:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration



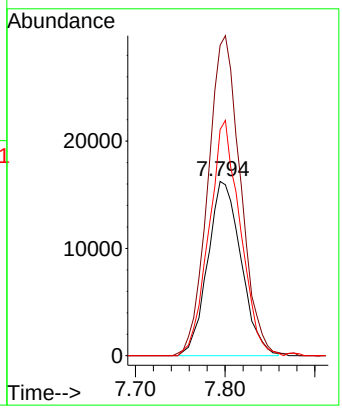


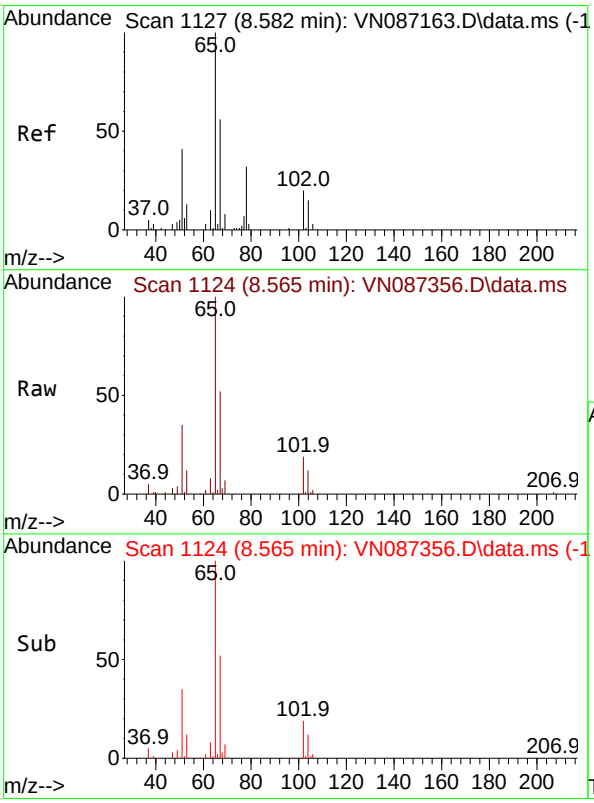
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. -0.030 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Tgt Ion:128 Resp: 41937

Ion	Ratio	Lower	Upper
128	100		
49	179.4	0.0	450.5
130	126.5	0.0	320.7

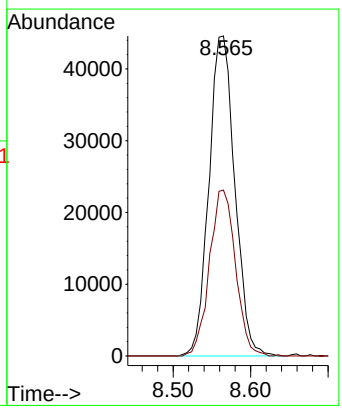


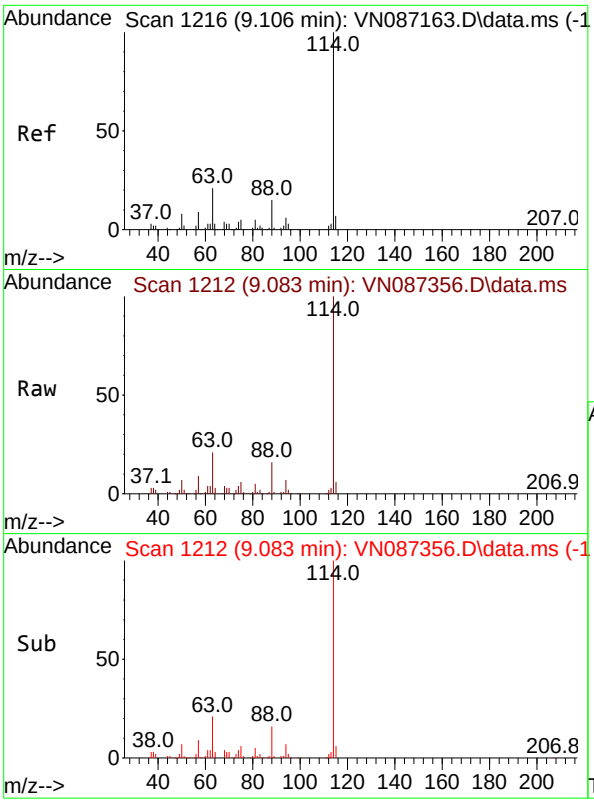


#27
1,2-Dichloroethane-d4
Concen: 32.810 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Tgt Ion: 65 Resp: 103673

Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.9	62.9



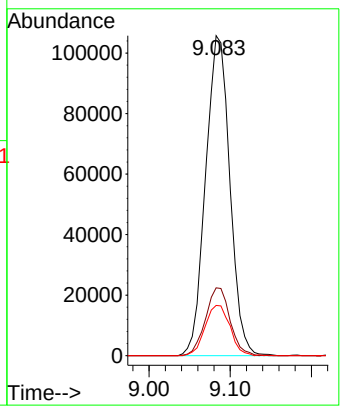


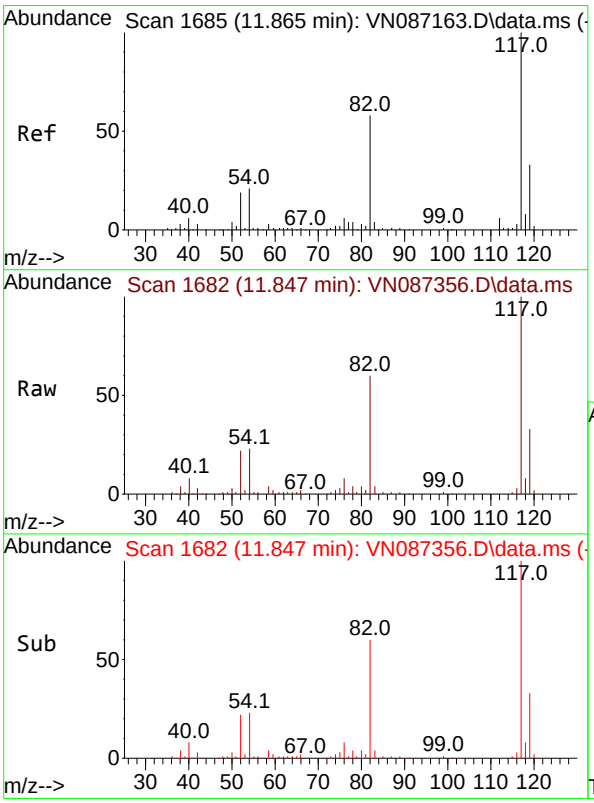
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Tgt Ion:114 Resp: 219664

Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.0	25.4
88	16.1	12.6	19.0

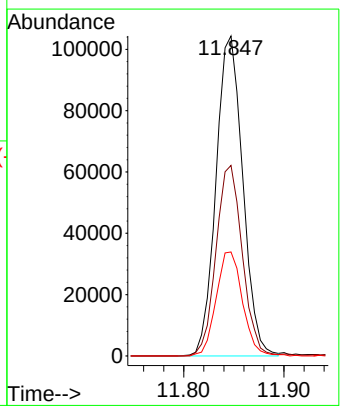


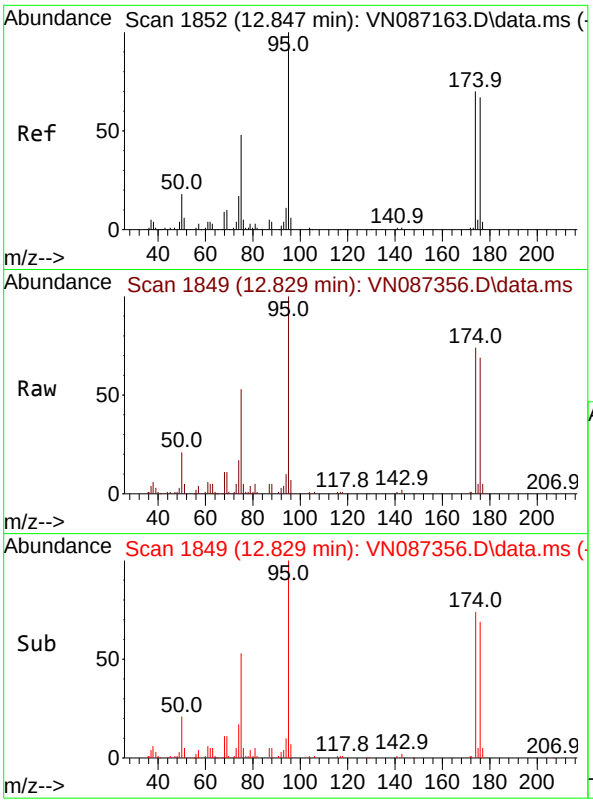


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Tgt Ion:117 Resp: 193250

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.4	68.2
119	31.8	26.2	39.4



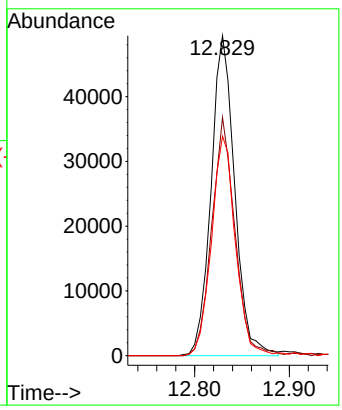


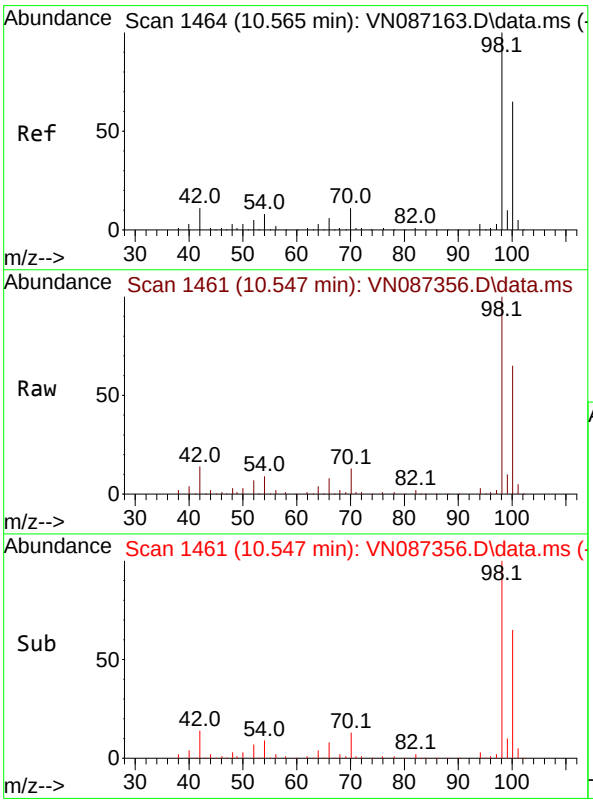
#60
4-Bromofluorobenzene
Concen: 28.794 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Tgt Ion: 95 Resp: 85866

Ion	Ratio	Lower	Upper
95	100		
174	72.9	54.5	81.7
176	69.1	51.9	77.9

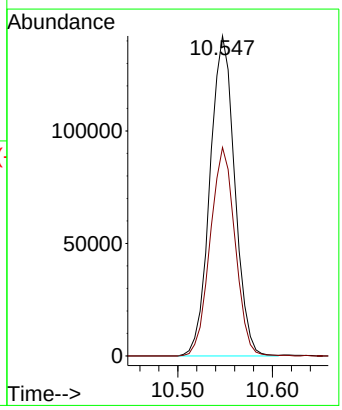




#63
Toluene-d8
Concen: 29.759 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087356.D
Acq: 18 Jul 2025 11:04

Tgt Ion: 98 Resp: 258214

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.5	78.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN087356.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.800	984	994	1005	rBV	122020	304404	43.01%	10.607%
2	8.565	1113	1124	1138	rVB	121497	282392	39.90%	9.840%
3	9.083	1204	1212	1222	rBV	254052	531031	75.03%	18.503%
4	10.547	1452	1461	1470	rBV	388194	707735	100.00%	24.660%
5	11.847	1672	1682	1694	rBV	336335	625660	88.40%	21.801%
6	12.829	1842	1849	1860	rBV	241113	418699	59.16%	14.589%

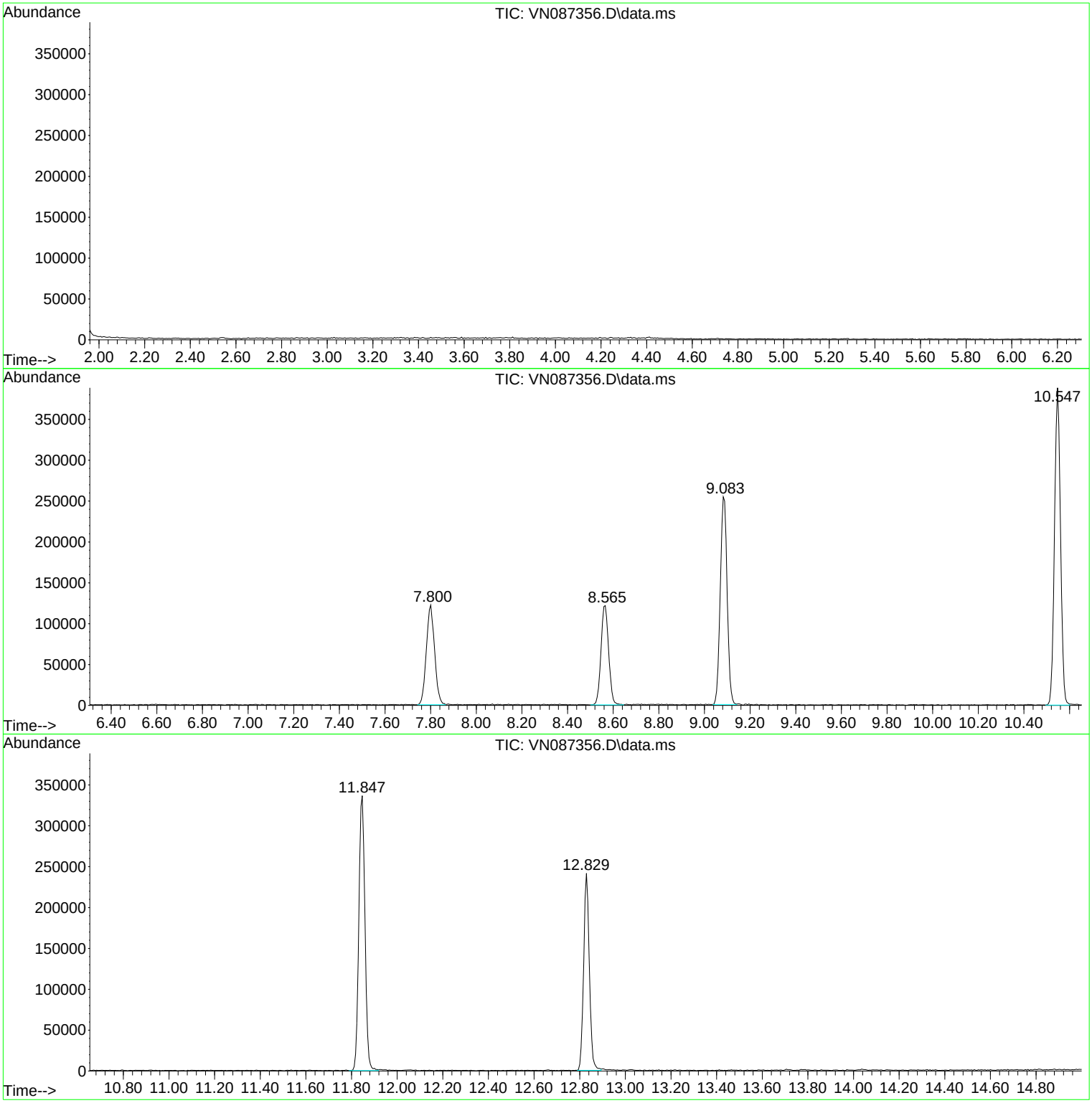
Sum of corrected areas: 2869921

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087356.D
Acq On : 18 Jul 2025 11:04
Operator : JC\MD
Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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\VN071825\
Data File : VN087354.D
Acq On : 18 Jul 2025 09:49
Operator : JC\MD
Sample : VN0718WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 23:15:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	47522	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	244435	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	221298	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	111922	31.258	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.200%			
60) 4-Bromofluorobenzene	12.829	95	107177	31.385	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.633%			
63) Toluene-d8	10.547	98	297958	29.987	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	46040	16.094	ug/l	92
3) Chloromethane	2.383	50	52156	17.851	ug/l	95
4) Vinyl Chloride	2.542	62	55991	17.632	ug/l	97
5) Bromomethane	2.983	94	31368	18.613	ug/l	94
6) Chloroethane	3.142	64	35021	20.559	ug/l	89
7) Trichlorofluoromethane	3.512	101	84060	21.581	ug/l	94
8) Diethyl Ether	3.959	74	35222	18.405	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	45806	15.862	ug/l #	86
10) 1,1-Dichloroethene	4.336	96	44010	15.288	ug/l	93
11) Methyl Iodide	4.577	142	45963	17.822	ug/l	83
12) Methyl Acetate	5.012	43	94157	20.852	ug/l	98
13) Acrolein	4.171	56	46346	66.797	ug/l	99
14) Acrylonitrile	5.706	53	194390	92.295	ug/l	99
15) Acetone	4.424	58	50273	81.828	ug/l #	67
16) Carbon Disulfide	4.700	76	120368	14.301	ug/l	99
17) Allyl chloride	5.006	41	83723	17.633	ug/l	95
18) Methylene Chloride	5.265	84	61633	18.481	ug/l #	88
19) trans-1,2-Dichloroethene	5.765	96	50015	15.887	ug/l	94
20) Diisopropyl ether	6.665	45	200651	19.919	ug/l	95
21) 1,1-Dichloroethane	6.553	63	108440	18.011	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	66003	18.014	ug/l	99
23) tert-Butyl Alcohol	5.518	59	70858	89.457	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	197607	19.572	ug/l #	85
25) Chloroform	7.953	83	112809	19.558	ug/l	98
26) Cyclohexane	8.241	56	82625	16.510	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	73612	19.322	ug/l	97
30) 2-Butanone	7.471	43	273944	106.594	ug/l	97
31) 2,2-Dichloropropane	7.477	77	88722	19.292	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	94766	21.291	ug/l	99
33) Carbon Tetrachloride	8.341	117	79873	21.324	ug/l	94
34) Benzene	8.588	78	230543	19.101	ug/l	98
35) Methacrylonitrile	7.765	41	54370	20.992	ug/l	92
36) 1,2-Dichloroethane	8.653	62	89095	22.847	ug/l	100
37) Trichloroethene	9.335	130	54222	19.476	ug/l	90
38) Methylcyclohexane	9.583	83	82279	18.822	ug/l	97
39) 1,2-Dichloropropane	9.600	63	61741	20.380	ug/l	95
40) Dibromomethane	9.688	93	44656	21.678	ug/l	97
41) Bromodichloromethane	9.871	83	90440	21.751	ug/l	100
42) Vinyl Acetate	6.589	43	814344	97.423	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087354.D
Acq On : 18 Jul 2025 09:49
Operator : JC\MD
Sample : VN0718WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 23:15:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	104599	22.546 ug/l	99
44) Isopropyl Acetate	8.677	43	168318	22.268 ug/l	97
45) 1,4-Dioxane	9.683	88	22395	437.982 ug/l	96
46) Methyl methacrylate	9.665	41	77417	22.032 ug/l	91
47) n-amyl Acetate	12.518	43	103268m	22.346 ug/l	
48) t-1,3-Dichloropropene	10.818	75	97826	21.105 ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	98514	19.992 ug/l	94
50) 1,1,2-Trichloroethane	11.000	97	59759	20.422 ug/l	96
51) Ethyl methacrylate	10.859	69	99466	22.333 ug/l	95
52) 1,3-Dichloropropane	11.147	76	103837	20.670 ug/l	100
53) Dibromochloromethane	11.341	129	66541	21.663 ug/l	98
54) 1,2-Dibromoethane	11.453	107	60898	20.172 ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	250674	98.193 ug/l	99
56) Bromoform	12.559	173	43849	20.766 ug/l #	99
58) 4-Methyl-2-Pentanone	10.430	43	538352	121.008 ug/l	97
59) 2-Hexanone	11.177	43	364057	126.726 ug/l	91
61) Tetrachloroethene	11.082	164	43638	19.912 ug/l	95
62) Toluene	10.612	91	243667	19.496 ug/l	97
64) Chlorobenzene	11.871	112	156878	19.677 ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	55487	21.064 ug/l	98
66) Ethyl Benzene	11.941	91	267636	19.563 ug/l	98
67) m/p-Xylenes	12.053	106	207896	39.657 ug/l	99
68) o-Xylene	12.376	106	102410	20.476 ug/l	96
69) Styrene	12.394	104	164445	19.152 ug/l	97
70) Isopropylbenzene	12.676	105	257201	20.649 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	92663	20.667 ug/l	96
72) 1,2,3-Trichloropropane	12.976	75	88121m	22.792 ug/l	
73) Bromobenzene	12.959	156	63051	20.867 ug/l	95
74) n-propylbenzene	13.018	91	317325	20.853 ug/l	99
75) 2-Chlorotoluene	13.106	91	185378	20.164 ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	217196	21.419 ug/l	98
77) t-1,4-Dichloro-2-butene	12.724	75	31906	18.604 ug/l	98
78) 4-Chlorotoluene	13.200	91	191958	20.387 ug/l	98
79) tert-butylbenzene	13.418	119	188065	22.063 ug/l	98
80) 1,2,4-Trimethylbenzene	13.465	105	213138	20.932 ug/l	100
81) sec-Butylbenzene	13.594	105	275791	22.258 ug/l	100
82) p-Isopropyltoluene	13.706	119	233831	22.676 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	119952	20.616 ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	125908	21.501 ug/l	99
85) n-Butylbenzene	14.035	91	217503	23.118 ug/l	97
86) Hexachloroethane	14.306	117	41372	21.196 ug/l	86
87) 1,2-Dichlorobenzene	14.088	146	117040	21.333 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21197	20.996 ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	71387	22.999 ug/l	99
90) Hexachlorobutadiene	15.476	225	30129	32.711 ug/l	96
91) Naphthalene	15.617	128	251907	20.621 ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	71387	22.999 ug/l	99

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

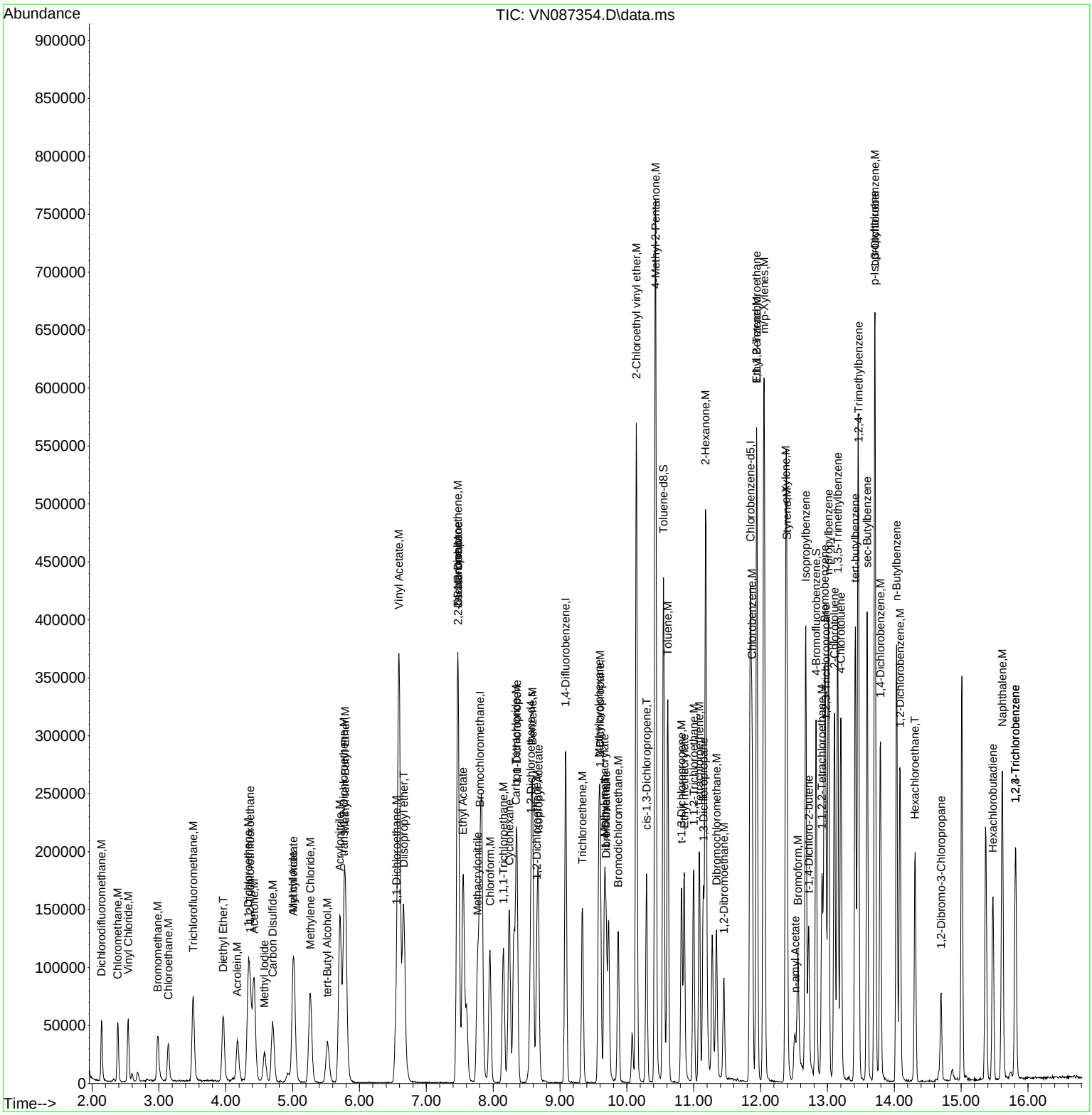
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087354.D
Acq On : 18 Jul 2025 09:49
Operator : JC\MD
Sample : VN0718WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 23:15:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087361.D
Acq On : 18 Jul 2025 13:16
Operator : JC\MD
Sample : VN0718WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 18 23:18:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	42433	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	214950	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	202696	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	103525	32.381	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.933%			
60) 4-Bromofluorobenzene	12.829	95	99771	31.898	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 106.333%			
63) Toluene-d8	10.547	98	275131	30.231	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	35853	14.036	ug/l	97
3) Chloromethane	2.383	50	41885	16.055	ug/l	96
4) Vinyl Chloride	2.536	62	44855	15.819	ug/l	95
5) Bromomethane	2.983	94	18361	12.202	ug/l	89
6) Chloroethane	3.142	64	30637	20.142	ug/l	96
7) Trichlorofluoromethane	3.518	101	69722	20.047	ug/l	89
8) Diethyl Ether	3.959	74	30088	17.608	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.359	101	38544	14.948	ug/l	95
10) 1,1-Dichloroethene	4.336	96	37395	14.548	ug/l	86
11) Methyl Iodide	4.577	142	26704	11.596	ug/l	91
12) Methyl Acetate	5.018	43	82847	20.548	ug/l #	85
13) Acrolein	4.183	56	48089	77.621	ug/l	98
14) Acrylonitrile	5.712	53	167411	89.018	ug/l	98
15) Acetone	4.424	58	49031	89.378	ug/l	79
16) Carbon Disulfide	4.701	76	102241	13.604	ug/l	100
17) Allyl chloride	5.012	41	75076	17.708	ug/l	93
18) Methylene Chloride	5.259	84	51714	17.367	ug/l	96
19) trans-1,2-Dichloroethene	5.771	96	43214	15.373	ug/l	97
20) Diisopropyl ether	6.659	45	173529	19.292	ug/l	96
21) 1,1-Dichloroethane	6.553	63	94938	17.660	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	54987	16.808	ug/l	95
23) tert-Butyl Alcohol	5.524	59	59706	84.418	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	165732	18.384	ug/l	98
25) Chloroform	7.953	83	98002	19.028	ug/l	100
26) Cyclohexane	8.241	56	65075	14.563	ug/l #	98
29) 1,1-Dichloropropene	8.359	75	60948	18.192	ug/l	97
30) 2-Butanone	7.471	43	246967	109.279	ug/l	96
31) 2,2-Dichloropropane	7.471	77	80501	19.905	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	80024	20.445	ug/l	99
33) Carbon Tetrachloride	8.347	117	67642	20.536	ug/l	96
34) Benzene	8.589	78	199829	18.827	ug/l	98
35) Methacrylonitrile	7.765	41	50200	22.041	ug/l	95
36) 1,2-Dichloroethane	8.659	62	77012	22.457	ug/l	98
37) Trichloroethene	9.336	130	44812	18.304	ug/l	98
38) Methylcyclohexane	9.583	83	63597	16.544	ug/l	97
39) 1,2-Dichloropropane	9.606	63	51797	19.443	ug/l	98
40) Dibromomethane	9.694	93	37885	20.914	ug/l	98
41) Bromodichloromethane	9.871	83	78887	21.575	ug/l #	96
42) Vinyl Acetate	6.589	43	786848	107.046	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087361.D
Acq On : 18 Jul 2025 13:16
Operator : JC\MD
Sample : VN0718WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 18 23:18:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	92098	22.575	ug/l		100
44) Isopropyl Acetate	8.677	43	147643	22.212	ug/l		97
45) 1,4-Dioxane	9.683	88	18109	402.741	ug/l	#	96
46) Methyl methacrylate	9.665	41	65982	21.353	ug/l		91
47) n-amyl Acetate	12.518	43	88985m	21.896	ug/l		
48) t-1,3-Dichloropropene	10.818	75	81666	20.035	ug/l		97
49) cis-1,3-Dichloropropene	10.294	75	85567	19.747	ug/l		91
50) 1,1,2-Trichloroethane	10.994	97	51059	19.843	ug/l		97
51) Ethyl methacrylate	10.859	69	78913	20.149	ug/l		86
52) 1,3-Dichloropropane	11.147	76	89110	20.171	ug/l		99
53) Dibromochloromethane	11.341	129	58941	21.821	ug/l		97
54) 1,2-Dibromoethane	11.447	107	51936	19.563	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	229622	102.285	ug/l		100
56) Bromoform	12.559	173	37792	20.353	ug/l	#	95
58) 4-Methyl-2-Pentanone	10.430	43	484568	118.914	ug/l		94
59) 2-Hexanone	11.182	43	321652	122.241	ug/l		91
61) Tetrachloroethene	11.082	164	37558	18.711	ug/l		89
62) Toluene	10.612	91	214455	18.733	ug/l		99
64) Chlorobenzene	11.871	112	138176	18.922	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	49360	20.457	ug/l		98
66) Ethyl Benzene	11.947	91	228458	18.232	ug/l		100
67) m/p-Xylenes	12.053	106	177611	36.990	ug/l		98
68) o-Xylene	12.377	106	85132	18.584	ug/l		96
69) Styrene	12.394	104	147470	18.751	ug/l		98
70) Isopropylbenzene	12.677	105	216730	18.996	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	82216	20.020	ug/l		99
72) 1,2,3-Trichloropropane	12.971	75	80548m	22.745	ug/l		
73) Bromobenzene	12.959	156	55891	20.195	ug/l		93
74) n-propylbenzene	13.012	91	275814	19.788	ug/l		99
75) 2-Chlorotoluene	13.106	91	161776	19.212	ug/l		97
76) 1,3,5-Trimethylbenzene	13.153	105	184498	19.864	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	21439	13.648	ug/l		86
78) 4-Chlorotoluene	13.200	91	170444	19.763	ug/l		99
79) tert-butylbenzene	13.418	119	159673	20.452	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	187139	20.065	ug/l		98
81) sec-Butylbenzene	13.594	105	231192	20.370	ug/l		99
82) p-Isopropyltoluene	13.706	119	192583	20.390	ug/l		97
83) 1,3-Dichlorobenzene	13.712	146	107976	20.260	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	106059	19.774	ug/l		98
85) n-Butylbenzene	14.035	91	178654	20.732	ug/l		99
86) Hexachloroethane	14.312	117	35454	19.831	ug/l		91
87) 1,2-Dichlorobenzene	14.082	146	101395	20.178	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	18194	19.675	ug/l		98
89) 1,2,4-Trichlorobenzene	15.812	180	60524	21.289	ug/l		98
90) Hexachlorobutadiene	15.476	225	24689	29.265	ug/l		95
91) Naphthalene	15.612	128	211981	18.945	ug/l		99
92) 1,2,3-Trichlorobenzene	15.812	180	60524	21.289	ug/l		98

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

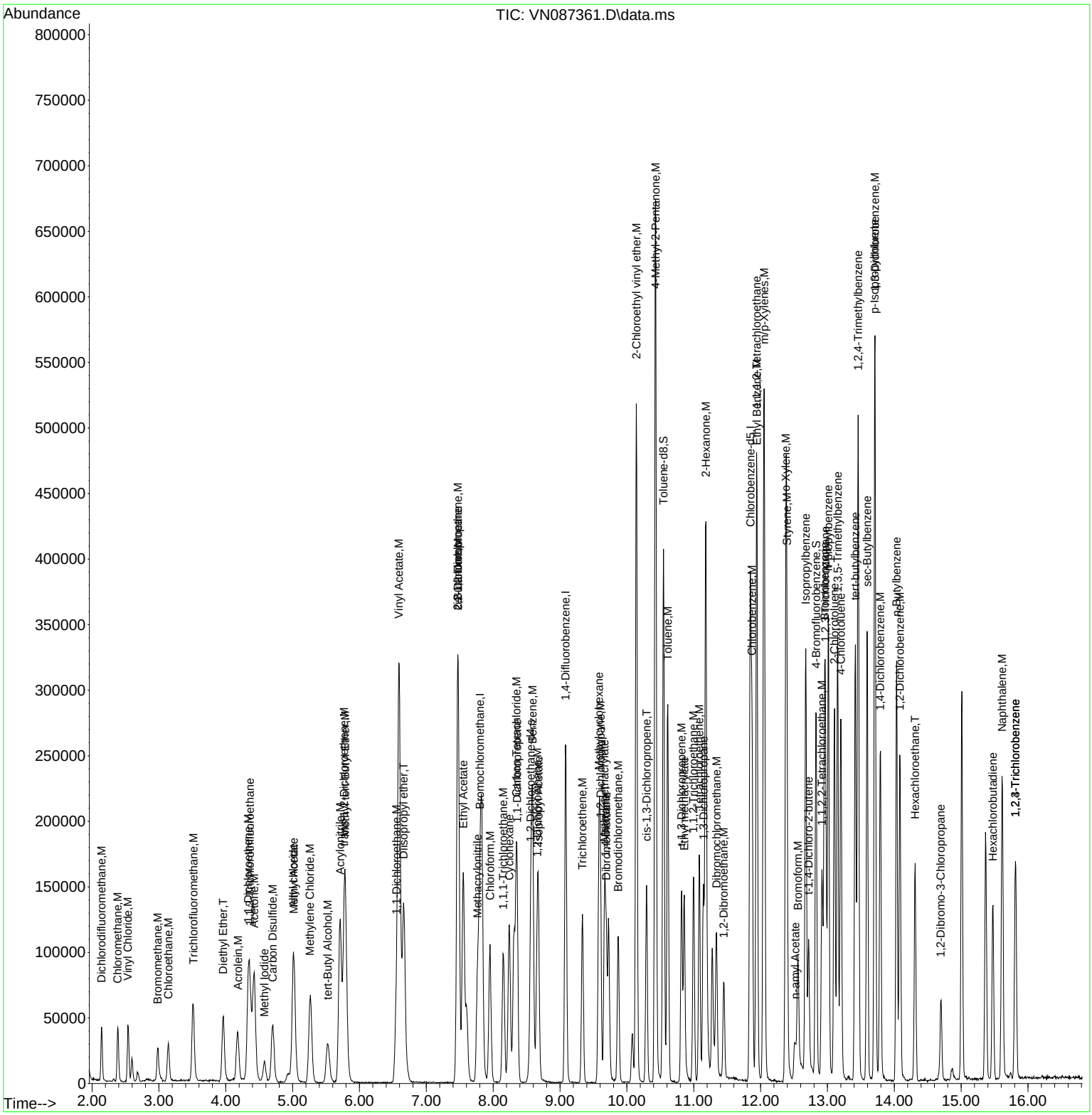
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087361.D
Acq On : 18 Jul 2025 13:16
Operator : JC\MD
Sample : VN0718WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 18 23:18:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



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

Manual Integration Report

Sequence:	VN062525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087162.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	2-Hexanone	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Carbon Tetrachloride	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Ethyl Acetate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Ethyl methacrylate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Methacrylonitrile	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	n-amyl Acetate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	tert-Butyl Alcohol	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICCC020	VN087163.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:54:56 PM	MMDadoda	6/26/2025 2:39:57 PM	Peak Integrated by Software
VSTDICCC020	VN087163.D	n-amyl Acetate	JOHN	6/25/2025 3:54:56 PM	MMDadoda	6/26/2025 2:39:57 PM	Peak Integrated by Software
VSTDICC050	VN087164.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:01 PM	MMDadoda	6/26/2025 2:40:07 PM	Peak Integrated by Software
VSTDICC100	VN087165.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:06 PM	MMDadoda	6/26/2025 2:40:11 PM	Peak Integrated by Software
VSTDICC150	VN087166.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:12 PM	MMDadoda	6/26/2025 2:40:18 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN062525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV020	VN087168.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:16 PM	MMDadoda	6/26/2025 2:40:24 PM	Peak Integrated by Software
VSTDICV020	VN087168.D	n-amyl Acetate	JOHN	6/25/2025 3:55:16 PM	MMDadoda	6/26/2025 2:40:24 PM	Peak Integrated by Software
VSTDCCC020	VN087179.D	1,2,3-Trichloropropane	JOHN	6/26/2025 8:29:10 AM	MMDadoda	6/26/2025 2:40:36 PM	Peak Integrated by Software
VSTDCCC020	VN087179.D	n-amyl Acetate	JOHN	6/26/2025 8:29:10 AM	MMDadoda	6/26/2025 2:40:36 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN071825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087353.D	1,1,2-Trichlorotrifluoroethane	JOHN	7/21/2025 8:43:29 AM	MMDadoda	7/21/2025 1:55:25 PM	Peak Integrated by Software
VSTDCCC020	VN087353.D	1,2,3-Trichloropropane	JOHN	7/21/2025 8:43:29 AM	MMDadoda	7/21/2025 1:55:25 PM	Peak Integrated by Software
VSTDCCC020	VN087353.D	Diethyl Ether	JOHN	7/21/2025 8:43:29 AM	MMDadoda	7/21/2025 1:55:25 PM	Peak Integrated by Software
VSTDCCC020	VN087353.D	n-amyl Acetate	JOHN	7/21/2025 8:43:29 AM	MMDadoda	7/21/2025 1:55:25 PM	Peak Integrated by Software
VN0718WBS01	VN087354.D	1,2,3-Trichloropropane	JOHN	7/21/2025 8:43:34 AM	MMDadoda	7/21/2025 1:55:27 PM	Peak Integrated by Software
VN0718WBS01	VN087354.D	n-amyl Acetate	JOHN	7/21/2025 8:43:34 AM	MMDadoda	7/21/2025 1:55:27 PM	Peak Integrated by Software
VN0718WBSD01	VN087361.D	1,2,3-Trichloropropane	JOHN	7/21/2025 8:43:58 AM	MMDadoda	7/21/2025 1:55:43 PM	Peak Integrated by Software
VN0718WBSD01	VN087361.D	n-amyl Acetate	JOHN	7/21/2025 8:43:58 AM	MMDadoda	7/21/2025 1:55:43 PM	Peak Integrated by Software
VSTDCCC020	VN087366.D	1,2,3-Trichloropropane	JOHN	7/21/2025 8:46:40 AM	MMDadoda	7/21/2025 1:55:44 PM	Peak Integrated by Software
VSTDCCC020	VN087366.D	Methylene Chloride	JOHN	7/21/2025 8:46:40 AM	MMDadoda	7/21/2025 1:55:44 PM	Peak Integrated by Software
VSTDCCC020	VN087366.D	n-amyl Acetate	JOHN	7/21/2025 8:46:40 AM	MMDadoda	7/21/2025 1:55:44 PM	Peak Integrated by Software
VSTDCCC020	VN087366.D	trans-1,2-Dichloroethene	JOHN	7/21/2025 8:46:40 AM	MMDadoda	7/21/2025 1:55:44 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN071825	Instrument	MSVOA_n

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

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087161.D	25 Jun 2025 08:25	JC\MD	Ok
2	VSTDICC005	VN087162.D	25 Jun 2025 08:59	JC\MD	Ok,M
3	VSTDICCC020	VN087163.D	25 Jun 2025 09:20	JC\MD	Ok,M
4	VSTDICC050	VN087164.D	25 Jun 2025 09:41	JC\MD	Ok,M
5	VSTDICC100	VN087165.D	25 Jun 2025 10:03	JC\MD	Ok,M
6	VSTDICC150	VN087166.D	25 Jun 2025 10:24	JC\MD	Ok,M
7	IBLK	VN087167.D	25 Jun 2025 10:46	JC\MD	Ok
8	VSTDICV020	VN087168.D	25 Jun 2025 11:08	JC\MD	Ok,M
9	VN0625WBS01	VN087169.D	25 Jun 2025 11:41	JC\MD	Ok,M
10	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15	JC\MD	Ok,M
11	VN0625WBL01	VN087171.D	25 Jun 2025 12:36	JC\MD	Ok
12	Q2349-01	VN087172.D	25 Jun 2025 13:11	JC\MD	Dilution
13	Q2349-04	VN087173.D	25 Jun 2025 13:33	JC\MD	Dilution
14	Q2349-01DL	VN087174.D	25 Jun 2025 13:54	JC\MD	Ok
15	Q2349-04DL	VN087175.D	25 Jun 2025 14:15	JC\MD	Ok
16	IBLK	VN087176.D	25 Jun 2025 14:37	JC\MD	Ok
17	Q2126-07 2.5PPB	VN087177.D	25 Jun 2025 14:58	JC\MD	Ok,M
18	Q2126-08 5.0PPB	VN087178.D	25 Jun 2025 15:20	JC\MD	Ok,M
19	VSTDCCC020	VN087179.D	25 Jun 2025 16:12	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 # VN071825

Review By	John Carlone	Review On	7/21/2025 8:49:59 AM				
Supervise By	Mahesh Dadoda	Supervise On	7/21/2025 1:55:50 PM				
SubDirectory	VN071825	HP Acquire Method	MSVOA_N		HP Processing Method	624n062525w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134817
Initial Calibration Stds	
CCC	VP134818,VP134819
Internal Standard/PEM	VP134691
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087352.D	18 Jul 2025 08:42	JC\MD	Ok
2	VSTDCCC020	VN087353.D	18 Jul 2025 09:15	JC\MD	Ok,M
3	VN0718WBS01	VN087354.D	18 Jul 2025 09:49	JC\MD	Ok,M
4	VN0718WBS02	VN087355.D	18 Jul 2025 10:21	JC\MD	Not Ok
5	VN0718WBL01	VN087356.D	18 Jul 2025 11:04	JC\MD	Ok
6	Q2630-01	VN087357.D	18 Jul 2025 11:51	JC\MD	Dilution
7	Q2630-02	VN087358.D	18 Jul 2025 12:12	JC\MD	Dilution
8	Q2585-01	VN087359.D	18 Jul 2025 12:34	JC\MD	ReRun
9	Q2594-01	VN087360.D	18 Jul 2025 12:55	JC\MD	Not Ok
10	VN0718WBSD01	VN087361.D	18 Jul 2025 13:16	JC\MD	Ok,M
11	Q2630-01DL	VN087362.D	18 Jul 2025 13:37	JC\MD	Ok
12	Q2630-02DL	VN087363.D	18 Jul 2025 13:59	JC\MD	Ok
13	Q2585-01	VN087364.D	18 Jul 2025 14:20	JC\MD	Ok
14	Q2594-01	VN087365.D	18 Jul 2025 14:41	JC\MD	Ok
15	VSTDCCC020	VN087366.D	18 Jul 2025 15:02	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 # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087161.D	25 Jun 2025 08:25		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN087162.D	25 Jun 2025 08:59		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN087163.D	25 Jun 2025 09:20		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN087164.D	25 Jun 2025 09:41		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN087165.D	25 Jun 2025 10:03		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN087166.D	25 Jun 2025 10:24		JC\MD	Ok,M
7	IBLK	IBLK	VN087167.D	25 Jun 2025 10:46		JC\MD	Ok
8	VSTDICV020	ICVVN062525	VN087168.D	25 Jun 2025 11:08	pH#Lot#V12668	JC\MD	Ok,M
9	VN0625WBS01	VN0625WBS01	VN087169.D	25 Jun 2025 11:41		JC\MD	Ok,M
10	VN0625WBSD01	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15		JC\MD	Ok,M
11	VN0625WBL01	VN0625WBL01	VN087171.D	25 Jun 2025 12:36		JC\MD	Ok
12	Q2349-01	001-WILLETS-PT-BLVD	VN087172.D	25 Jun 2025 13:11	vial A pH<2 need 20X	JC\MD	Dilution
13	Q2349-04	002-35TH-AVE(JUNE)	VN087173.D	25 Jun 2025 13:33	vial A pH<2 need 20X	JC\MD	Dilution
14	Q2349-01DL	001-WILLETS-PT-BLVD	VN087174.D	25 Jun 2025 13:54	vial B pH<2	JC\MD	Ok
15	Q2349-04DL	002-35TH-AVE(JUNE)D	VN087175.D	25 Jun 2025 14:15	vial B pH<2	JC\MD	Ok
16	IBLK	IBLK	VN087176.D	25 Jun 2025 14:37		JC\MD	Ok
17	Q2126-07 2.5PPB	LOD-MDL-WATER-01-(	VN087177.D	25 Jun 2025 14:58		JC\MD	Ok,M
18	Q2126-08 5.0PPB	LOQ-WATER-02-QT2-2	VN087178.D	25 Jun 2025 15:20		JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC020	VSTDCCC020EC	VN087179.D	25 Jun 2025 16:12		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 # VN071825

Review By	John Carlone	Review On	7/21/2025 8:49:59 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/21/2025 1:55:50 PM		
SubDirectory	VN071825	HP Acquire Method	MSVOA_N	HP Processing Method	624n062525w.m

STD. NAME	STD REF.#
Tune/Reschk	VP134817
Initial Calibration Stds	
CCC	VP134818,VP134819
Internal Standard/PEM	VP134691
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087352.D	18 Jul 2025 08:42		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087353.D	18 Jul 2025 09:15		JC\MD	Ok,M
3	VN0718WBS01	VN0718WBS01	VN087354.D	18 Jul 2025 09:49		JC\MD	Ok,M
4	VN0718WBS02	VN0718WBS02	VN087355.D	18 Jul 2025 10:21	surrogate failed	JC\MD	Not Ok
5	VN0718WBL01	VN0718WBL01	VN087356.D	18 Jul 2025 11:04		JC\MD	Ok
6	Q2630-01	001 Willets Pt Blvd (Jur	VN087357.D	18 Jul 2025 11:51	vial A pH<2 Need 5X	JC\MD	Dilution
7	Q2630-02	002 35th Ave (JUNE)	VN087358.D	18 Jul 2025 12:12	vial A pH<2 Surrogate Fail;Need 5X	JC\MD	Dilution
8	Q2585-01	EFF-WW	VN087359.D	18 Jul 2025 12:34	vial A pH<2 Surrogate fail;E flag of previous sample	JC\MD	ReRun
9	Q2594-01	CC-071325-RW	VN087360.D	18 Jul 2025 12:55	Surrogate Fail;Run @ lower dilution	JC\MD	Not Ok
10	VN0718WBSD01	VN0718WBSD01	VN087361.D	18 Jul 2025 13:16	BSD Failed Low for com.#16,26	JC\MD	Ok,M
11	Q2630-01DL	001 Willets Pt Blvd (Jur	VN087362.D	18 Jul 2025 13:37	vial B pH<2	JC\MD	Ok
12	Q2630-02DL	002 35th Ave (JUNE)DL	VN087363.D	18 Jul 2025 13:59	vial B pH<2	JC\MD	Ok
13	Q2585-01	EFF-WW	VN087364.D	18 Jul 2025 14:20	vial B pH<2	JC\MD	Ok
14	Q2594-01	CC-071325-RW	VN087365.D	18 Jul 2025 14:41	vial A pH<2	JC\MD	Ok
15	VSTDCCC020	VSTDCCC020EC	VN087366.D	18 Jul 2025 15:02		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:	Q2594	**OrderDate:**	7/14/2025 12:05:00 PM
Client:	Environmental Restoration, LLC	**Project:**	Cooper Chemical - Long Valley NJ 2-COOP-ANS
Contact:	Byron Hartman	**Location:**	O41,O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2594-01	**CC-071325-RW**	**Water**			**07/14/25**			**07/14/25**
			VOC-TCLVOA-10	624.1			07/18/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2594

Client: Environmental Restoration, LLC

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**CC-071325-RW**								
Q2594-01	CC-071325-RW	WATER	1,3-Dioxolane, 2-ethyl-4-methyl-	*	48.400	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	1-Dodecanol, 2-octyl-	*	220.000	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	1-Eicosene	*	160.000	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	1-Octadecene	*	9.400	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	7.900	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Benzophenone	*	3.500	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Butane, 2-methoxy-2-methyl-	*	68.300	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Cyclohexadecane, 1,2-diethyl-	*	98.300	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Ethane, 1,2-diiodo-	*	10.500	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Malonic acid diisopropyl ester	*	8.000	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	n-Hexadecanoic acid	*	7.200	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	Octadecanoic acid	*	4.300	J	0	0	ug/L
Q2594-01	CC-071325-RW	WATER	unknown5.287	*	64.000	J	0	0	ug/L
			Total Tics :		**709.80**				
			Total Concentration:		**709.80**				

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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143166.D	1	07/17/25 08:39	07/18/25 14:54	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	5.00	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143166.D	1	07/17/25 08:39	07/18/25 14:54	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143166.D	1	07/17/25 08:39	07/18/25 14:54	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	21.5		15 (60) - 110 (140)	21%	SPK: 100
13127-88-3	Phenol-d6	16.2		15 (60) - 110 (140)	16%	SPK: 100
4165-60-0	Nitrobenzene-d5	76.5		30 (60) - 130 (140)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.6		30 (60) - 130 (140)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.2		15 (60) - 110 (140)	80%	SPK: 100
1718-51-0	Terphenyl-d14	71.7		30 (60) - 130 (140)	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.963			
1146-65-2	Naphthalene-d8	563000	8.239			
15067-26-2	Acenaphthene-d10	291000	9.998			
1517-22-2	Phenanthrene-d10	471000	11.48			
1719-03-5	Chrysene-d12	259000	14.116			
1520-96-3	Perylene-d12	303000	15.621			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	68.3	J		2.32	ug/L
013195-64-7	Malonic acid diisopropyl ester	8.00	J		4.82	ug/L
	unknown5.287	64.0	J		5.29	ug/L
000624-73-7	Ethane, 1,2-diiodo-	10.5	J		6.42	ug/L
004359-46-0	1,3-Dioxolane, 2-ethyl-4-methyl-	48.4	J		6.72	ug/L
000119-61-9	Benzophenone	3.50	J		10.7	ug/L
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	7.90	J		11.9	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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143166.D	1	07/17/25 08:39	07/18/25 14:54	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	7.20	J		12.0	ug/L
000057-11-4	Octadecanoic acid	4.30	J		12.8	ug/L
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	98.3	J		13.7	ug/L
003452-07-1	1-Eicosene	160	J		13.8	ug/L
000112-88-9	1-Octadecene	9.40	J		16.4	ug/L
005333-42-6	1-Dodecanol, 2-octyl-	220	J		16.6	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

SW-846

SDG No.: Q2594

Client: Environmental Restoration, LLC

Analytical Method: 625.1

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168904BL	PB168904BL	2-Fluorophenol	100	82.8	83		15 (60)	110 (140)
		Phenol-d6	100	83.0	83		15 (60)	110 (140)
		Nitrobenzene-d5	100	79.3	79		30 (60)	130 (140)
		2-Fluorobiphenyl	100	75.8	76		30 (60)	130 (140)
		2,4,6-Tribromophenol	100	69.4	69		15 (60)	110 (140)
		Terphenyl-d14	100	82.8	83		30 (60)	130 (140)
PB168904BS	PB168904BS	2-Fluorophenol	100	79.6	80		15 (60)	110 (140)
		Phenol-d6	100	80.9	81		15 (60)	110 (140)
		Nitrobenzene-d5	100	80.0	80		30 (60)	130 (140)
		2-Fluorobiphenyl	100	74.5	74		30 (60)	130 (140)
		2,4,6-Tribromophenol	100	83.6	84		15 (60)	110 (140)
		Terphenyl-d14	100	78.8	79		30 (60)	130 (140)
PB168904BSD	PB168904BSD	2-Fluorophenol	100	81.3	81		15 (60)	110 (140)
		Phenol-d6	100	82.2	82		15 (60)	110 (140)
		Nitrobenzene-d5	100	80.7	81		30 (60)	130 (140)
		2-Fluorobiphenyl	100	74.9	75		30 (60)	130 (140)
		2,4,6-Tribromophenol	100	83.4	83		15 (60)	110 (140)
		Terphenyl-d14	100	78.0	78		30 (60)	130 (140)
Q2594-01	CC-071325-RW	2-Fluorophenol	100	21.5	21		15 (60)	110 (140)
		Phenol-d6	100	16.2	16		15 (60)	110 (140)
		Nitrobenzene-d5	100	76.5	76		30 (60)	130 (140)
		2-Fluorobiphenyl	100	72.6	73		30 (60)	130 (140)
		2,4,6-Tribromophenol	100	80.2	80		15 (60)	110 (140)
		Terphenyl-d14	100	71.7	72		30 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2594 **Analytical Method:** 625.1

Client: Environmental Restoration, LLC **DataFile:** BF143162.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168904BS	Benzaldehyde	50	33.5	ug/L	67				20 (10)	160 (110)	
	Phenol	50	42.4	ug/L	85				20 (48)	160 (130)	
	bis(2-Chloroethyl)ether	50	42.5	ug/L	85				70 (52)	130 (130)	
	2-Chlorophenol	50	42.7	ug/L	85				70 (55)	130 (130)	
	2-Methylphenol	50	43.1	ug/L	86				70 (15)	130 (153)	
	2,2-oxybis(1-Chloropropane)	50	42.7	ug/L	85				70 (63)	130 (139)	
	Acetophenone	50	43.2	ug/L	86				70 (21)	130 (128)	
	3+4-Methylphenols	50	43.5	ug/L	87				20 (10)	160 (156)	
	N-Nitroso-di-n-propylamine	50	42.4	ug/L	85				70 (59)	130 (170)	
	Hexachloroethane	50	43.2	ug/L	86				70 (55)	130 (130)	
	Nitrobenzene	50	44.0	ug/L	88				70 (54)	130 (158)	
	Isophorone	50	43.8	ug/L	88				70 (52)	130 (180)	
	2-Nitrophenol	50	46.4	ug/L	93				70 (61)	130 (163)	
	2,4-Dimethylphenol	50	44.1	ug/L	88				70 (58)	130 (130)	
	bis(2-Chloroethoxy)methane	50	43.2	ug/L	86				70 (52)	130 (164)	
	2,4-Dichlorophenol	50	43.6	ug/L	87				70 (64)	130 (130)	
	Naphthalene	50	42.9	ug/L	86				70 (70)	130 (130)	
	4-Chloroaniline	50	18.8	ug/L	38		*		70 (10)	130 (126)	
	Hexachlorobutadiene	50	42.9	ug/L	86				70 (68)	130 (130)	
	Caprolactam	50	47.1	ug/L	94				20 (10)	160 (160)	
	4-Chloro-3-methylphenol	50	44.1	ug/L	88				70 (68)	130 (130)	
	2-Methylnaphthalene	50	43.3	ug/L	87				70 (25)	130 (124)	
	Hexachlorocyclopentadiene	100	86.3	ug/L	86				70 (21)	130 (137)	
	2,4,6-Trichlorophenol	50	42.9	ug/L	86				70 (69)	130 (130)	
	2,4,5-Trichlorophenol	50	45.7	ug/L	91				70 (74)	130 (100)	
	1,1-Biphenyl	50	43.3	ug/L	87				70 (20)	130 (125)	
	2-Chloronaphthalene	50	42.6	ug/L	85				70 (70)	130 (130)	
	2-Nitroaniline	50	46.7	ug/L	93				70 (61)	130 (112)	
	Dimethylphthalate	50	43.9	ug/L	88				70 (50)	130 (130)	
	Acenaphthylene	50	43.2	ug/L	86				70 (60)	130 (130)	
	2,6-Dinitrotoluene	50	47.2	ug/L	94				70 (68)	130 (137)	
	3-Nitroaniline	50	29.4	ug/L	59		*		70 (35)	130 (106)	
	Acenaphthene	50	46.2	ug/L	92				70 (70)	130 (130)	
	2,4-Dinitrophenol	100	90.5	ug/L	91				20 (39)	160 (173)	
	4-Nitrophenol	100	89.2	ug/L	89				20 (35)	160 (130)	
	Dibenzofuran	50	42.6	ug/L	85				70 (29)	130 (125)	
	2,4-Dinitrotoluene	50	48.9	ug/L	98				70 (53)	130 (130)	
	Diethylphthalate	50	44.7	ug/L	89				70 (47)	130 (130)	
	4-Chlorophenyl-phenylether	50	43.4	ug/L	87				70 (57)	130 (145)	
	Fluorene	50	42.8	ug/L	86				70 (70)	130 (130)	
	4-Nitroaniline	50	44.3	ug/L	89				70 (69)	130 (101)	
	4,6-Dinitro-2-methylphenol	50	45.1	ug/L	90				70 (56)	130 (130)	
	N-Nitrosodiphenylamine	50	43.8	ug/L	88				70 (63)	130 (100)	
	4-Bromophenyl-phenylether	50	44.1	ug/L	88				70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2594 **Analytical Method:** 625.1

Client: Environmental Restoration, LLC **DataFile:** BF143162.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168904BS	Hexachlorobenzene	50	44.7	ug/L	89				70 (38)	130 (142)	
	Atrazine	50	47.4	ug/L	95				70 (51)	130 (130)	
	Pentachlorophenol	100	91.0	ug/L	91				20 (42)	160 (152)	
	Phenanthrene	50	43.8	ug/L	88				70 (67)	130 (130)	
	Anthracene	50	43.8	ug/L	88				70 (58)	130 (130)	
	Carbazole	50	43.9	ug/L	88				70 (60)	130 (125)	
	Di-n-butylphthalate	50	46.0	ug/L	92				70 (52)	130 (130)	
	Fluoranthene	50	44.2	ug/L	88				70 (47)	130 (130)	
	Pyrene	50	44.7	ug/L	89				70 (70)	130 (130)	
	Butylbenzylphthalate	50	47.3	ug/L	95				70 (43)	130 (140)	
	3,3-Dichlorobenzidine	50	25.1	ug/L	50		*		70 (18)	130 (213)	
	Benzo(a)anthracene	50	44.2	ug/L	88				70 (42)	130 (133)	
	Chrysene	50	45.1	ug/L	90				70 (44)	130 (140)	
	bis(2-Ethylhexyl)phthalate	50	47.8	ug/L	96				70 (43)	130 (137)	
	Di-n-octyl phthalate	50	46.5	ug/L	93				70 (21)	130 (132)	
	Benzo(b)fluoranthene	50	44.7	ug/L	89				70 (42)	130 (140)	
	Benzo(k)fluoranthene	50	46.5	ug/L	93				70 (25)	130 (146)	
	Benzo(a)pyrene	50	45.7	ug/L	91				70 (32)	130 (148)	
	Indeno(1,2,3-cd)pyrene	50	44.8	ug/L	90				70 (13)	130 (151)	
	Dibenz(a,h)anthracene	50	45.0	ug/L	90				70 (13)	130 (200)	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				70 (13)	130 (195)	
	1,2,4,5-Tetrachlorobenzene	50	41.6	ug/L	83				70 (70)	130 (130)	
	2,3,4,6-Tetrachlorophenol	50	45.1	ug/L	90				70 (70)	130 (130)	
	1,4-Dioxane	50	35.8	ug/L	72				20 (70)	160 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2594 **Analytical Method:** 625.1

Client: Environmental Restoration, LLC **DataFile:** BF143163.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168904BSD	Benzaldehyde	50	34.9	ug/L	70	4			20 (10)	160 (110)	20 (20)
	Phenol	50	43.6	ug/L	87	3			20 (48)	160 (130)	20 (20)
	bis(2-Chloroethyl)ether	50	43.8	ug/L	88	3			70 (52)	130 (130)	20 (20)
	2-Chlorophenol	50	44.0	ug/L	88	3			70 (55)	130 (130)	20 (20)
	2-Methylphenol	50	44.1	ug/L	88	2			70 (15)	130 (153)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.8	ug/L	88	3			70 (63)	130 (139)	20 (20)
	Acetophenone	50	43.1	ug/L	86	0			70 (21)	130 (128)	20 (20)
	3+4-Methylphenols	50	45.0	ug/L	90	3			20 (10)	160 (156)	20 (20)
	N-Nitroso-di-n-propylamine	50	43.2	ug/L	86	2			70 (59)	130 (170)	20 (20)
	Hexachloroethane	50	44.0	ug/L	88	2			70 (55)	130 (130)	20 (20)
	Nitrobenzene	50	44.5	ug/L	89	1			70 (54)	130 (158)	20 (20)
	Isophorone	50	44.0	ug/L	88	0			70 (52)	130 (180)	20 (20)
	2-Nitrophenol	50	47.7	ug/L	95	3			70 (61)	130 (163)	20 (20)
	2,4-Dimethylphenol	50	44.4	ug/L	89	1			70 (58)	130 (130)	20 (20)
	bis(2-Chloroethoxy)methane	50	43.8	ug/L	88	1			70 (52)	130 (164)	20 (20)
	2,4-Dichlorophenol	50	44.2	ug/L	88	1			70 (64)	130 (130)	20 (20)
	Naphthalene	50	43.6	ug/L	87	2			70 (70)	130 (130)	20 (20)
	4-Chloroaniline	50	19.5	ug/L	39	4	*		70 (10)	130 (126)	20 (20)
	Hexachlorobutadiene	50	43.6	ug/L	87	2			70 (68)	130 (130)	20 (20)
	Caprolactam	50	48.3	ug/L	97	3			20 (10)	160 (160)	20 (20)
	4-Chloro-3-methylphenol	50	45.0	ug/L	90	2			70 (68)	130 (130)	20 (20)
	2-Methylnaphthalene	50	43.4	ug/L	87	0			70 (25)	130 (124)	20 (20)
	Hexachlorocyclopentadiene	100	87.5	ug/L	88	1			70 (21)	130 (137)	20 (20)
	2,4,6-Trichlorophenol	50	43.1	ug/L	86	0			70 (69)	130 (130)	20 (20)
	2,4,5-Trichlorophenol	50	46.1	ug/L	92	1			70 (74)	130 (100)	20 (20)
	1,1-Biphenyl	50	43.6	ug/L	87	1			70 (20)	130 (125)	20 (20)
	2-Chloronaphthalene	50	42.9	ug/L	86	1			70 (70)	130 (130)	20 (20)
	2-Nitroaniline	50	47.4	ug/L	95	1			70 (61)	130 (112)	20 (20)
	Dimethylphthalate	50	45.0	ug/L	90	2			70 (50)	130 (130)	20 (20)
	Acenaphthylene	50	43.5	ug/L	87	1			70 (60)	130 (130)	20 (20)
	2,6-Dinitrotoluene	50	48.5	ug/L	97	3			70 (68)	130 (137)	20 (20)
	3-Nitroaniline	50	29.8	ug/L	60	1	*		70 (35)	130 (106)	20 (20)
	Acenaphthene	50	47.0	ug/L	94	2			70 (70)	130 (130)	20 (20)
	2,4-Dinitrophenol	100	93.7	ug/L	94	3			20 (39)	160 (173)	20 (20)
	4-Nitrophenol	100	92.8	ug/L	93	4			20 (35)	160 (130)	20 (20)
	Dibenzofuran	50	43.3	ug/L	87	2			70 (29)	130 (125)	20 (20)
	2,4-Dinitrotoluene	50	50.7	ug/L	101	4			70 (53)	130 (130)	20 (20)
	Diethylphthalate	50	45.6	ug/L	91	2			70 (47)	130 (130)	20 (20)
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87	1			70 (57)	130 (145)	20 (20)
	Fluorene	50	43.1	ug/L	86	1			70 (70)	130 (130)	20 (20)
	4-Nitroaniline	50	45.4	ug/L	91	2			70 (69)	130 (101)	20 (20)
	4,6-Dinitro-2-methylphenol	50	44.6	ug/L	89	1			70 (56)	130 (130)	20 (20)
	N-Nitrosodiphenylamine	50	43.7	ug/L	87	0			70 (63)	130 (100)	20 (20)
	4-Bromophenyl-phenylether	50	43.8	ug/L	88	1			70 (70)	130 (130)	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.: Q2594 **Analytical Method:** 625.1

Client: Environmental Restoration, LLC **DataFile:** BF143163.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168904BSD	Hexachlorobenzene	50	44.5	ug/L	89	0			70 (38)	130 (142)	20 (20)
	Atrazine	50	46.9	ug/L	94	1			70 (51)	130 (130)	20 (20)
	Pentachlorophenol	100	89.7	ug/L	90	1			20 (42)	160 (152)	20 (20)
	Phenanthrene	50	43.9	ug/L	88	0			70 (67)	130 (130)	20 (20)
	Anthracene	50	43.1	ug/L	86	2			70 (58)	130 (130)	20 (20)
	Carbazole	50	44.1	ug/L	88	0			70 (60)	130 (125)	20 (20)
	Di-n-butylphthalate	50	46.0	ug/L	92	0			70 (52)	130 (130)	20 (20)
	Fluoranthene	50	45.0	ug/L	90	2			70 (47)	130 (130)	20 (20)
	Pyrene	50	43.9	ug/L	88	2			70 (70)	130 (130)	20 (20)
	Butylbenzylphthalate	50	47.4	ug/L	95	0			70 (43)	130 (140)	20 (20)
	3,3-Dichlorobenzidine	50	25.0	ug/L	50	0	*		70 (18)	130 (213)	20 (20)
	Benzo(a)anthracene	50	44.4	ug/L	89	0			70 (42)	130 (133)	20 (20)
	Chrysene	50	46.0	ug/L	92	2			70 (44)	130 (140)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	47.0	ug/L	94	2			70 (43)	130 (137)	20 (20)
	Di-n-octyl phthalate	50	45.8	ug/L	92	2			70 (21)	130 (132)	20 (20)
	Benzo(b)fluoranthene	50	45.3	ug/L	91	1			70 (42)	130 (140)	20 (20)
	Benzo(k)fluoranthene	50	46.4	ug/L	93	0			70 (25)	130 (146)	20 (20)
	Benzo(a)pyrene	50	45.4	ug/L	91	1			70 (32)	130 (148)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	44.4	ug/L	89	1			70 (13)	130 (151)	20 (20)
	Dibenz(a,h)anthracene	50	44.5	ug/L	89	1			70 (13)	130 (200)	20 (20)
	Benzo(g,h,i)perylene	50	44.5	ug/L	89	1			70 (13)	130 (195)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	42.2	ug/L	84	1			70 (70)	130 (130)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	46.8	ug/L	94	4			70 (70)	130 (130)	20 (20)
	1,4-Dioxane	50	36.9	ug/L	74	3			20 (70)	160 (130)	20 (20)

( ) = 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: PB168904BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2594

Lab File ID: BF143164.D | Lab Sample ID: PB168904BL

Instrument ID: BNA_F | Date Extracted: 07/17/2025

Matrix: (soil/water) Water | Date Analyzed: 07/18/2025

Level: (low/med) LOW | Time Analyzed: 13:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168904BS	PB168904BS	BF143162.D	07/18/2025
PB168904BSD	PB168904BSD	BF143163.D	07/18/2025
CC-071325-RW	Q2594-01	BF143166.D	07/18/2025

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.: Q2594

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.: Q2594

Lab File ID: BF143158.D DFTPP Injection Date: 07/18/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:55

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	6.9
365	Greater than 1% of mass 198	3.8
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 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143159.D	07/18/2025	11:24
PB168904BS	PB168904BS	BF143162.D	07/18/2025	12:53
PB168904BSD	PB168904BSD	BF143163.D	07/18/2025	13:22
PB168904BL	PB168904BL	BF143164.D	07/18/2025	13:52
CC-071325-RW	Q2594-01	BF143166.D	07/18/2025	14:54

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.: Q2594

Client ID : SSTDCCC040 Date Analyzed: 07/18/2025

Lab File ID: BF143159.D Time Analyzed: 11:24

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	158986	6.963	609943	8.25	308568	10.00
	UPPER LIMIT	317972	7.463	1219890	8.745	617136	10.498
	LOWER LIMIT	79493	6.463	304972	7.745	154284	9.498
	EPA SAMPLE NO.						
01	PB168904BS	140840	6.96	541427	8.25	282216	10.00
02	PB168904BSD	134233	6.96	524933	8.25	272308	10.00
03	PB168904BL	144227	6.96	555488	8.24	293300	10.00
04	CC-071325-RW	148923	6.96	563250	8.24	291129	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.: Q2594

Client ID: SSTDCCC040 Date Analyzed: 07/18/2025

Lab File ID: BF143159.D Time Analyzed: 11:24

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	484154	11.48	288972	14.121	331263	15.621
	UPPER LIMIT	968308	11.98	577944	14.621	662526	16.121
	LOWER LIMIT	242077	10.98	144486	13.621	165632	15.121
	EPA SAMPLE NO.						
01	PB168904BS	448321	11.48	250022	14.12	283255	15.62
02	PB168904BSD	443930	11.48	252328	14.12	280075	15.62
03	PB168904BL	504948	11.48	280403	14.12	285721	15.62
04	CC-071325-RW	471233	11.48	258976	14.12	303472	15.62

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2594
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	5.00	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2594
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2594
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	82.8		15 (60) - 110 (140)	83%	SPK: 100
13127-88-3	Phenol-d6	83.0		15 (60) - 110 (140)	83%	SPK: 100
4165-60-0	Nitrobenzene-d5	79.3		30 (60) - 130 (140)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.8		30 (60) - 130 (140)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.4		15 (60) - 110 (140)	69%	SPK: 100
1718-51-0	Terphenyl-d14	82.8		30 (60) - 130 (140)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.957			
1146-65-2	Naphthalene-d8	555000	8.239			
15067-26-2	Acenaphthene-d10	293000	9.998			
1517-22-2	Phenanthrene-d10	505000	11.48			
1719-03-5	Chrysene-d12	280000	14.116			
1520-96-3	Perylene-d12	286000	15.621			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown11.639	5.30	J		11.6	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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2594
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BS	SDG No.:	Q2594
Lab Sample ID:	PB168904BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	33.5		3.90	10.0	ug/L
108-95-2	Phenol	42.4		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.5		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	43.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.7		1.30	5.00	ug/L
98-86-2	Acetophenone	43.2		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.4		1.40	5.00	ug/L
67-72-1	Hexachloroethane	43.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.0		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.4		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.6		0.52	5.00	ug/L
91-20-3	Naphthalene	42.9		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.8		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.9		0.54	5.00	ug/L
105-60-2	Caprolactam	47.1		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.1		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	43.3		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	86.3	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	42.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.6		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	46.7		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.9		0.61	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BS	SDG No.:	Q2594
Lab Sample ID:	PB168904BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.2		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	29.4		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	90.5	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	89.2	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.6		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.7		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.4		0.68	5.00	ug/L
86-73-7	Fluorene	42.8		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	44.3		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.1		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.7		0.52	5.00	ug/L
1912-24-9	Atrazine	47.4		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	91.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.8		0.50	5.00	ug/L
120-12-7	Anthracene	43.8		0.61	5.00	ug/L
86-74-8	Carbazole	43.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.2		0.82	5.00	ug/L
129-00-0	Pyrene	44.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	47.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.1		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.2		0.45	5.00	ug/L
218-01-9	Chrysene	45.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	46.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.7		0.49	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BS	SDG No.:	Q2594
Lab Sample ID:	PB168904BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.6		0.52	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.1		0.72	5.00	ug/L
123-91-1	1,4-Dioxane	35.8		1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	79.6		15 (60) - 110 (140)	80%	SPK: 100
13127-88-3	Phenol-d6	80.9		15 (60) - 110 (140)	81%	SPK: 100
4165-60-0	Nitrobenzene-d5	80.0		30 (60) - 130 (140)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		30 (60) - 130 (140)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.6		15 (60) - 110 (140)	84%	SPK: 100
1718-51-0	Terphenyl-d14	78.8		30 (60) - 130 (140)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	6.963			
1146-65-2	Naphthalene-d8	541000	8.245			
15067-26-2	Acenaphthene-d10	282000	9.998			
1517-22-2	Phenanthrene-d10	448000	11.48			
1719-03-5	Chrysene-d12	250000	14.121			
1520-96-3	Perylene-d12	283000	15.621			

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2594
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	34.9		3.90	10.0	ug/L
108-95-2	Phenol	43.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.8		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	44.0		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.8		1.30	5.00	ug/L
98-86-2	Acetophenone	43.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.0		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.40	5.00	ug/L
67-72-1	Hexachloroethane	44.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.5		0.76	5.00	ug/L
78-59-1	Isophorone	44.0		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.4		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.2		0.52	5.00	ug/L
91-20-3	Naphthalene	43.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.6		0.54	5.00	ug/L
105-60-2	Caprolactam	48.3		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.0		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	43.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	87.5	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.1		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	47.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	45.0		0.61	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2594
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.5		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	29.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	93.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	92.8	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	43.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.7		0.68	5.00	ug/L
86-73-7	Fluorene	43.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.6		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		0.52	5.00	ug/L
1912-24-9	Atrazine	46.9		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	89.7	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.9		0.50	5.00	ug/L
120-12-7	Anthracene	43.1		0.61	5.00	ug/L
86-74-8	Carbazole	44.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	5.00	ug/L
129-00-0	Pyrene	43.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	47.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.0		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.4		0.45	5.00	ug/L
218-01-9	Chrysene	46.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.3		0.49	5.00	ug/L

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2594
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.4		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.5		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.5		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.2		0.52	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.8		0.72	5.00	ug/L
123-91-1	1,4-Dioxane	36.9		1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	81.3		15 (60) - 110 (140)	81%	SPK: 100
13127-88-3	Phenol-d6	82.2		15 (60) - 110 (140)	82%	SPK: 100
4165-60-0	Nitrobenzene-d5	80.7		30 (60) - 130 (140)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9		30 (60) - 130 (140)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.4		15 (60) - 110 (140)	83%	SPK: 100
1718-51-0	Terphenyl-d14	78.0		30 (60) - 130 (140)	78%	SPK: 100

INTERNAL STANDARDS			
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.963
1146-65-2	Naphthalene-d8	525000	8.245
15067-26-2	Acenaphthene-d10	272000	9.998
1517-22-2	Phenanthrene-d10	444000	11.481
1719-03-5	Chrysene-d12	252000	14.122
1520-96-3	Perylene-d12	280000	15.621

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.: Q2594

Instrument ID: BNA_F Calibration Date/Time: 07/18/2025 11:24

Lab File ID: BF143159.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
2-Fluorophenol	1.264	1.224		-3.2	
Benzaldehyde	1.193	1.315		10.2	
Phenol-d6	1.591	1.558		-2.1	
Phenol	1.733	1.713		-1.2	20.0
bis(2-Chloroethyl)ether	1.327	1.320		-0.5	
2-Chlorophenol	1.325	1.308		-1.3	
2-Methylphenol	1.114	1.090		-2.2	
2,2-oxybis(1-Chloropropane)	2.461	2.451		-0.4	
Acetophenone	0.474	0.456		-3.8	
3+4-Methylphenols	1.351	1.350		-0.1	
n-Nitroso-di-n-propylamine	1.021	0.986	0.050	-3.4	
Nitrobenzene-d5	0.401	0.411		2.5	
Hexachloroethane	0.502	0.499		-0.6	
Nitrobenzene	0.374	0.376		0.5	
Isophorone	0.708	0.694		-2.0	
2-Nitrophenol	0.162	0.167		3.1	20.0
2,4-Dimethylphenol	0.331	0.323		-2.4	
bis(2-Chloroethoxy)methane	0.425	0.413		-2.8	
2,4-Dichlorophenol	0.279	0.273		-2.2	20.0
Naphthalene	0.985	0.953		-3.2	
4-Chloroaniline	0.402	0.387		-3.7	
Hexachlorobutadiene	0.184	0.182		-1.1	20.0
Caprolactam	0.084	0.084		0.0	
4-Chloro-3-methylphenol	0.303	0.296		-2.3	20.0
2-Methylnaphthalene	0.599	0.575		-4.0	
Hexachlorocyclopentadiene	0.376	0.376	0.050	0.0	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.373		-6.1	
2,4,5-Trichlorophenol	0.400	0.398		-0.5	
1,1-Biphenyl	1.560	1.495		-4.2	
2-Chloronaphthalene	1.155	1.124		-2.7	
2-Nitroaniline	0.362	0.371		2.5	
Dimethylphthalate	1.304	1.253		-3.9	
Acenaphthylene	1.935	1.861		-3.8	
2,6-Dinitrotoluene	0.265	0.270		1.9	
3-Nitroaniline	0.310	0.306		-1.3	
Acenaphthene	1.144	1.092		-4.5	20.0
2,4-Dinitrophenol	0.098	0.102	0.050	4.1	
4-Nitrophenol	0.232	0.221	0.050	-4.7	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2594

Instrument ID: BNA_F Calibration Date/Time: 07/18/2025 11:24

Lab File ID: BF143159.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
Dibenzofuran	1.698	1.630		-4.0	
2,4-Dinitrotoluene	0.333	0.335		0.6	
Diethylphthalate	1.289	1.253		-2.8	
4-Chlorophenyl-phenylether	0.635	0.598		-5.8	
Fluorene	1.274	1.203		-5.6	
4-Nitroaniline	0.266	0.261		-1.9	
4,6-Dinitro-2-methylphenol	0.094	0.097		3.2	
n-Nitrosodiphenylamine	0.704	0.686		-2.6	20.0
2,4,6-Tribromophenol	0.207	0.198		-4.3	
4-Bromophenyl-phenylether	0.238	0.236		-0.8	
Hexachlorobenzene	0.249	0.243		-2.4	
Atrazine	0.194	0.194		0.0	
Pentachlorophenol	0.147	0.151		2.7	20.0
Phenanthrene	1.062	1.008		-5.1	
Anthracene	1.083	1.044		-3.6	
Carbazole	0.946	0.911		-3.7	
Di-n-butylphthalate	1.070	1.053		-1.6	
Fluoranthene	0.975	0.946		-3.0	20.0
Pyrene	1.707	1.562		-8.5	
Terphenyl-d14	1.344	1.220		-9.2	
Butylbenzylphthalate	0.523	0.515		-1.5	
3,3-Dichlorobenzidine	0.446	0.437		-2.0	
Benzo(a)anthracene	1.339	1.282		-4.3	
Chrysene	1.204	1.187		-1.4	
Bis(2-ethylhexyl)phthalate	0.791	0.789		-0.3	
Di-n-octyl phthalate	1.434	1.381		-3.7	20.0
Benzo(b)fluoranthene	1.222	1.169		-4.3	
Benzo(k)fluoranthene	1.090	1.072		-1.7	
Benzo(a)pyrene	1.126	1.108		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.396		-1.0	
Dibenzo(a,h)anthracene	1.148	1.145		-0.3	
Benzo(g,h,i)perylene	1.110	1.112		0.2	
1,2,4,5-Tetrachlorobenzene	0.577	0.563		-2.4	
1,4-Dioxane	0.598	0.597		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.324		-2.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Time: Jul 18 15:29:26 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

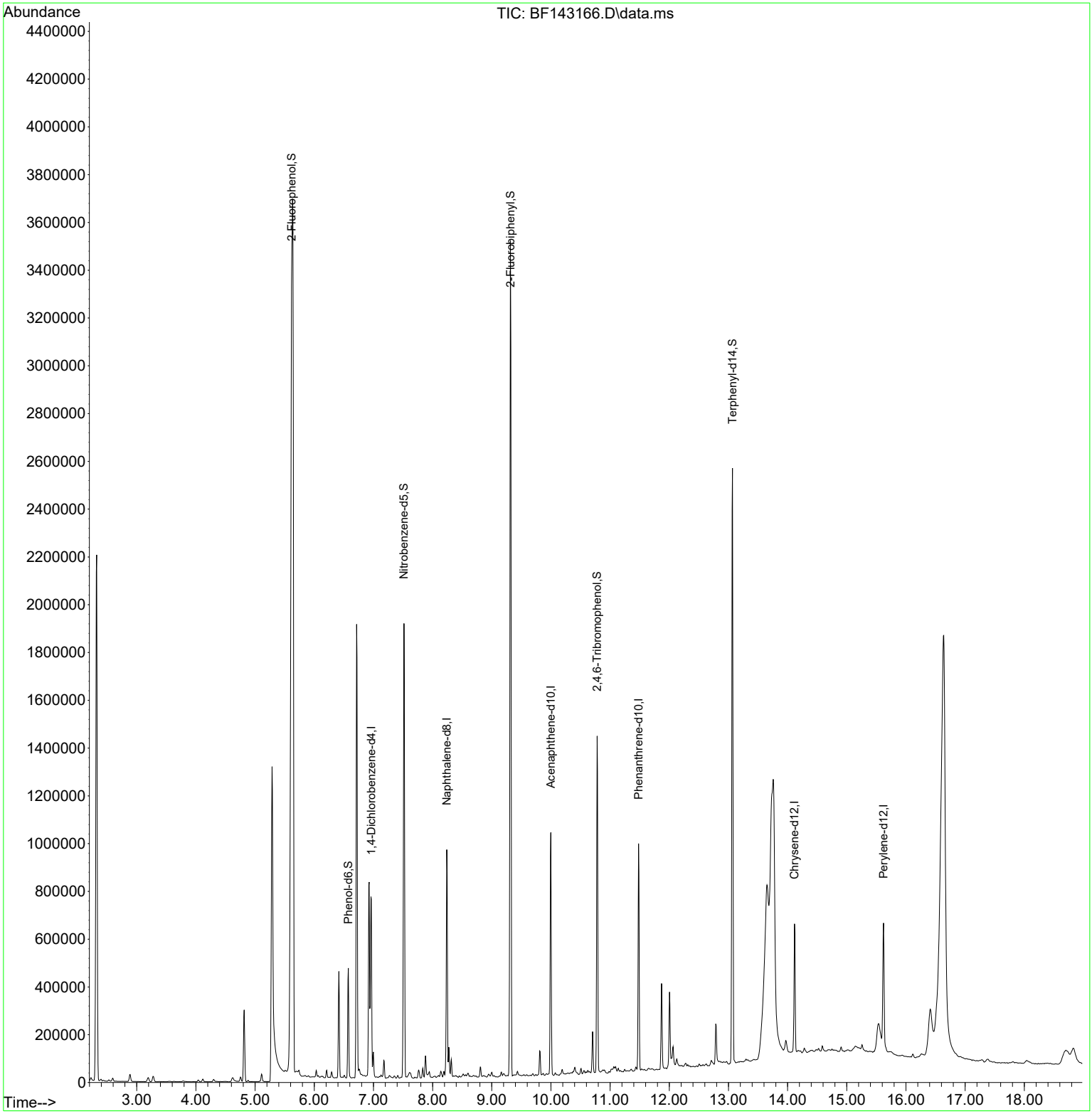
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	148923	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	563250	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	291129	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	471233	20.000	ng	0.00
76) Chrysene-d12	14.116	240	258976	20.000	ng	0.00
86) Perylene-d12	15.621	264	303472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	201931	21.457	ng	0.03
7) Phenol-d6	6.575	99	191889	16.200	ng	-0.01
23) Nitrobenzene-d5	7.516	82	864066	76.469	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	241269	80.222	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1545436	72.599	ng	0.00
79) Terphenyl-d14	13.069	244	1248495	71.740	ng	0.00
Target Compounds						Qvalue

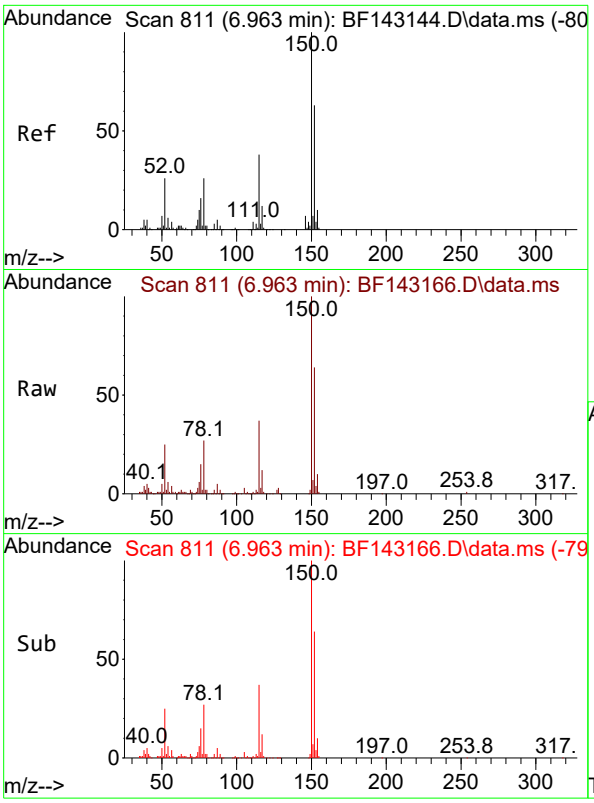
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Time: Jul 18 15:29:26 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



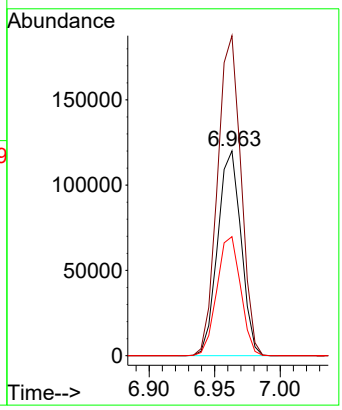


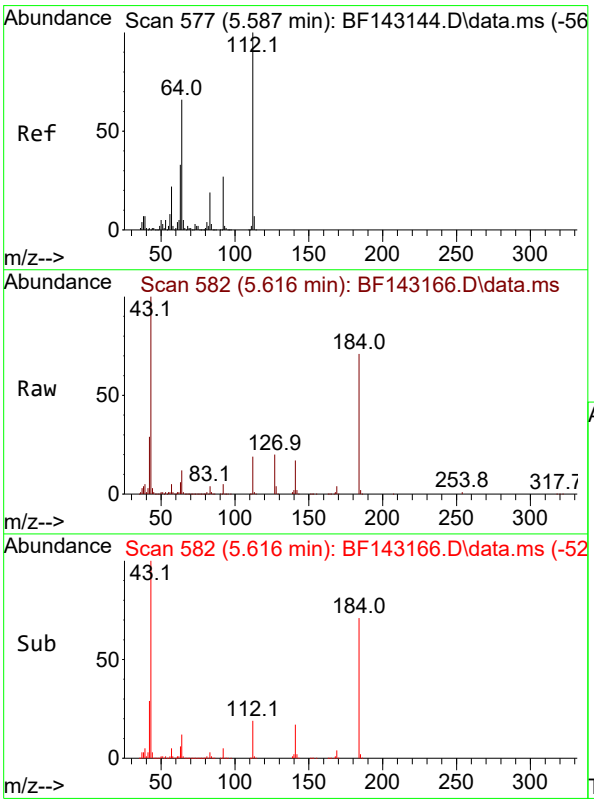
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion:152 Resp: 148923

Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.2	192.4
115	58.1	47.9	71.9

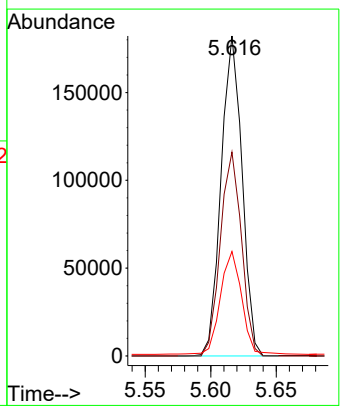


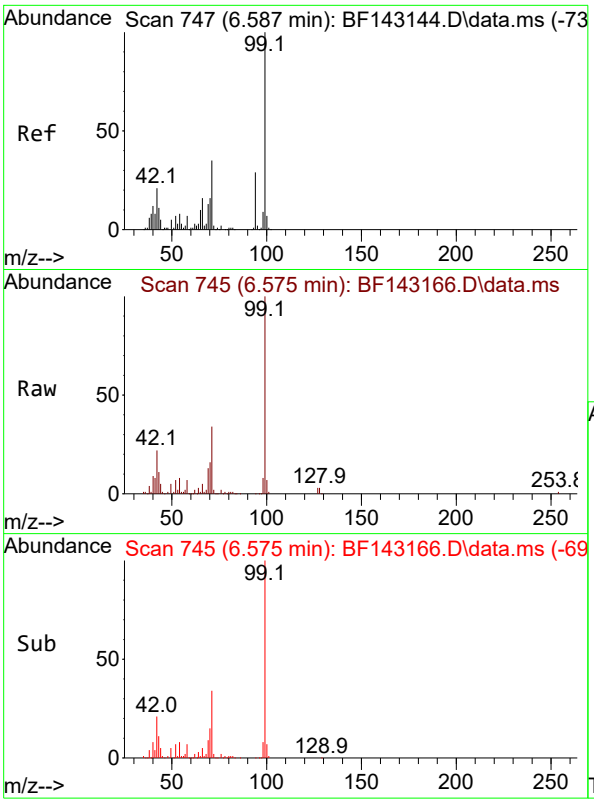


#5
2-Fluorophenol
Concen: 21.457 ng
RT: 5.616 min Scan# 582
Delta R.T. 0.029 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:112 Resp: 201931

Ion	Ratio	Lower	Upper
112	100		
64	63.7	53.1	79.7
63	32.7	26.6	40.0



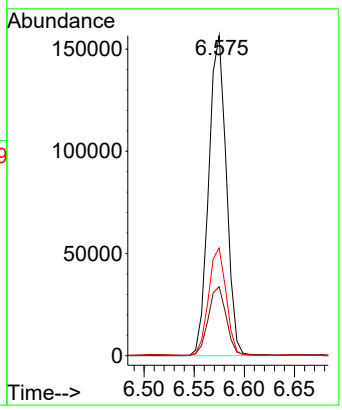


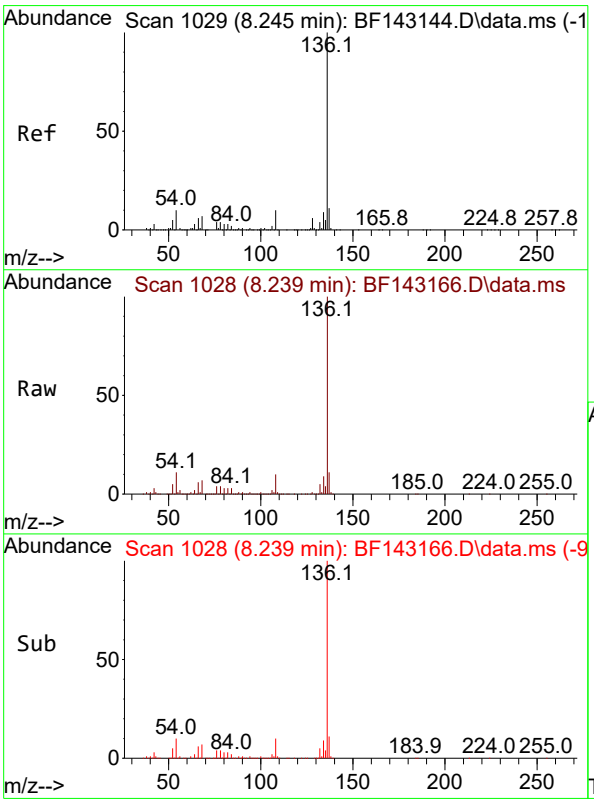
#7
Phenol-d6
Concen: 16.200 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion: 99 Resp: 191889

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.6
71	33.6	27.7	41.5

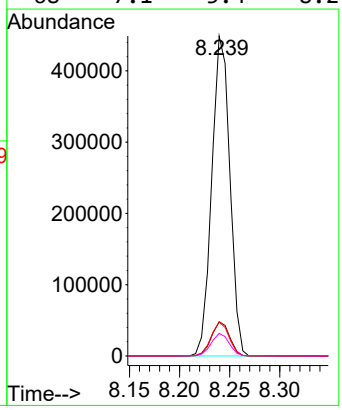


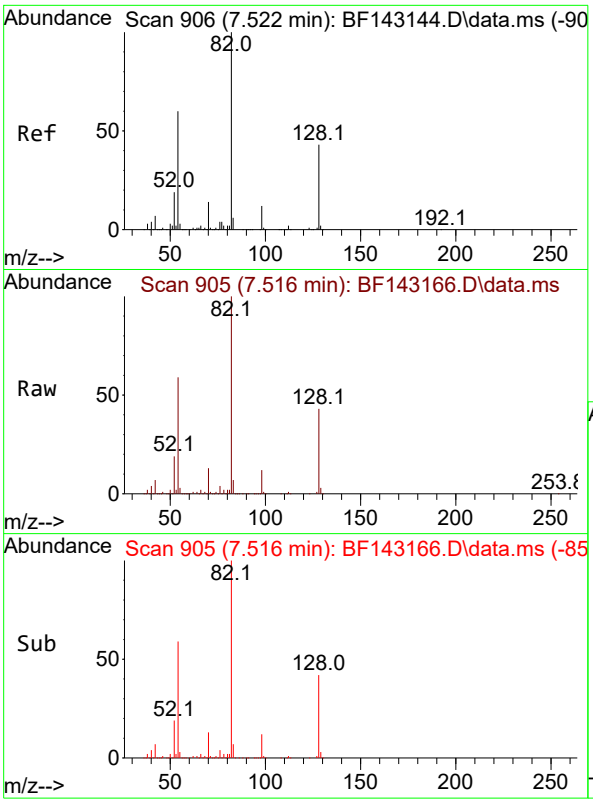


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:136 Resp: 563250

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.5	8.2	12.2
68	7.1	5.4	8.2



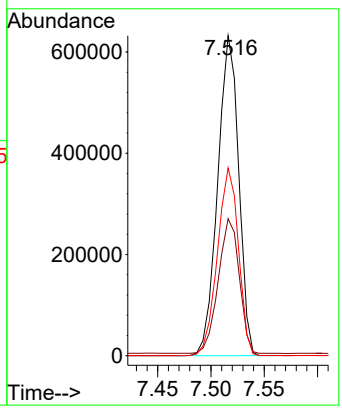


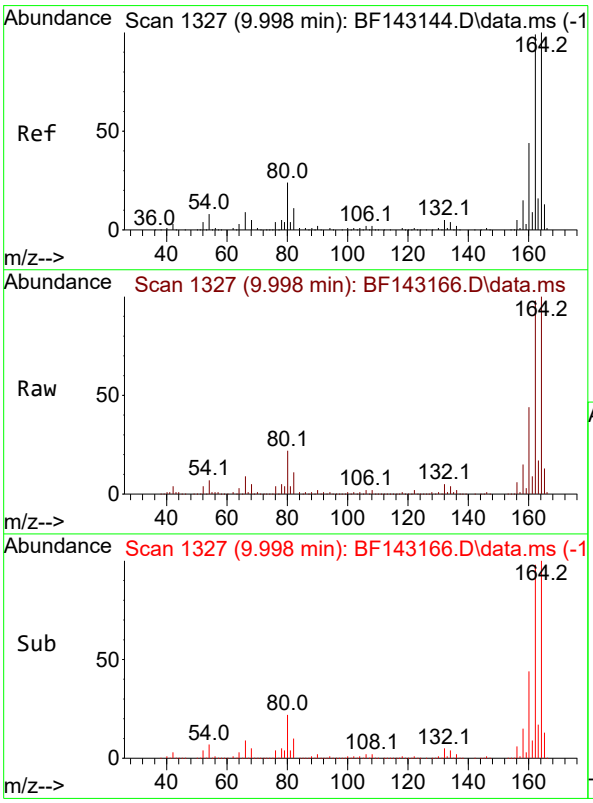
#23
Nitrobenzene-d5
Concen: 76.469 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion: 82 Resp: 864066

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	58.7	47.1	70.7

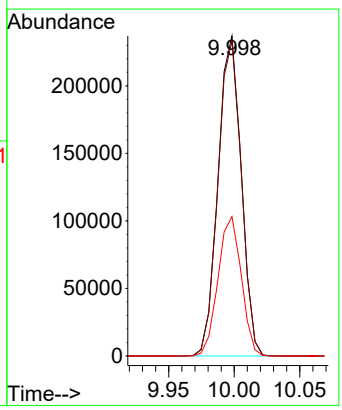


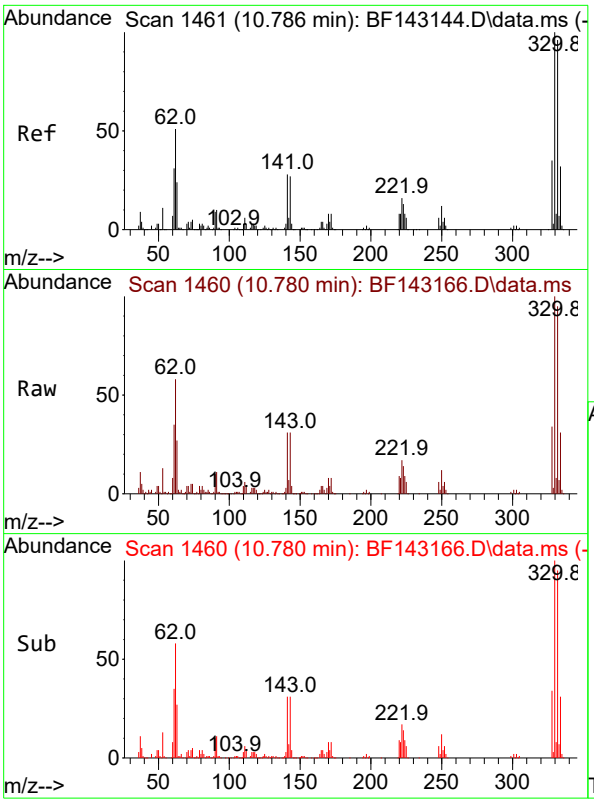


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:164 Resp: 291129

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.0	118.6
160	43.5	35.1	52.7



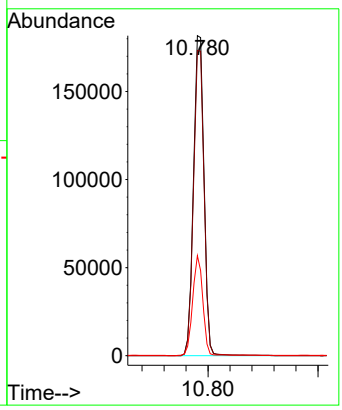


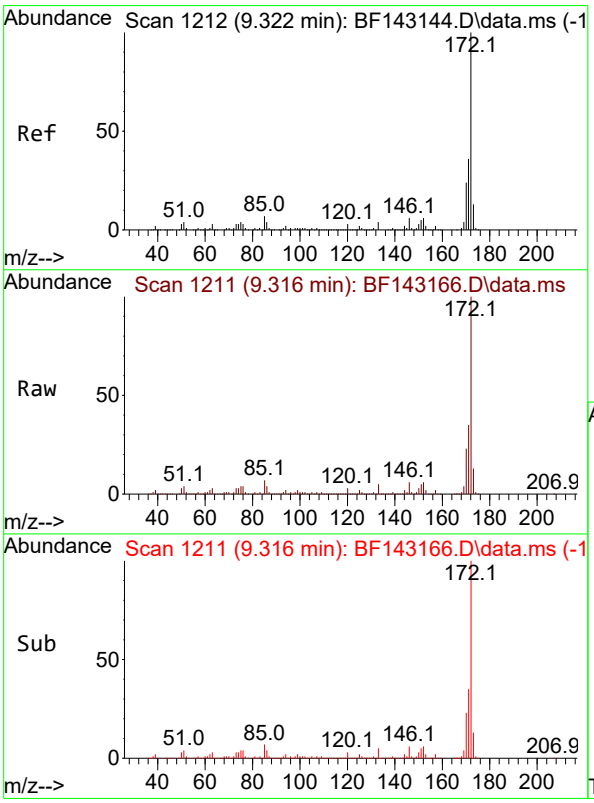
#42
2,4,6-Tribromophenol
Concen: 80.222 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion:330 Resp: 241269

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.7	115.1
141	30.2	23.3	34.9

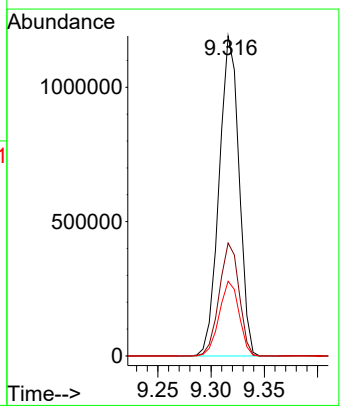


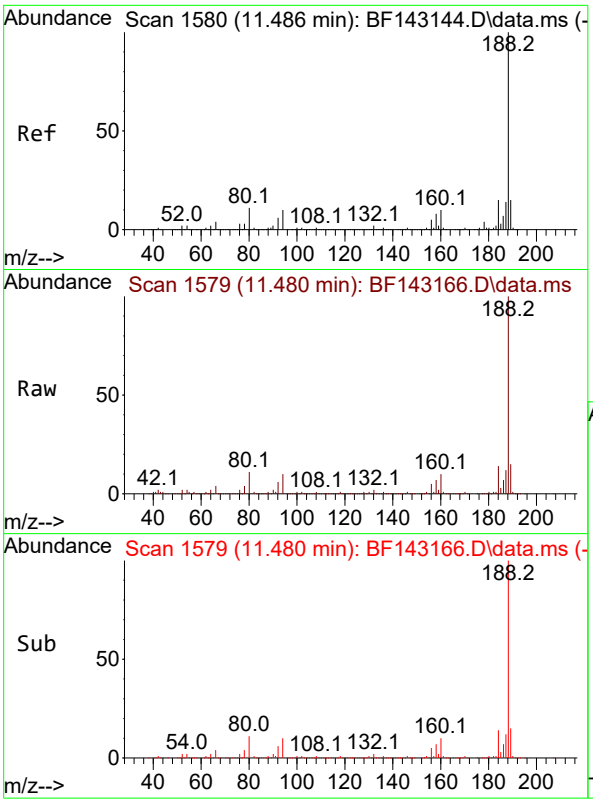


#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:172 Resp: 1545436

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.3	18.8	28.2



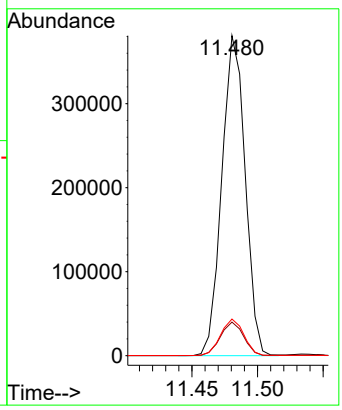


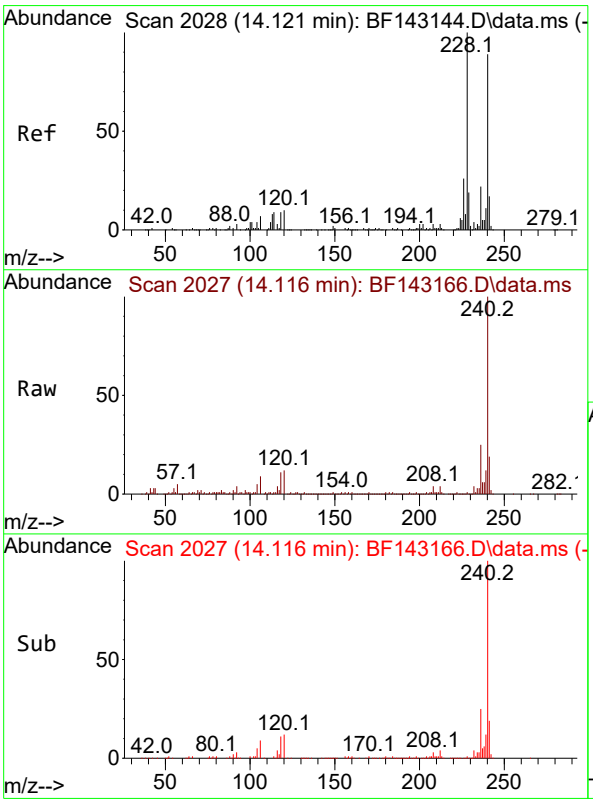
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion:188 Resp: 471233

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.5	9.0	13.6

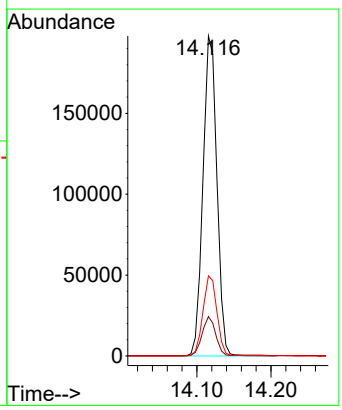


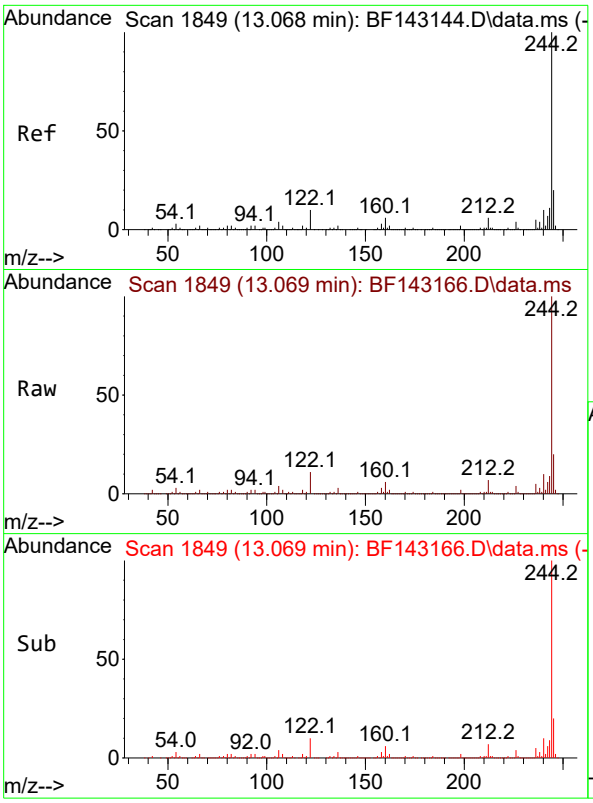


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:240 Resp: 258976

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.4	14.2
236	25.1	20.2	30.4



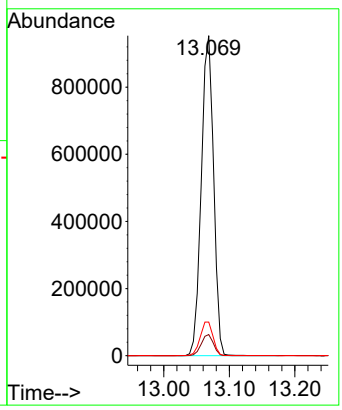


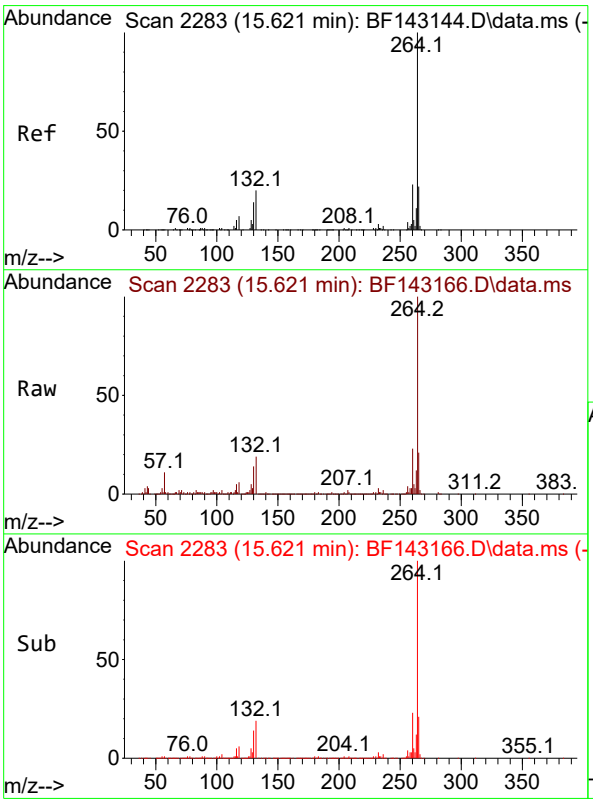
#79
Terphenyl-d14
Concen: 71.740 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Tgt Ion:244 Resp: 1248495

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.5	8.2	12.2

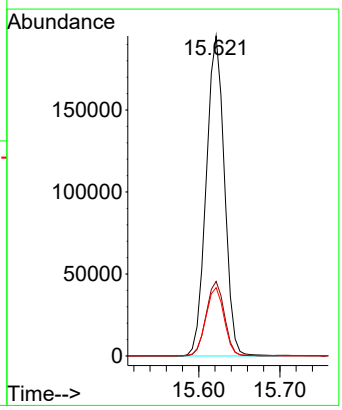




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143166.D
Acq: 18 Jul 2025 14:54

Tgt Ion:264 Resp: 303472

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.4	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143166.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.322	14	22	30	rVB	2200445	3574309	33.07%	5.663%
2	4.816	440	446	452	rVB	299975	415962	3.85%	0.659%
3	5.287	519	526	561	rBV	1318073	3347940	30.98%	5.305%
4	5.634	570	585	591	rVB2	3654456	10807966	100.00%	17.125%
5	6.416	713	718	723	rBV	444426	550512	5.09%	0.872%
6	6.575	740	745	754	rVB	459744	571887	5.29%	0.906%
7	6.716	763	769	774	rBV	1899399	2531919	23.43%	4.012%
8	6.928	799	805	807	rBV	810328	1089694	10.08%	1.727%
9	6.957	807	810	814	rVV	751517	1046436	9.68%	1.658%
10	6.998	814	817	824	rVB	105131	128813	1.19%	0.204%
11	7.516	898	905	910	rBV	1899919	2605158	24.10%	4.128%
12	7.881	963	967	973	rBV	88283	118737	1.10%	0.188%
13	8.239	1022	1028	1032	rBV	942965	1243971	11.51%	1.971%
14	8.275	1032	1034	1038	rVV	119378	132967	1.23%	0.211%
15	9.316	1205	1211	1216	rVB	3497450	4530186	41.92%	7.178%
16	9.810	1291	1295	1300	rVB	100377	124939	1.16%	0.198%
17	9.998	1322	1327	1332	rVB	1012826	1256147	11.62%	1.990%
18	10.704	1442	1447	1453	rBV	171786	220074	2.04%	0.349%
19	10.780	1455	1460	1469	rBV	1407944	1815375	16.80%	2.876%
20	11.480	1574	1579	1585	rVB	948169	1183096	10.95%	1.875%
21	11.869	1640	1645	1653	rBV	360206	464623	4.30%	0.736%
22	12.004	1663	1668	1673	rBV	309893	427778	3.96%	0.678%
23	12.063	1675	1678	1684	rVV2	80299	118179	1.09%	0.187%
24	12.786	1797	1801	1810	rBV	168706	256458	2.37%	0.406%
25	13.069	1843	1849	1854	rBV	2490281	3297849	30.51%	5.225%
26	13.651	1926	1948	1953	rBV3	696639	3485554	32.25%	5.523%
27	13.757	1956	1966	1995	rVB2	1134947	5700424	52.74%	9.032%
28	14.116	2022	2027	2034	rVB	535016	709187	6.56%	1.124%
29	15.621	2278	2283	2295	rVB	539788	907932	8.40%	1.439%
30	16.410	2410	2417	2427	rBV3	122058	427294	3.95%	0.677%
31	16.639	2438	2456	2500	rVB	1763955	10022165	92.73%	15.880%

Sum of corrected areas: 63113531

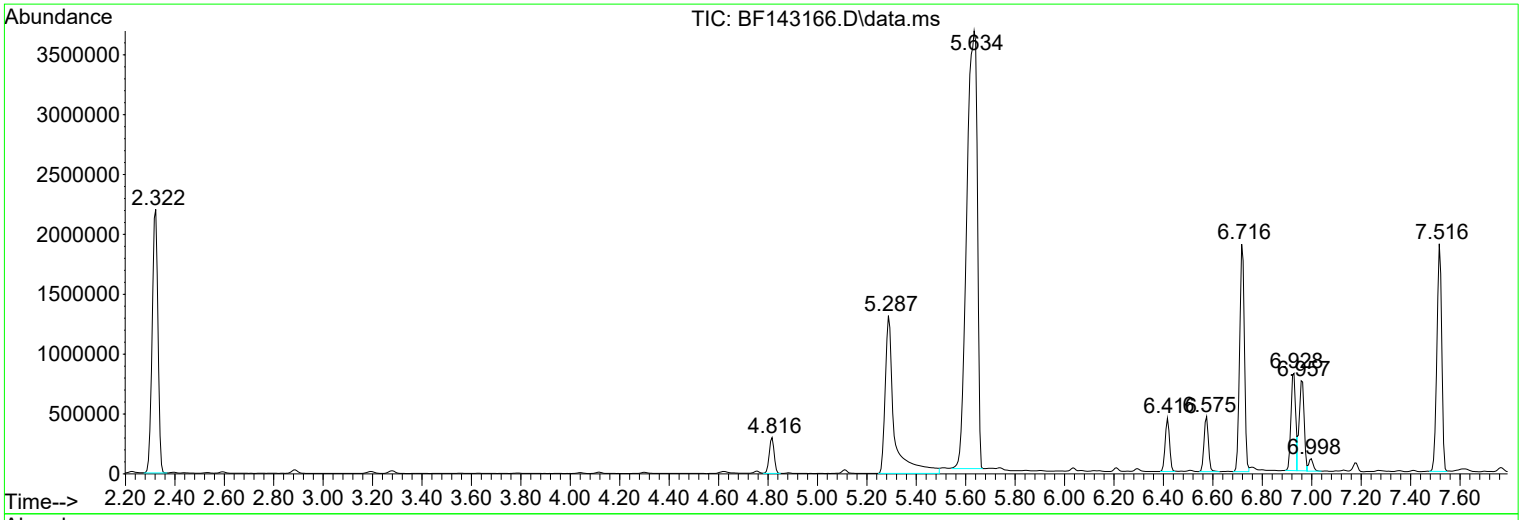
Sample Results: **BF143166.D**

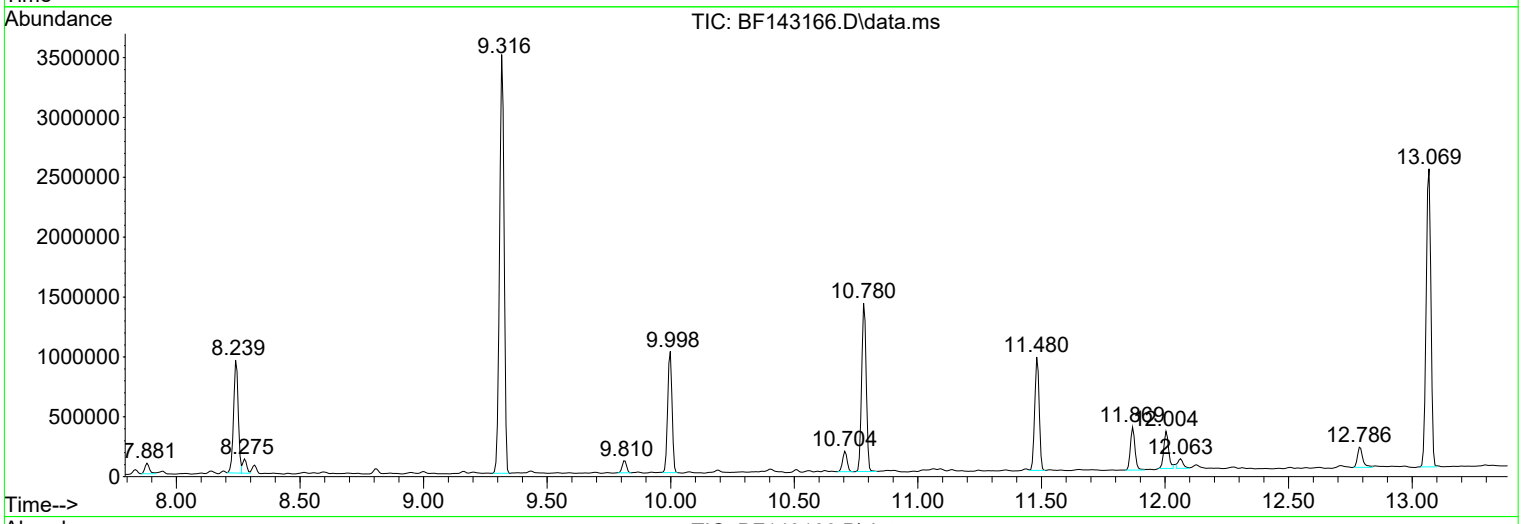
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

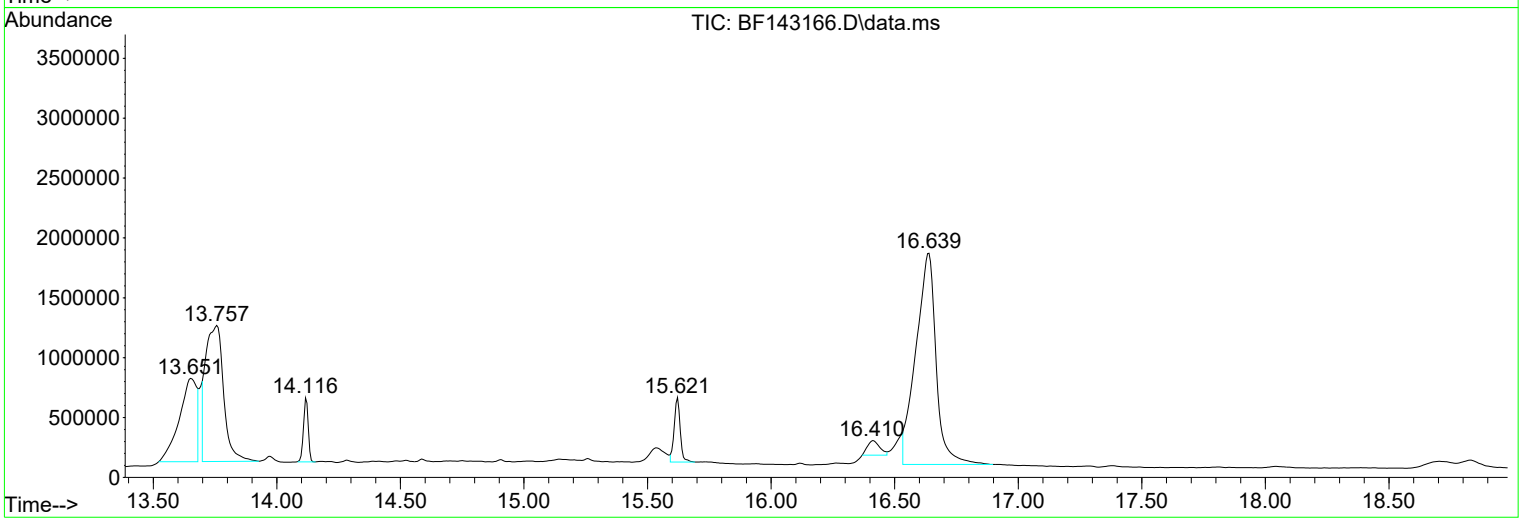
Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

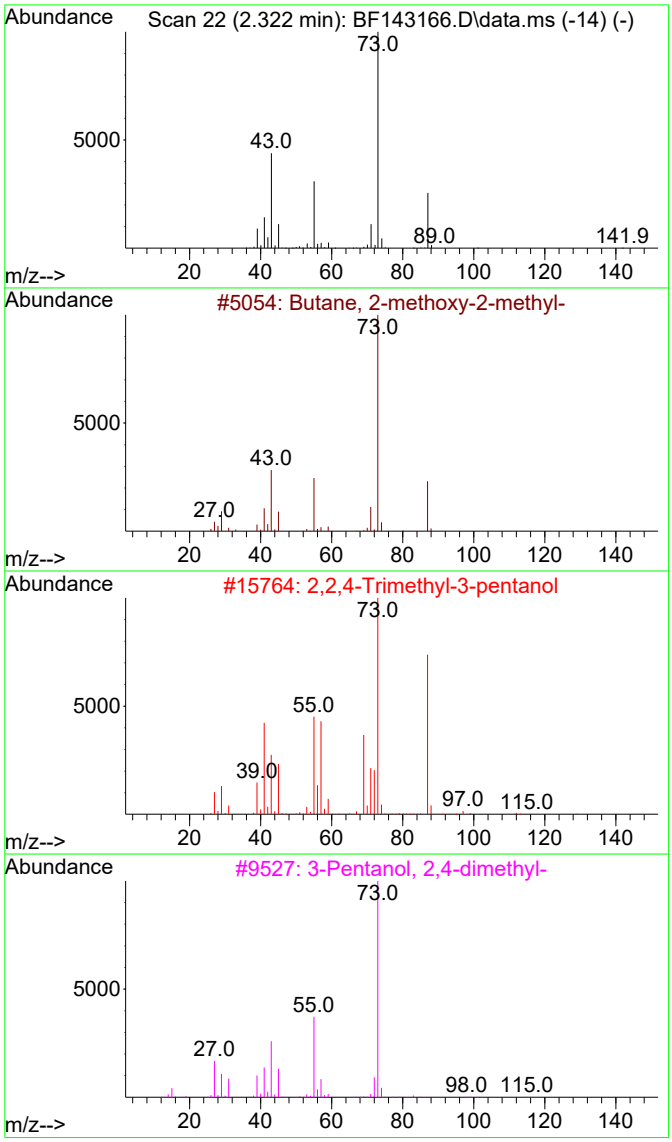
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

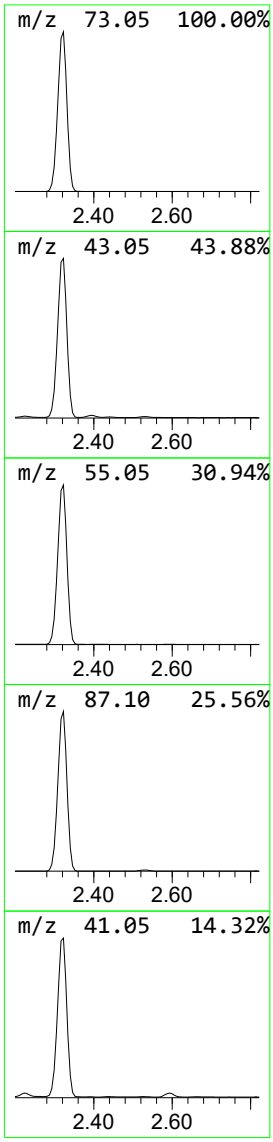
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.322	68.31 ng	3574310	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

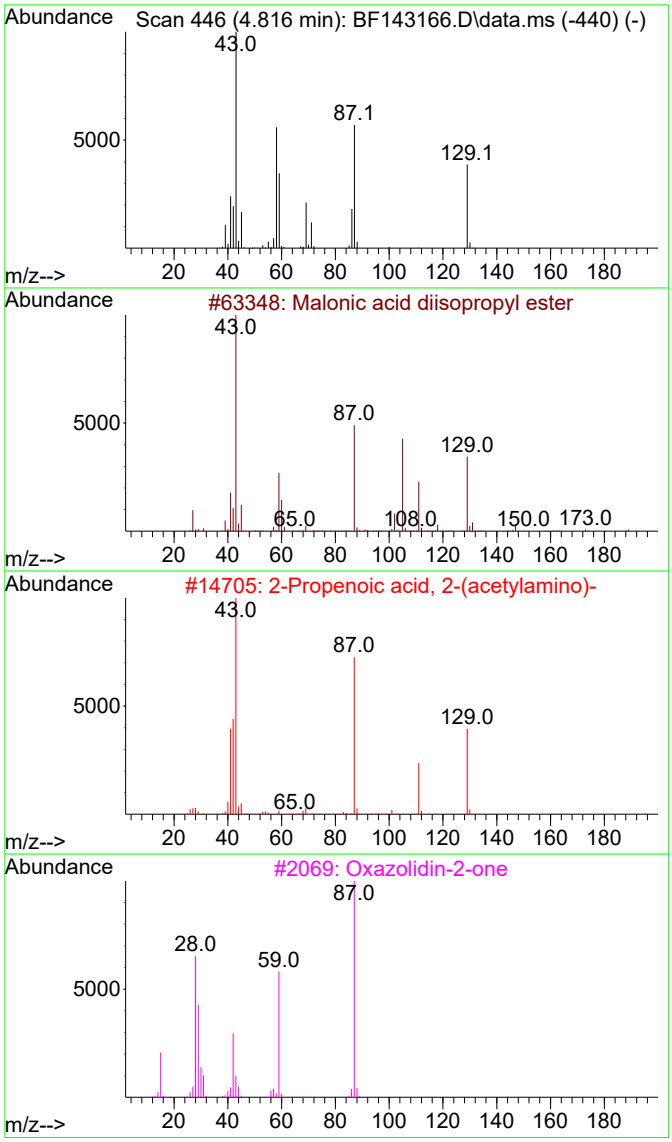
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

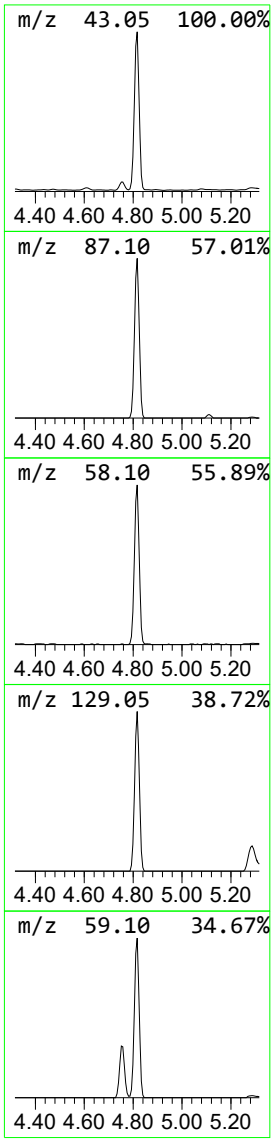
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Malonic acid diisopropyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.816	7.95 ng	415962	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malonic acid diisopropyl ester	188	C9H16O4	013195-64-7	50
2	2-Propenoic acid, 2-(acetylamino)-	129	C5H7NO3	005429-56-1	32
3	Oxazolidin-2-one	87	C3H5NO2	000497-25-6	30
4	Methylamine, N,N-dimethyl-	59	C3H9N	000075-50-3	30
5	Oxirane, 2,3-diethyl-	100	C6H12O	004468-66-0	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

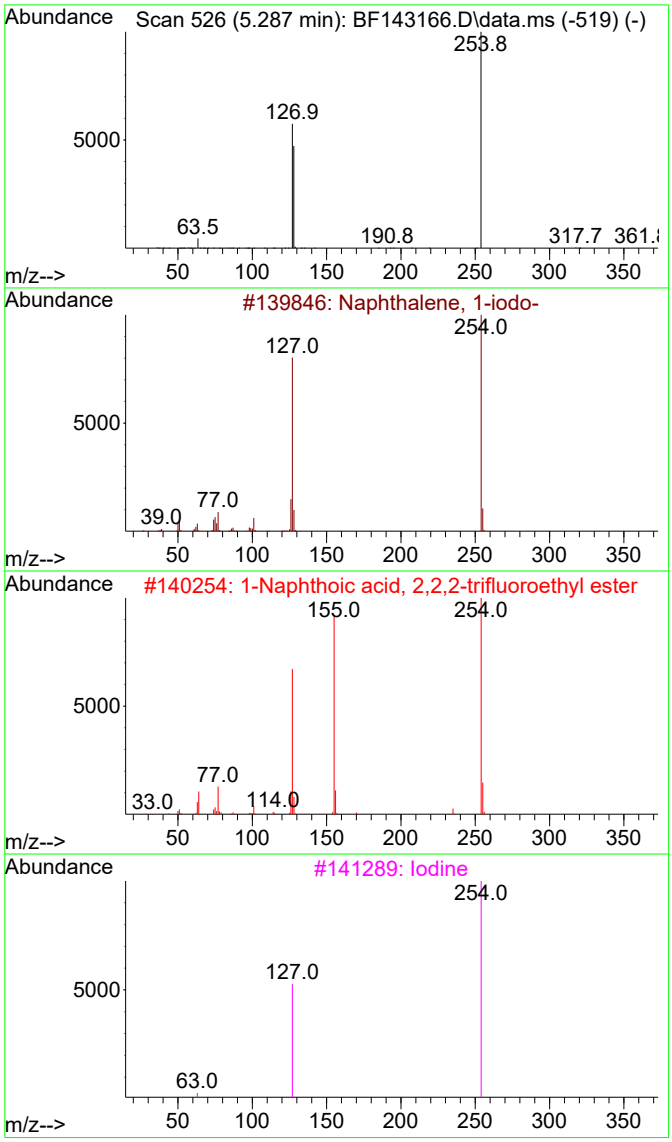
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

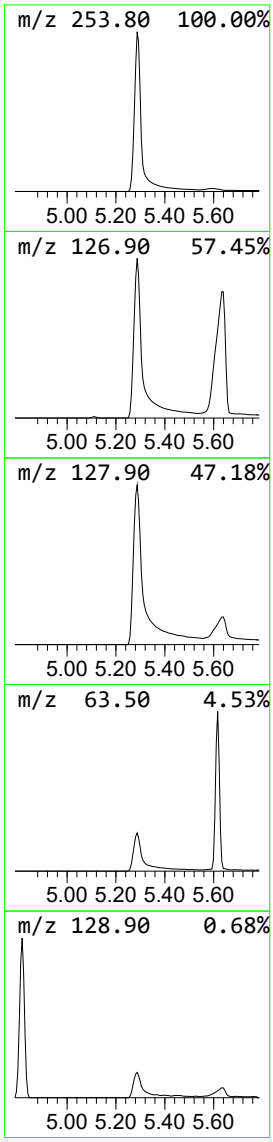
****

Peak Number 3 unknown5.287 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.287	63.99 ng	3347940	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-iodo-	254	C10H7I	000090-14-2	9
2	1-Naphthoic acid, 2,2,2-trifluor...	254	C13H9F3O2	1000325-54-4	9
3	Iodine	254	I2	007553-56-2	9
4	5-Chloro-3-iodo-2-pyridinylamine	254	C5H4ClIN2	211308-81-5	7
5	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	5





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

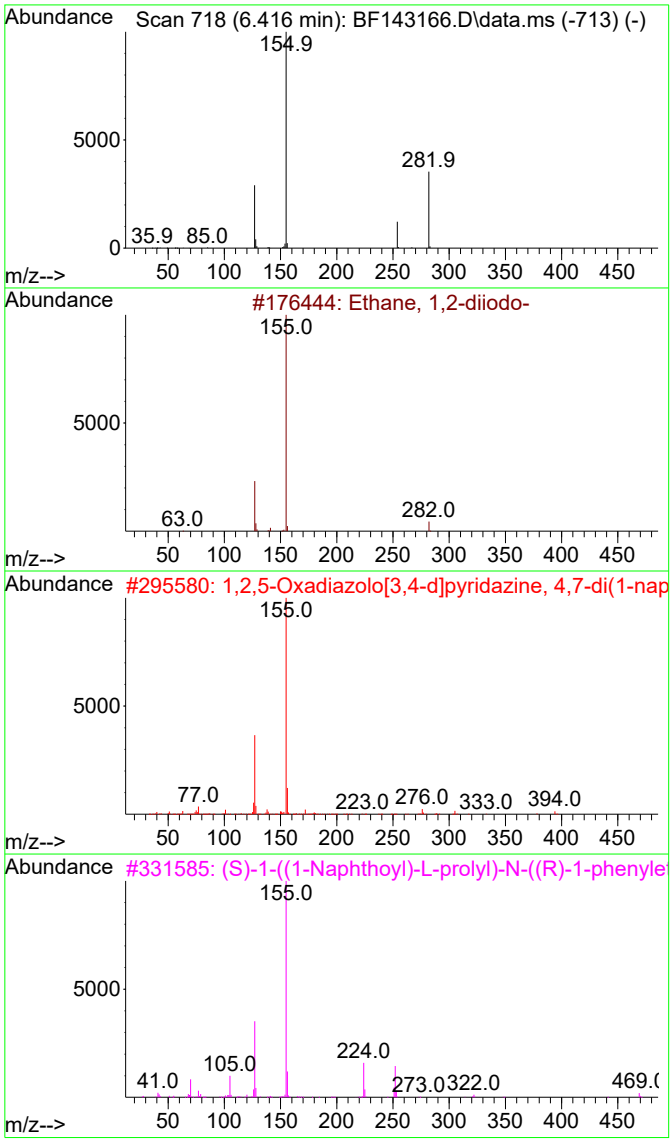
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

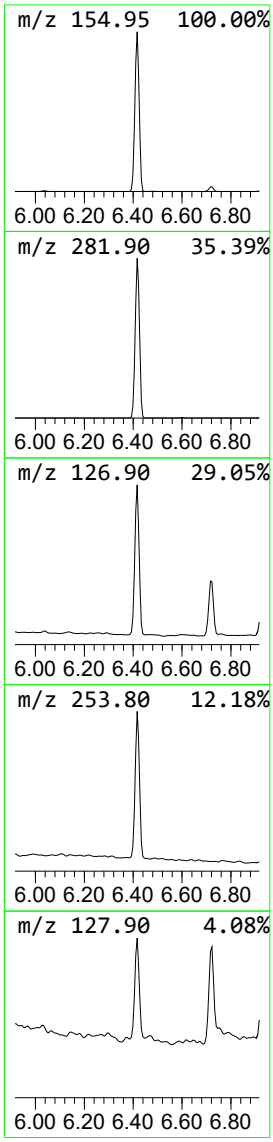
****

Peak Number 4 Ethane, 1,2-diiodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.416	10.52 ng	550512	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-diiodo-	282	C2H4I2	000624-73-7	72
2	1,2,5-Oxadiazolo[3,4-d]pyridazin...	390	C24H14N4O2	1000276-89-8	9
3	(S)-1-((1-Naphthoyl)-L-prolyl)-N...	469	C29H31N3O3	1000483-34-9	9
4	2-Chloro-4-fluorobenzonitrile	155	C7H3ClFN	060702-69-4	7
5	2-Chloro-6-fluorobenzonitrile	155	C7H3ClFN	000668-45-1	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

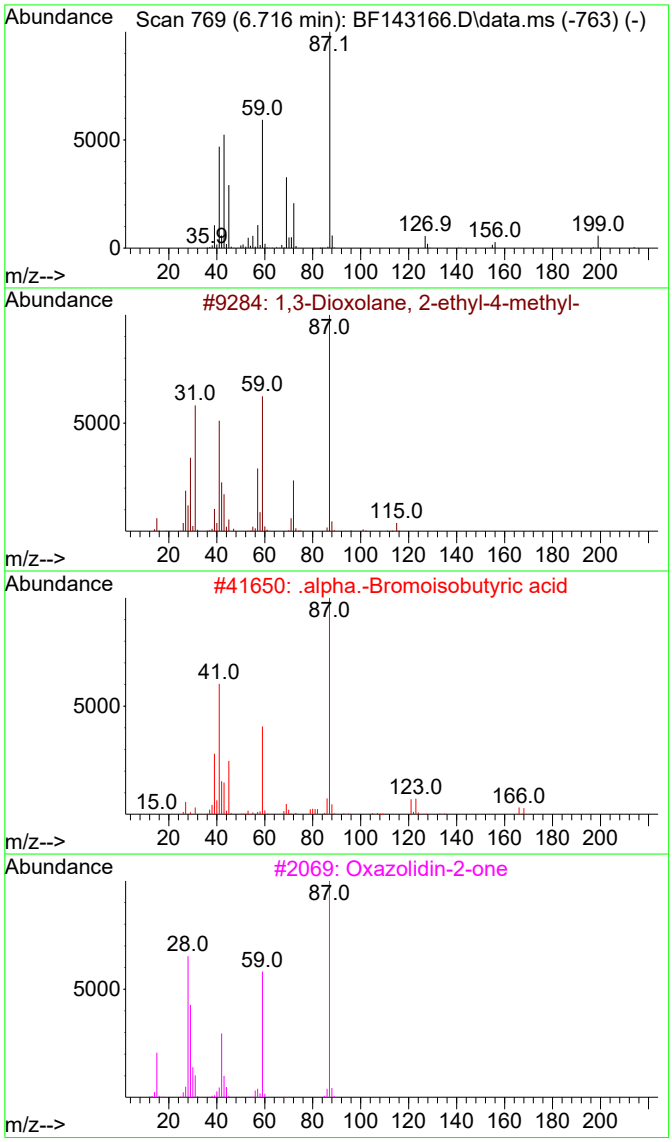
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

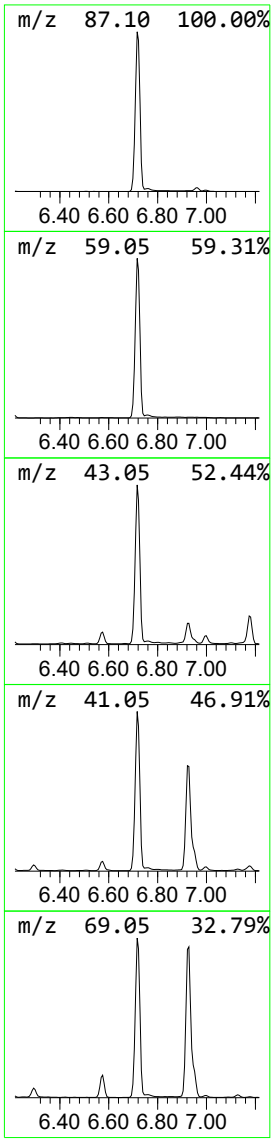
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,3-Dioxolane, 2-ethyl-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.716	48.39 ng	2531920	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-ethyl-4-methyl-	116	C6H12O2	004359-46-0	59
2	.alpha.-Bromoisobutyric acid	166	C4H7BrO2	002052-01-9	59
3	Oxazolidin-2-one	87	C3H5NO2	000497-25-6	52
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	49
5	N,N-Dimethylacetamide	87	C4H9NO	000127-19-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

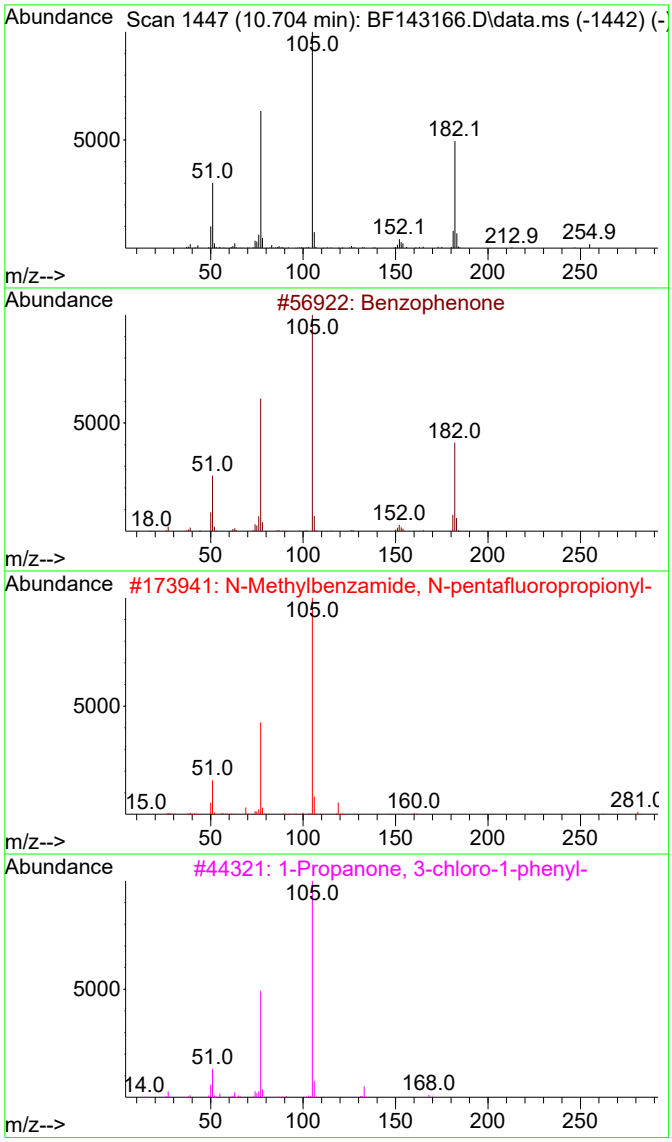
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

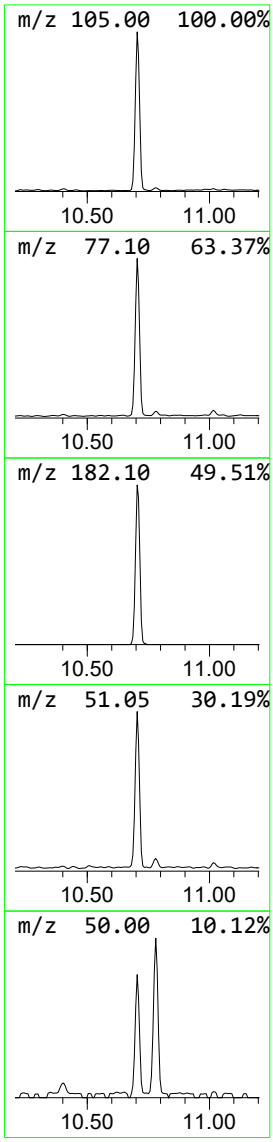
****

Peak Number 6 Benzophenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.50 ng	220074	Acenaphthene-d10	9.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	50
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
4	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50
5	Benzoylformic acid	150	C8H6O3	000611-73-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

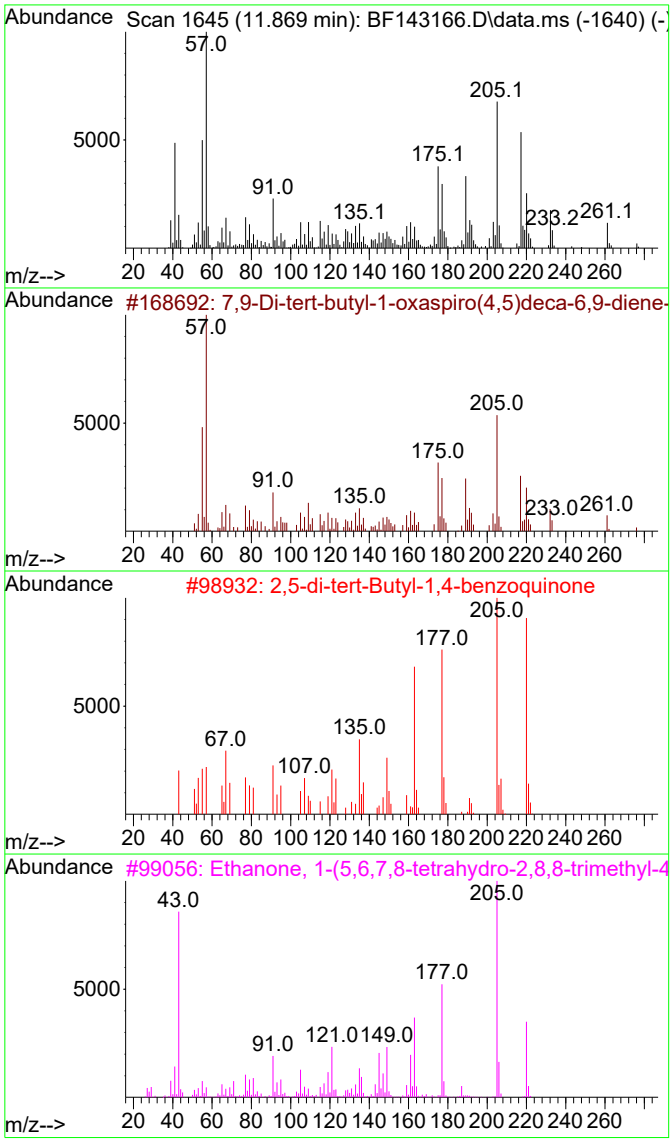
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

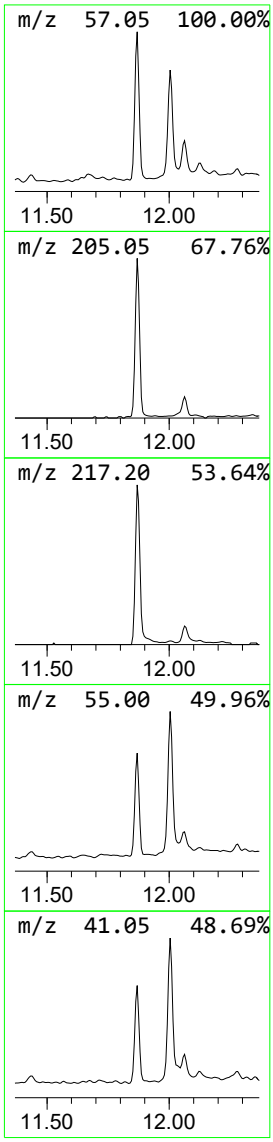
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	7.85 ng	464623	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	60
3	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	46
4	2-Phenazinecarbonitrile	205	C13H7N3	006479-93-2	40
5	(1R,3aR,5aR,9aS)-1,4,4,7-Tetrame...	220	C15H24O	104188-25-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

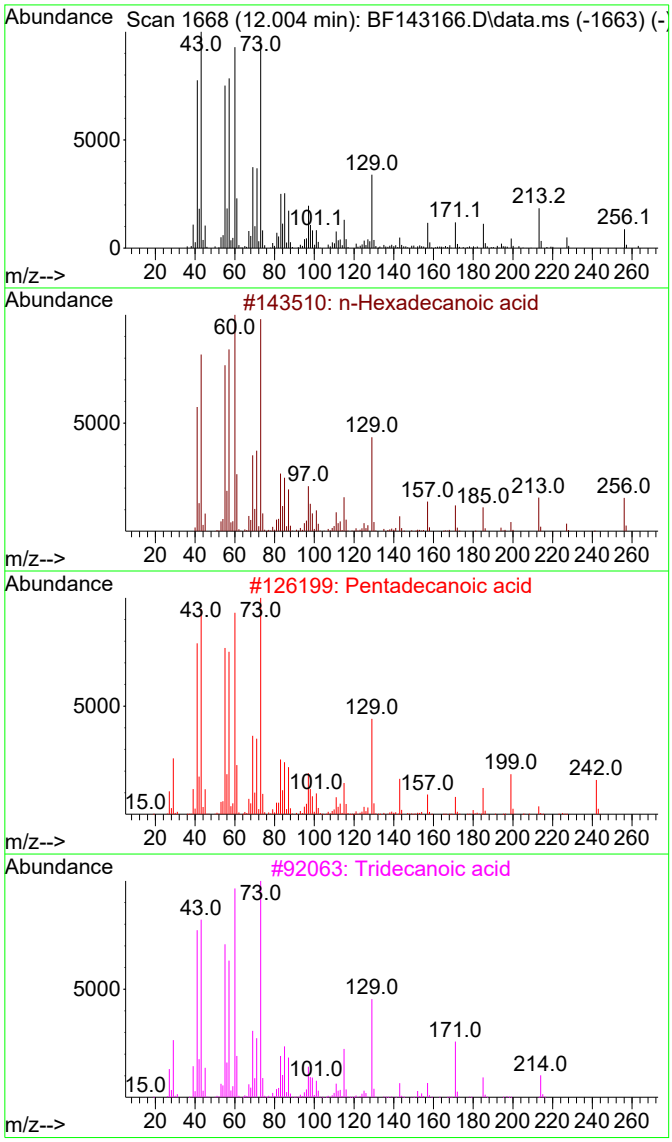
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

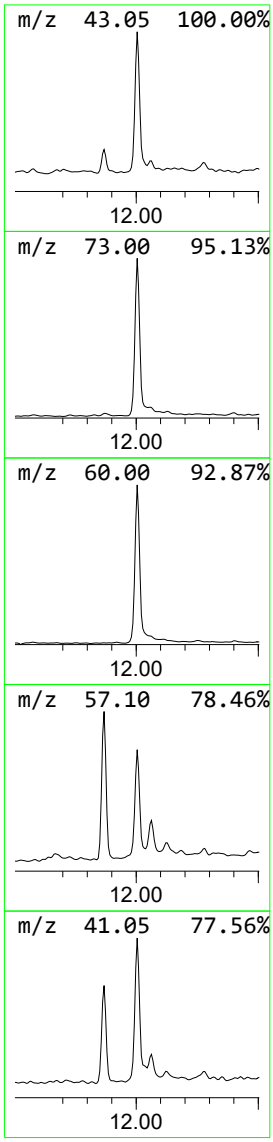
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	7.23 ng	427778	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

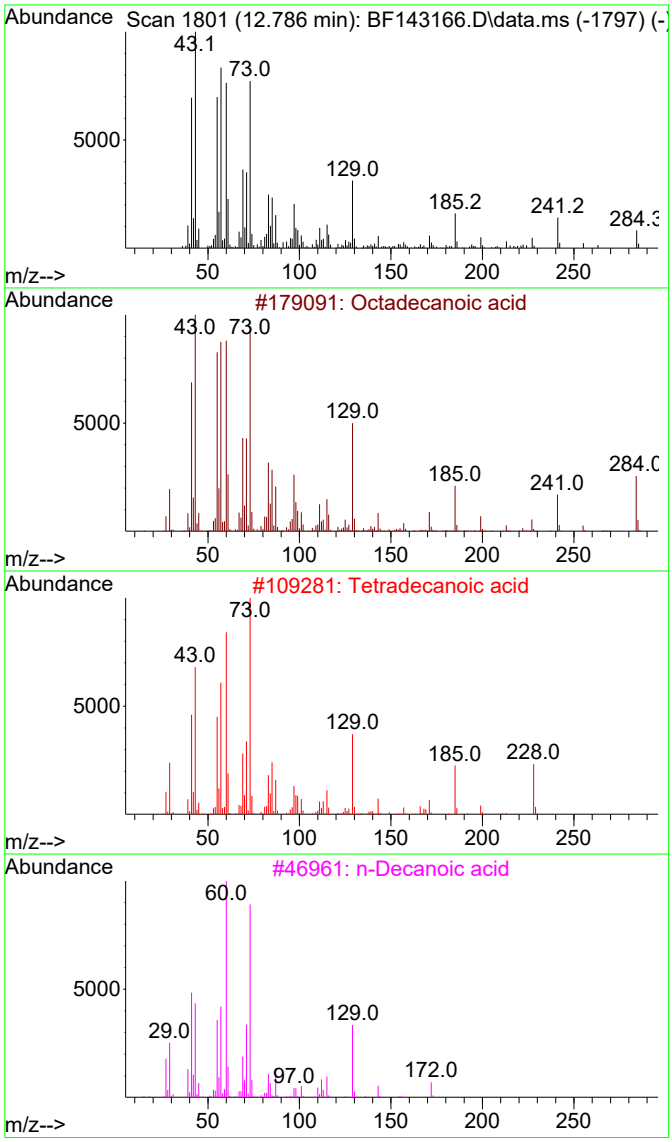
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

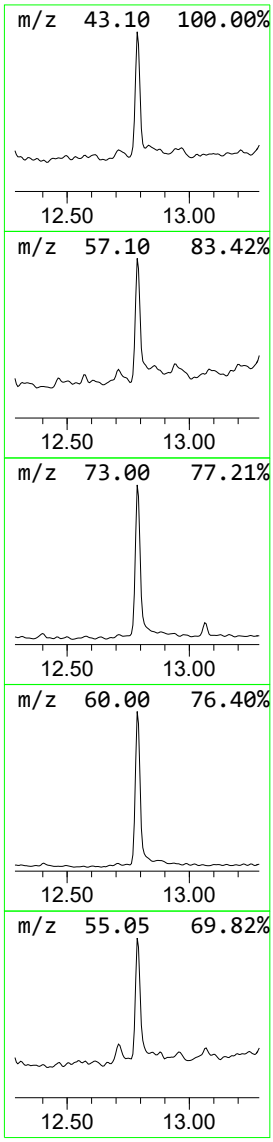
****

Peak Number 9 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	4.34 ng	256458	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	n-Decanoic acid	172	C10H20O2	000334-48-5	60
4	Nonanoic acid	158	C9H18O2	000112-05-0	46
5	Octanoic acid	144	C8H16O2	000124-07-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

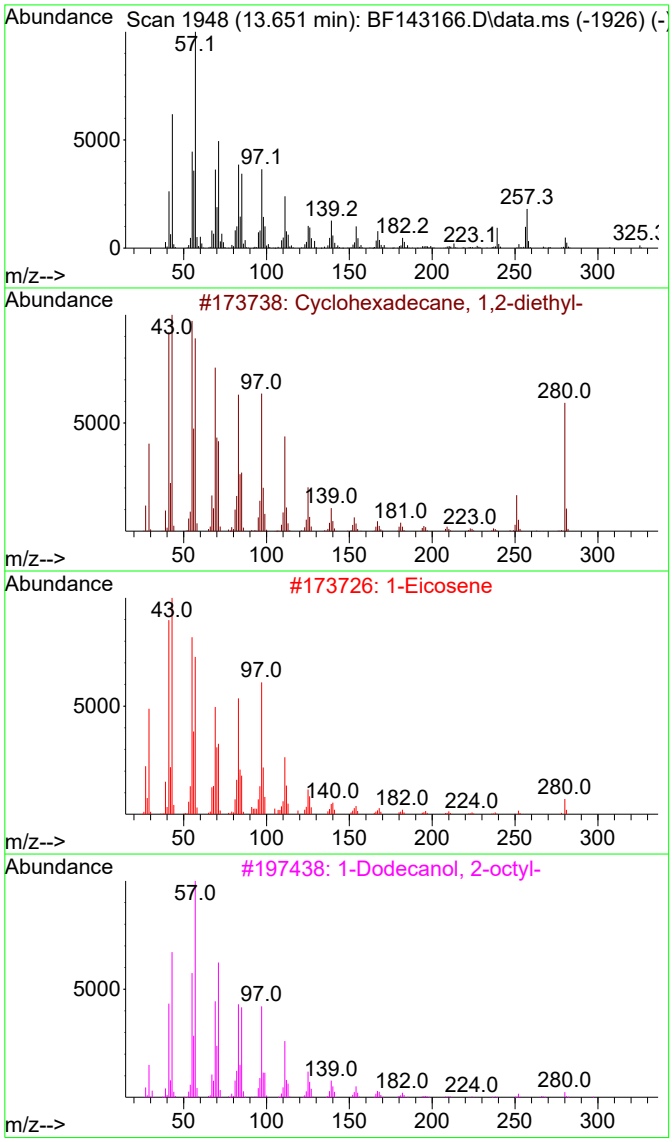
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

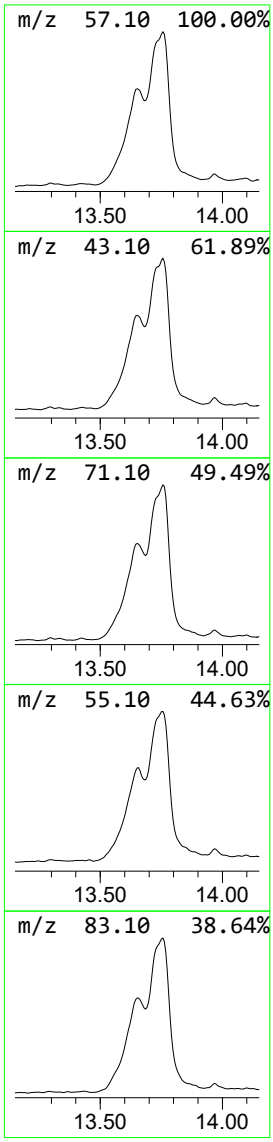
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexadecane, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	98.30 ng	3485550	Chrysene-d12	14.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	90
2	1-Eicosene	280	C20H40	003452-07-1	87
3	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	81
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	76
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

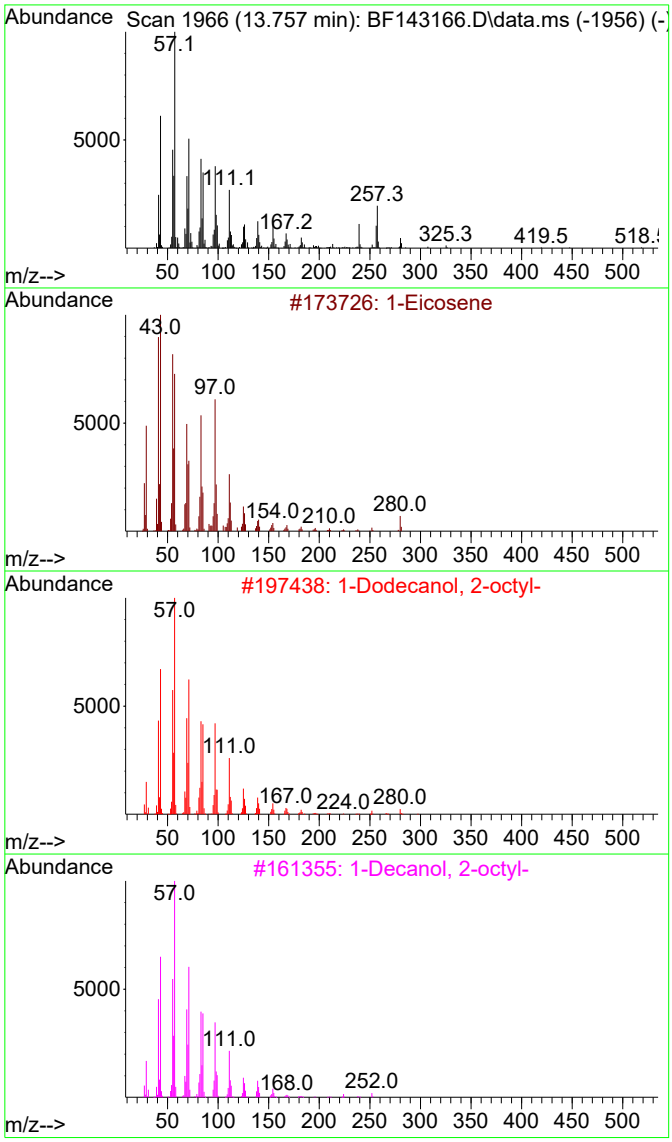
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

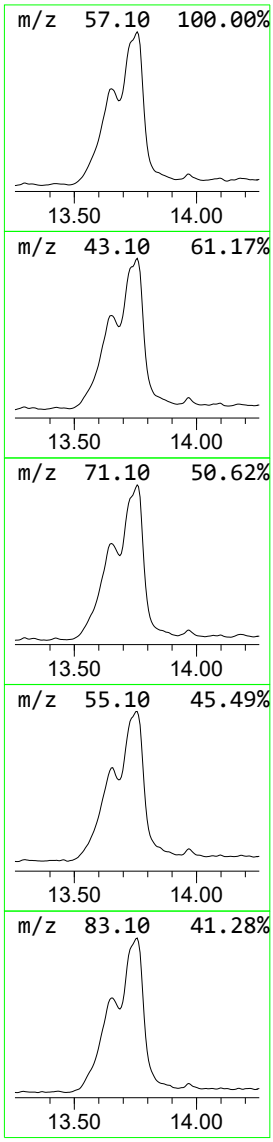
****

Peak Number 11 1-Eicosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	160.76 ng	5700420	Chrysene-d12	14.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	87
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	76
3	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	70
4	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	68
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

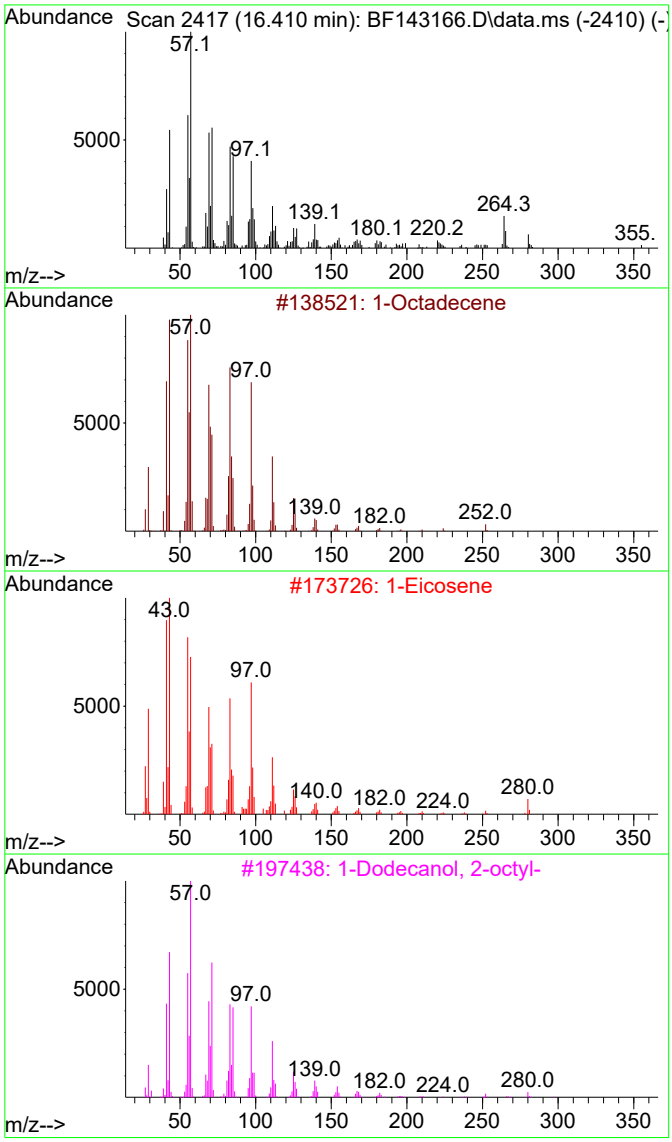
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

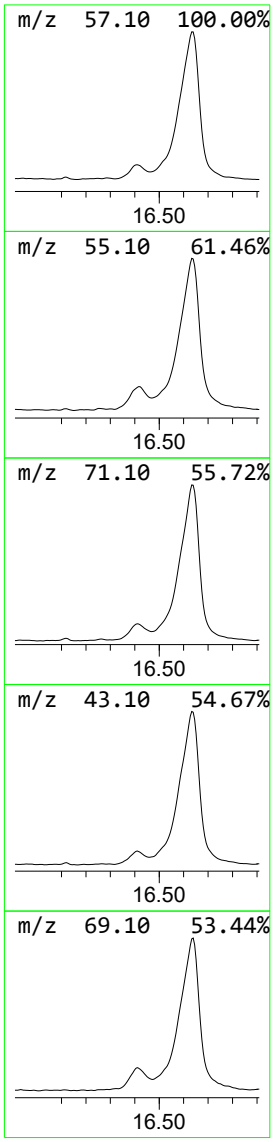
****

Peak Number 12 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.410	9.41 ng	427294	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	86
2	1-Eicosene	280	C20H40	003452-07-1	83
3	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	81
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68
5	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

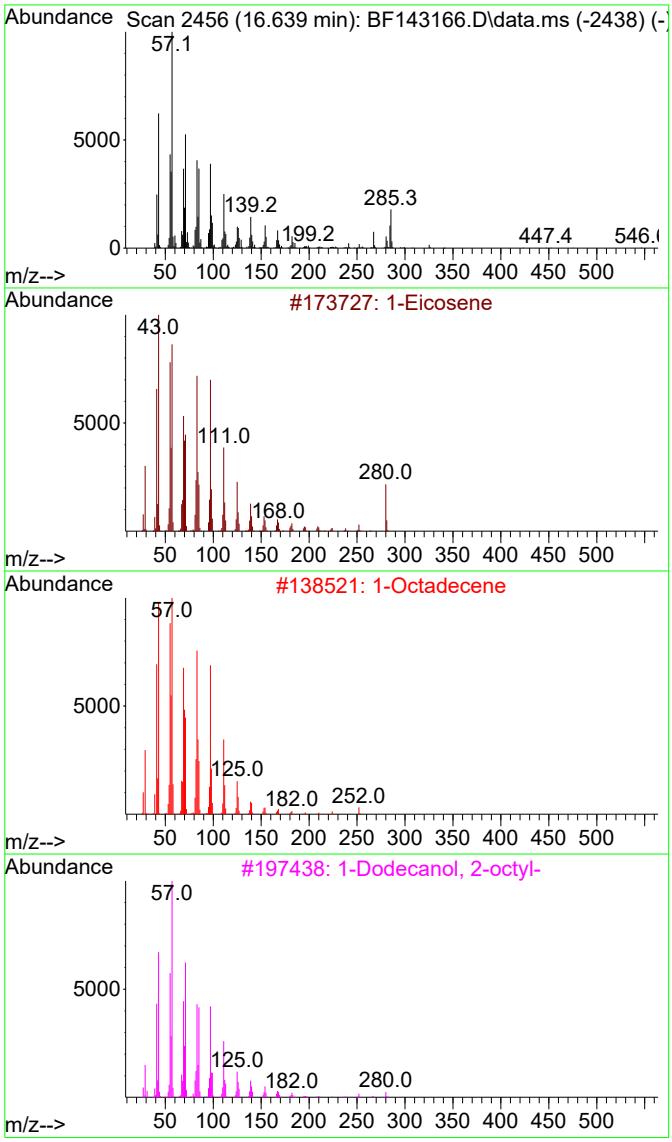
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

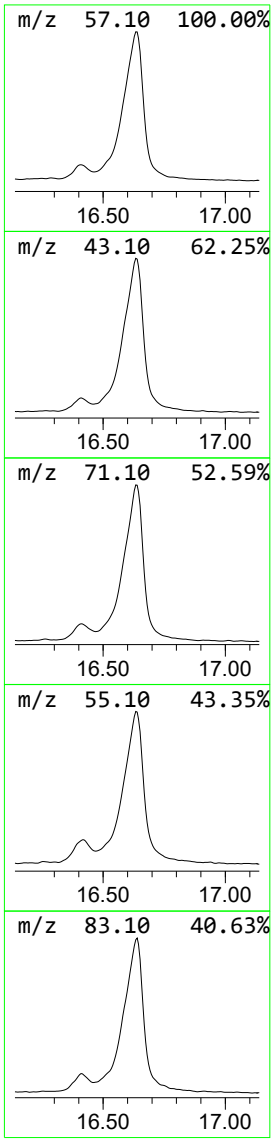
****

Peak Number 13 1-Dodecanol, 2-octyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	220.77 ng	10022200	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	90
2	1-Octadecene	252	C18H36	000112-88-9	87
3	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	87
4	2-Octyldodecyl isobutyrate	368	C24H48O2	1000368-55-5	87
5	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143166.D
Acq On : 18 Jul 2025 14:54
Operator : RC/JU
Sample : Q2594-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-071325-RW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.322	68.3	ng	3574310	1	6.963	1046440	20.0
Malonic acid di...	4.816	8.0	ng	415962	1	6.963	1046440	20.0
unknown5.287	5.287	64.0	ng	3347940	1	6.963	1046440	20.0
Ethane, 1,2-dii...	6.416	10.5	ng	550512	1	6.963	1046440	20.0
1,3-Dioxolane, ...	6.716	48.4	ng	2531920	1	6.963	1046440	20.0
Benzophenone	10.704	3.5	ng	220074	3	9.998	1256150	20.0
7,9-Di-tert-but...	11.869	7.8	ng	464623	4	11.480	1183100	20.0
n-Hexadecanoic ...	12.004	7.2	ng	427778	4	11.480	1183100	20.0
Octadecanoic acid	12.786	4.3	ng	256458	4	11.480	1183100	20.0
Cyclohexadecane...	13.651	98.3	ng	3485550	5	14.116	709187	20.0
1-Eicosene	13.757	160.8	ng	5700420	5	14.116	709187	20.0
1-Octadecene	16.410	9.4	ng	427294	6	15.621	907932	20.0
1-Dodecanol, 2-...	16.639	220.8	ng	10022200	6	15.621	907932	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Time: Jul 18 14:13:27 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

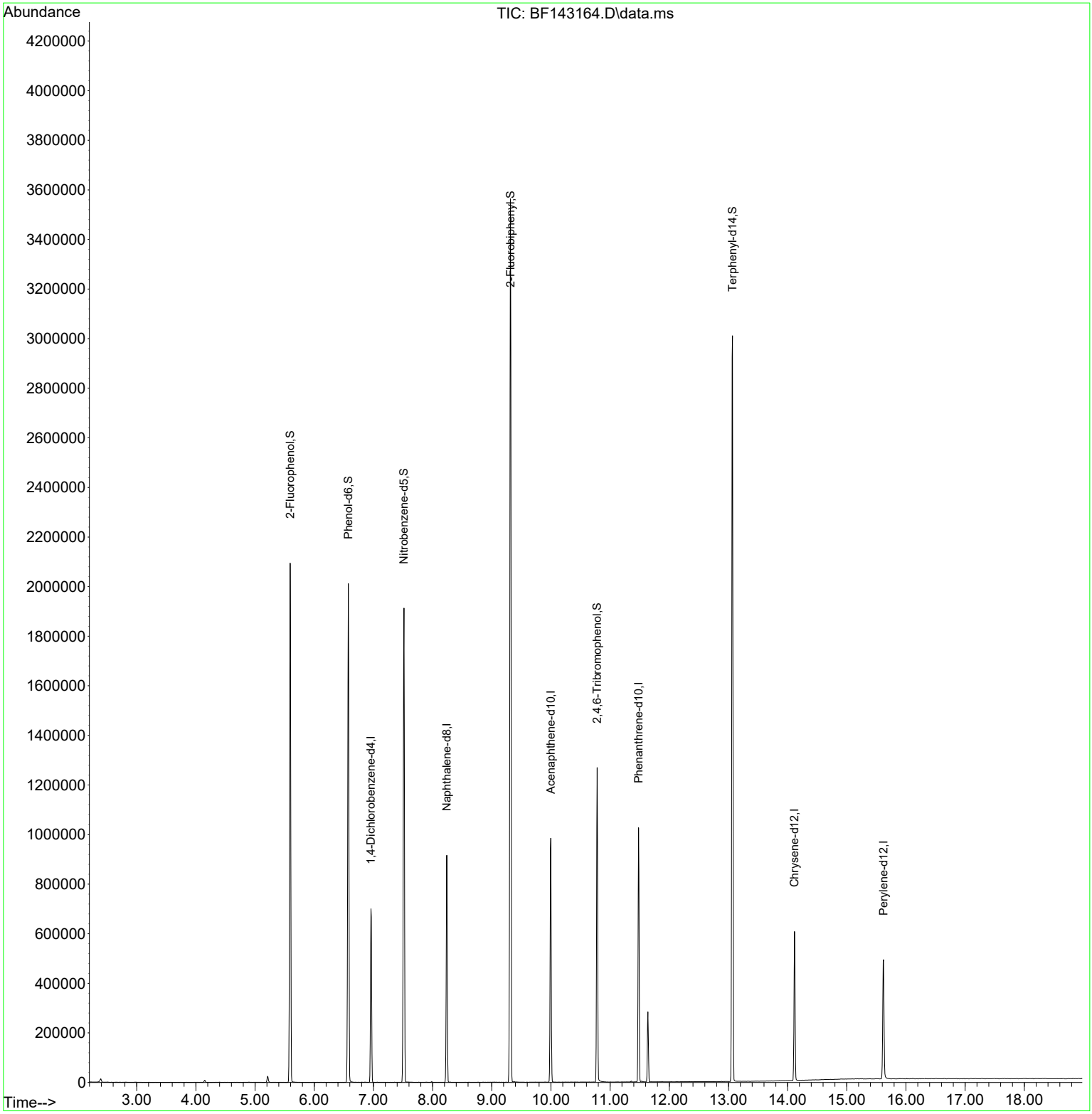
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	144227	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	555488	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293300	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	504948	20.000	ng	0.00
76) Chrysene-d12	14.116	240	280403	20.000	ng	0.00
86) Perylene-d12	15.621	264	285721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	754293	82.761	ng	0.00
7) Phenol-d6	6.575	99	952370	83.019	ng	-0.01
23) Nitrobenzene-d5	7.516	82	883646	79.294	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	210370	69.430	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1626010	75.819	ng	0.00
79) Terphenyl-d14	13.069	244	1559712	82.774	ng	0.00
Target Compounds						Qvalue

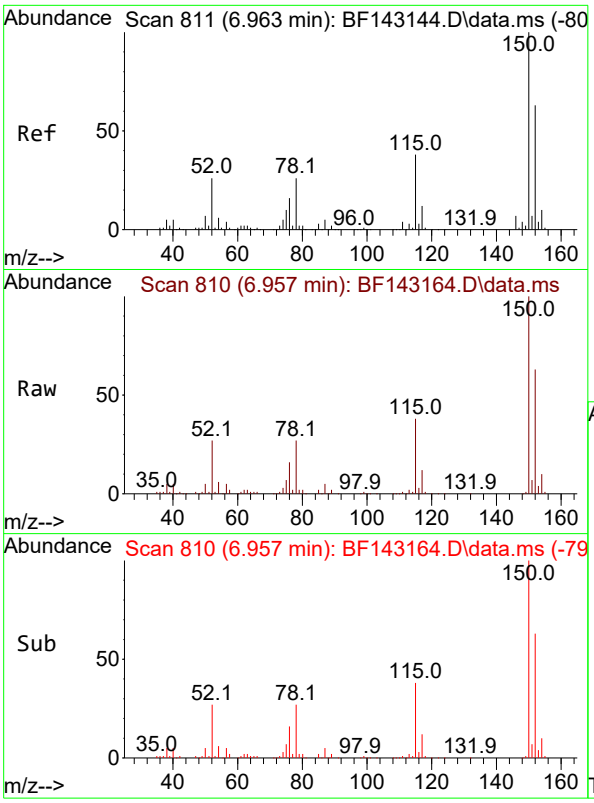
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Time: Jul 18 14:13:27 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



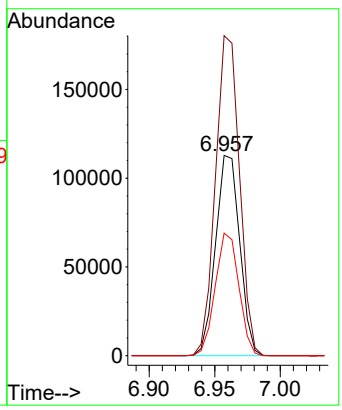


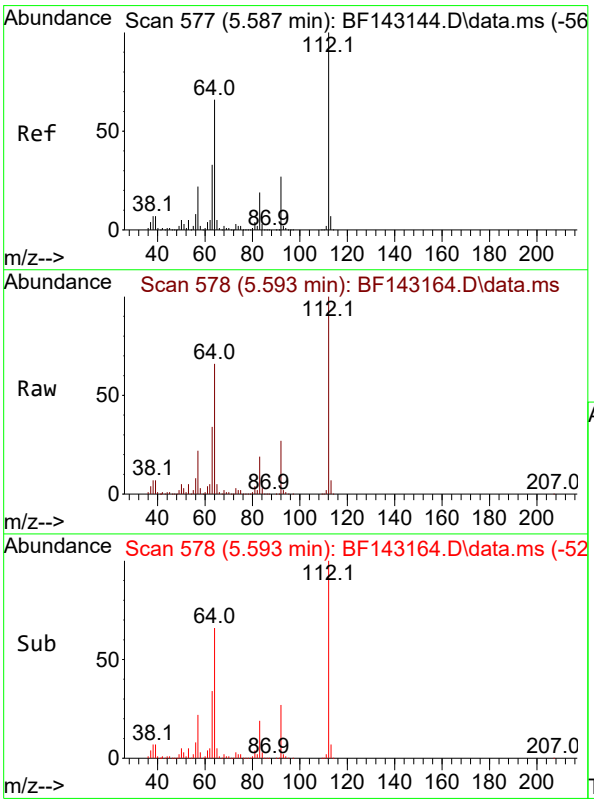
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion:152 Resp: 144227

Ion	Ratio	Lower	Upper
152	100		
150	159.8	128.2	192.4
115	61.2	47.9	71.9

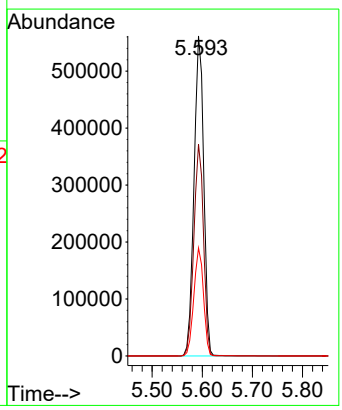


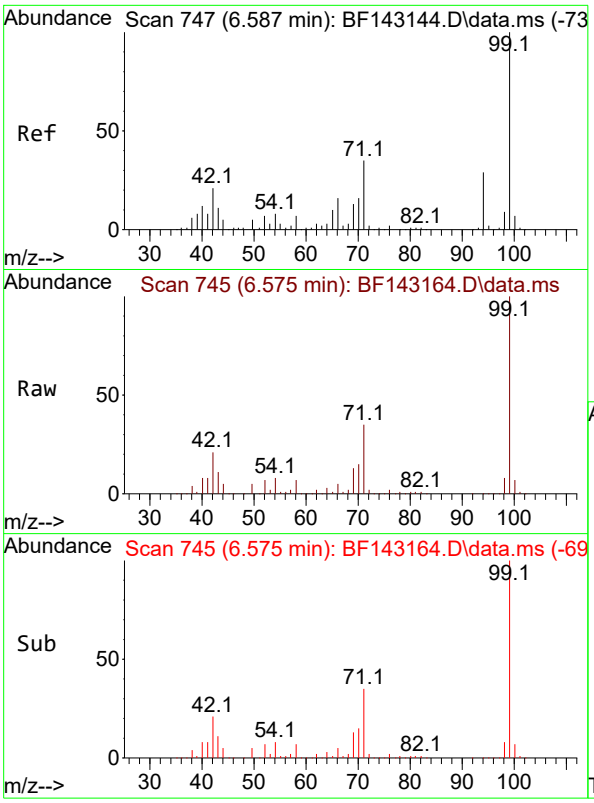


#5
2-Fluorophenol
Concen: 82.761 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:112 Resp: 754293

Ion	Ratio	Lower	Upper
112	100		
64	66.2	53.1	79.7
63	33.7	26.6	40.0



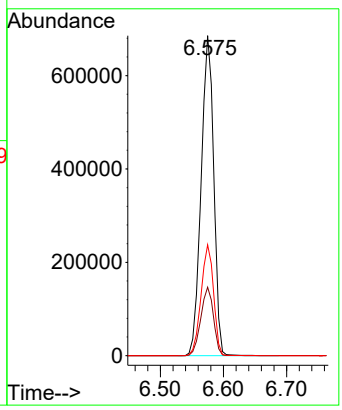


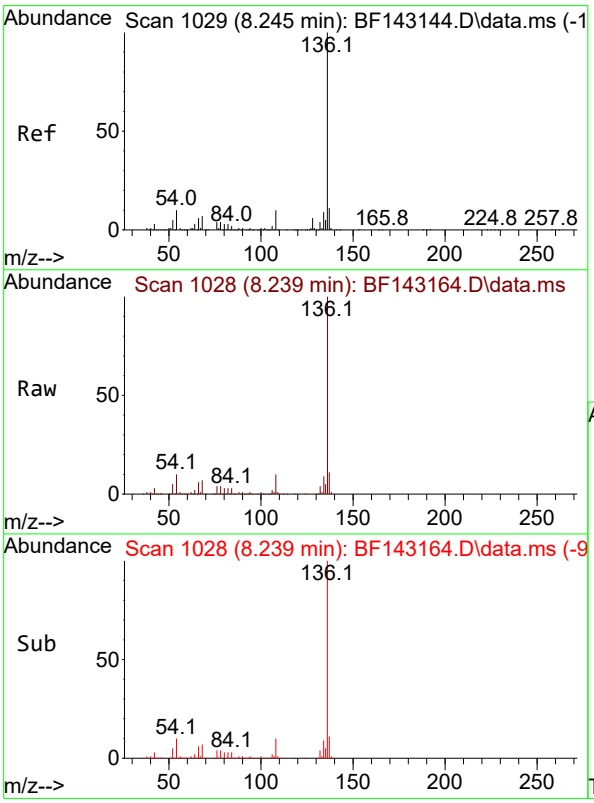
#7
Phenol-d6
Concen: 83.019 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion: 99 Resp: 952370

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	34.6	27.7	41.5

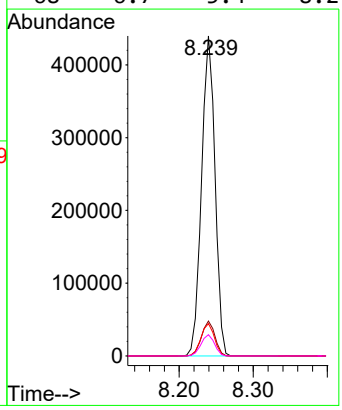


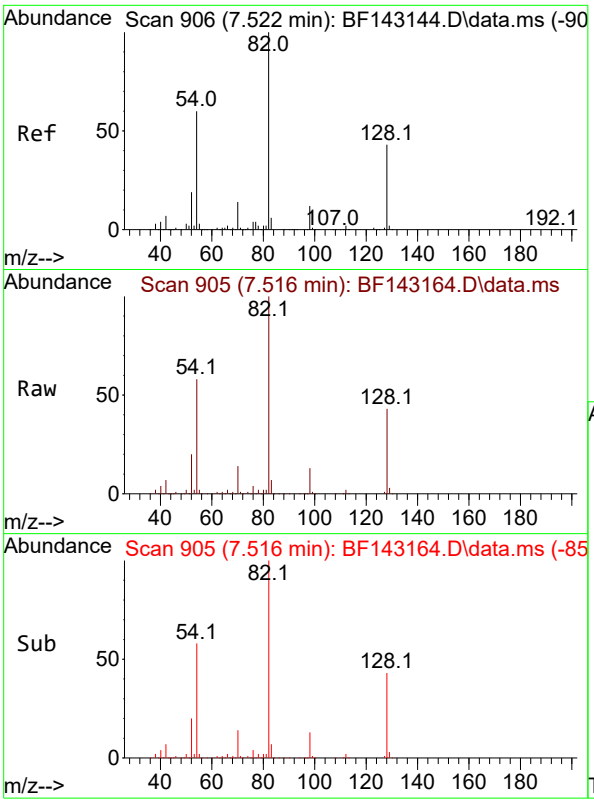


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:136 Resp: 555488

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.7	5.4	8.2



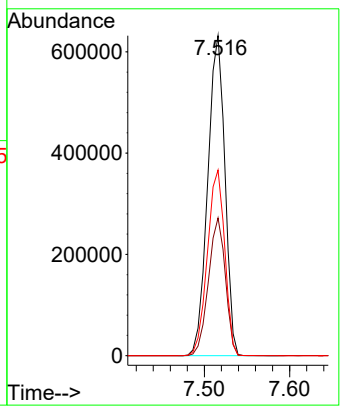


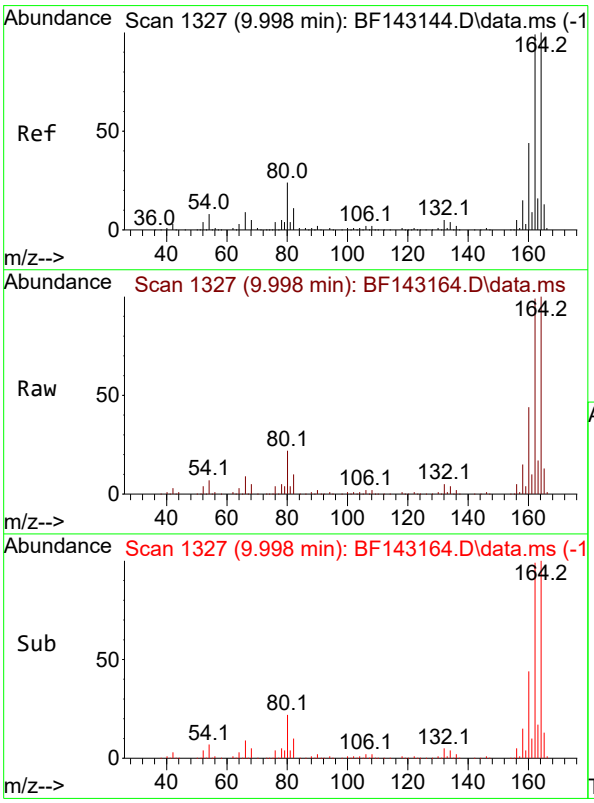
#23
Nitrobenzene-d5
Concen: 79.294 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion: 82 Resp: 883646

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.0	47.1	70.7

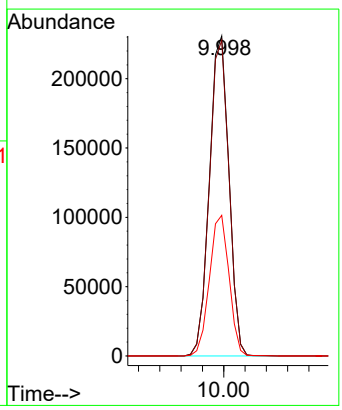


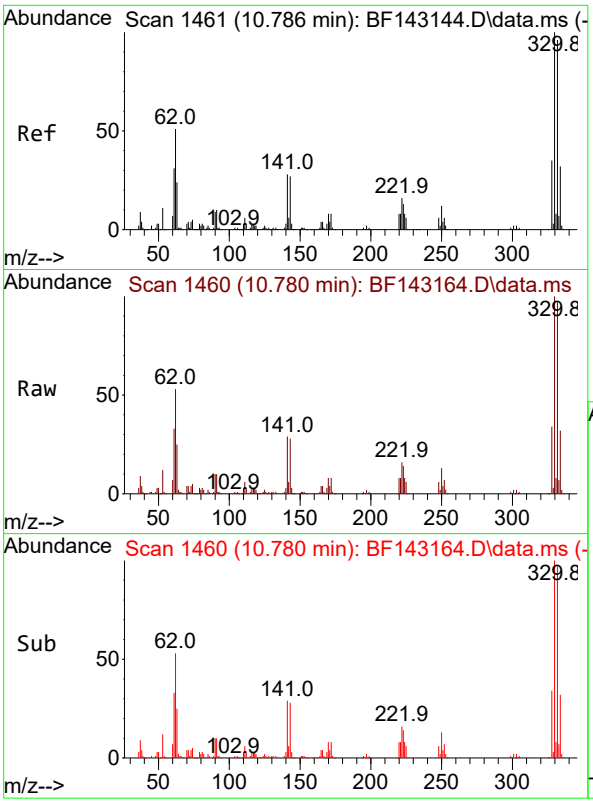


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:164 Resp: 293300

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.6
160	43.9	35.1	52.7



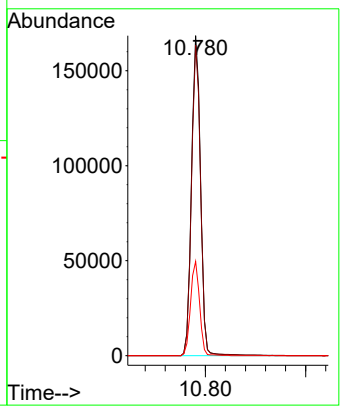


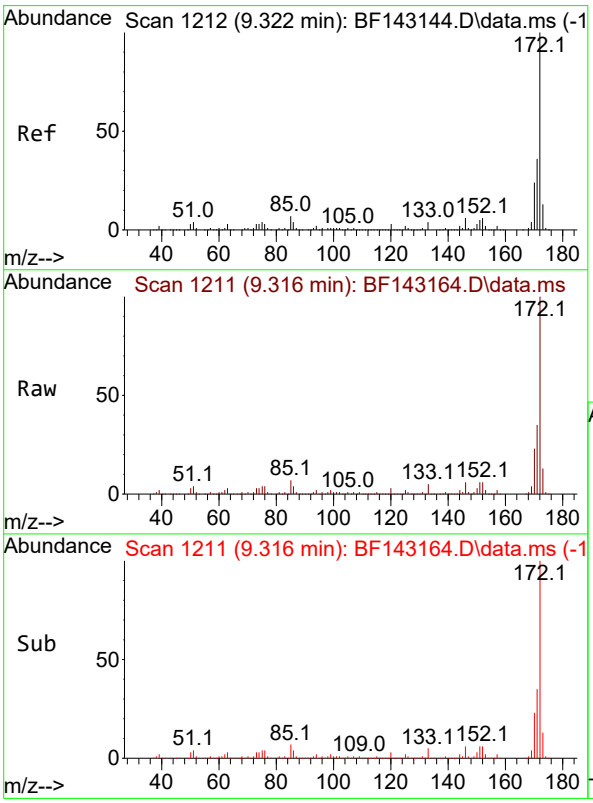
#42
2,4,6-Tribromophenol
Concen: 69.430 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion:330 Resp: 210370

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.7	115.1
141	29.5	23.3	34.9

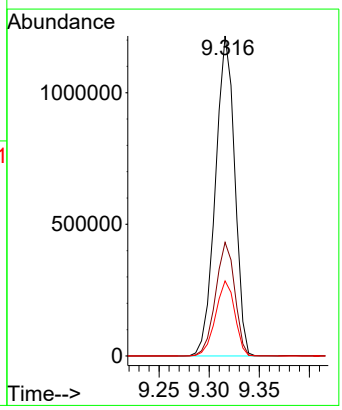


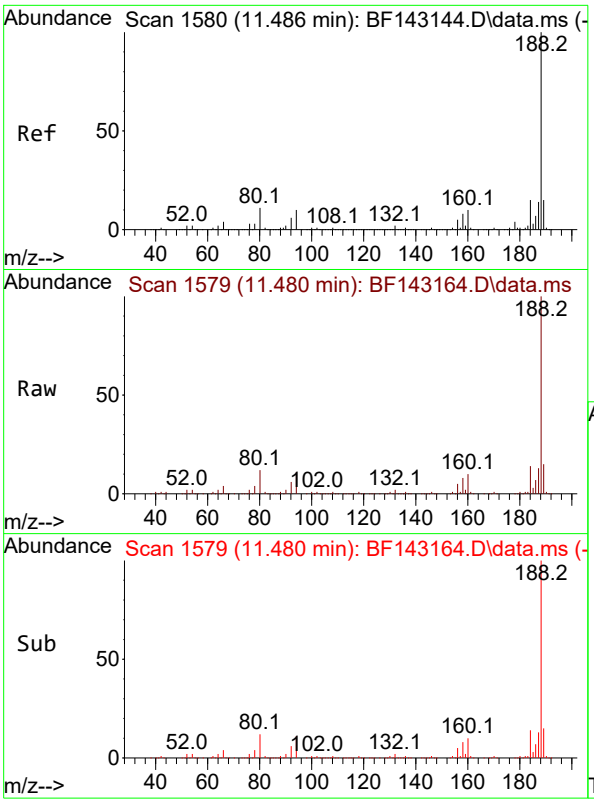


#45
2-Fluorobiphenyl
Concen: 75.819 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:172 Resp: 1626010

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.4	18.8	28.2



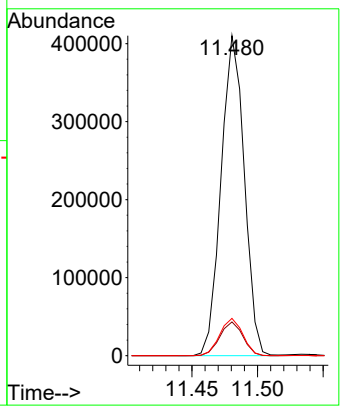


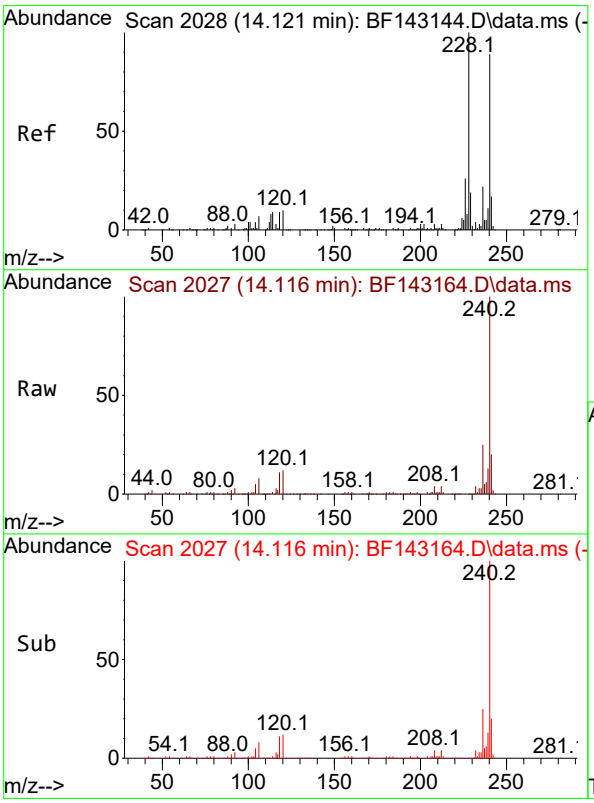
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion:188 Resp: 504948

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.7	9.0	13.6

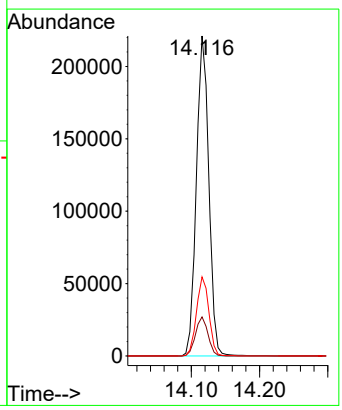


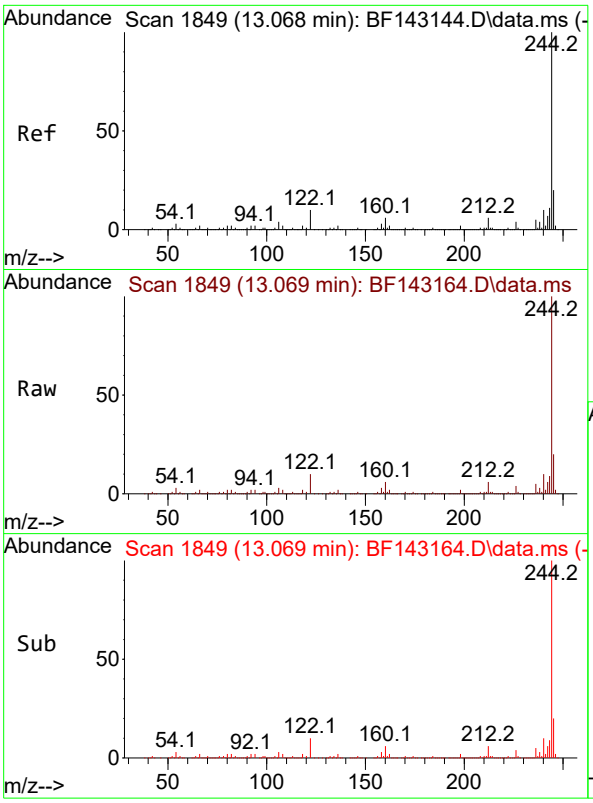


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:240 Resp: 280403

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.4	14.2
236	24.7	20.2	30.4



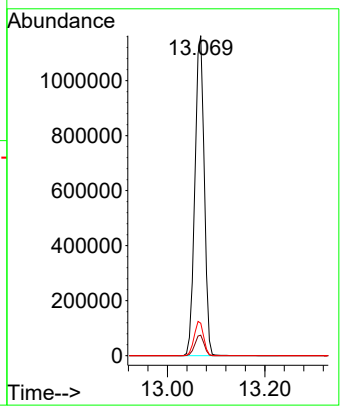


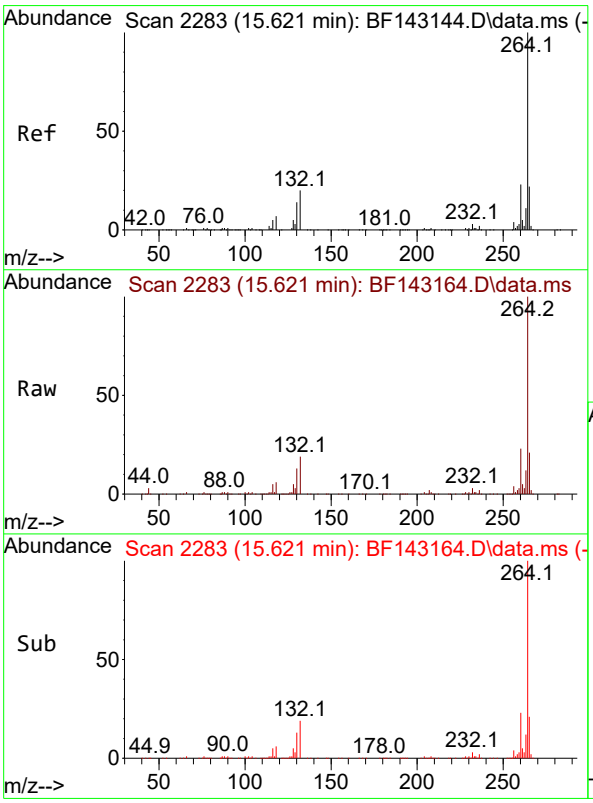
#79
Terphenyl-d14
Concen: 82.774 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Tgt Ion:244 Resp: 1559712

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.1	8.2	12.2

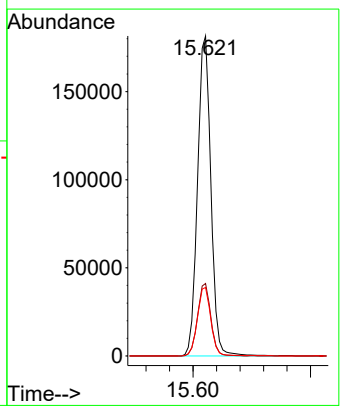




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:264 Resp: 285721

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.4	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143164.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.593	572	578	583	rBV	2094303	2790083	58.77%	11.133%
2	6.575	738	745	750	rBV	2011257	2786800	58.70%	11.120%
3	6.957	805	810	816	rBV	699781	882347	18.59%	3.521%
4	7.516	898	905	910	rBV	1912696	2680722	56.47%	10.696%
5	8.239	1022	1028	1033	rBV	915416	1152142	24.27%	4.597%
6	9.316	1204	1211	1216	rBV	3562905	4747519	100.00%	18.943%
7	9.998	1321	1327	1332	rBV	984486	1263030	26.60%	5.040%
8	10.780	1454	1460	1465	rBV	1268590	1578086	33.24%	6.297%
9	11.480	1574	1579	1584	rBV	1024635	1259617	26.53%	5.026%
10	11.639	1601	1606	1611	rBV	282980	335789	7.07%	1.340%
11	13.069	1843	1849	1854	rBV	3007816	4073226	85.80%	16.253%
12	14.116	2022	2027	2038	rBV	601370	756781	15.94%	3.020%
13	15.621	2276	2283	2295	rBV	480588	755822	15.92%	3.016%

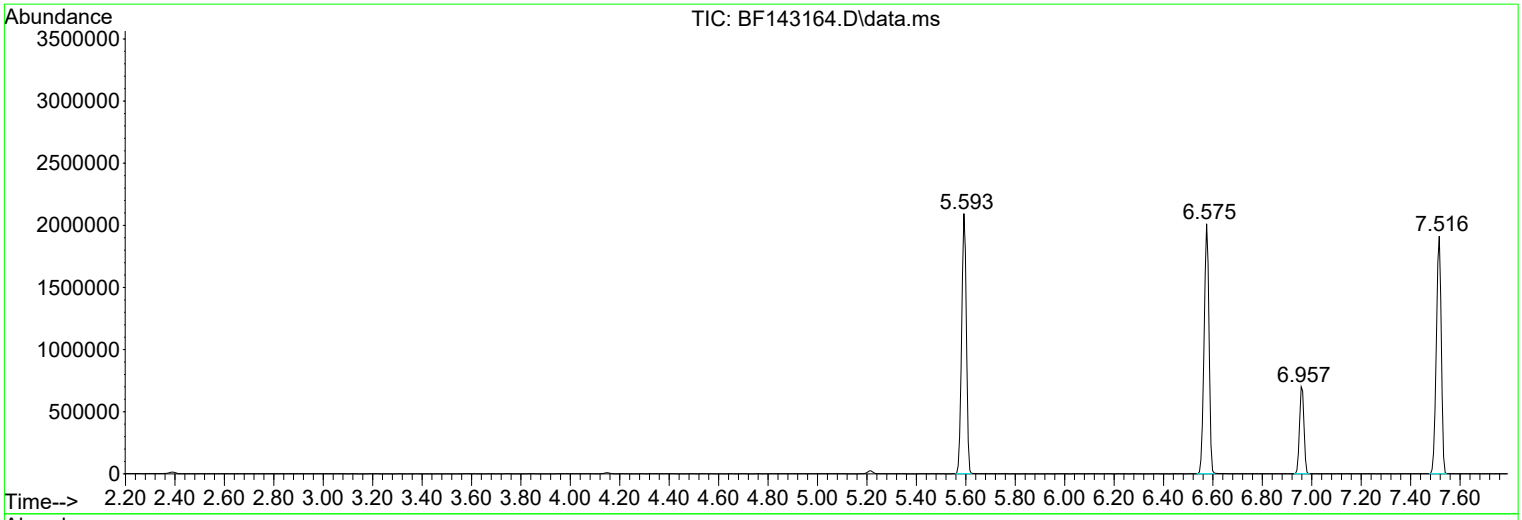
Sum of corrected areas: 25061964

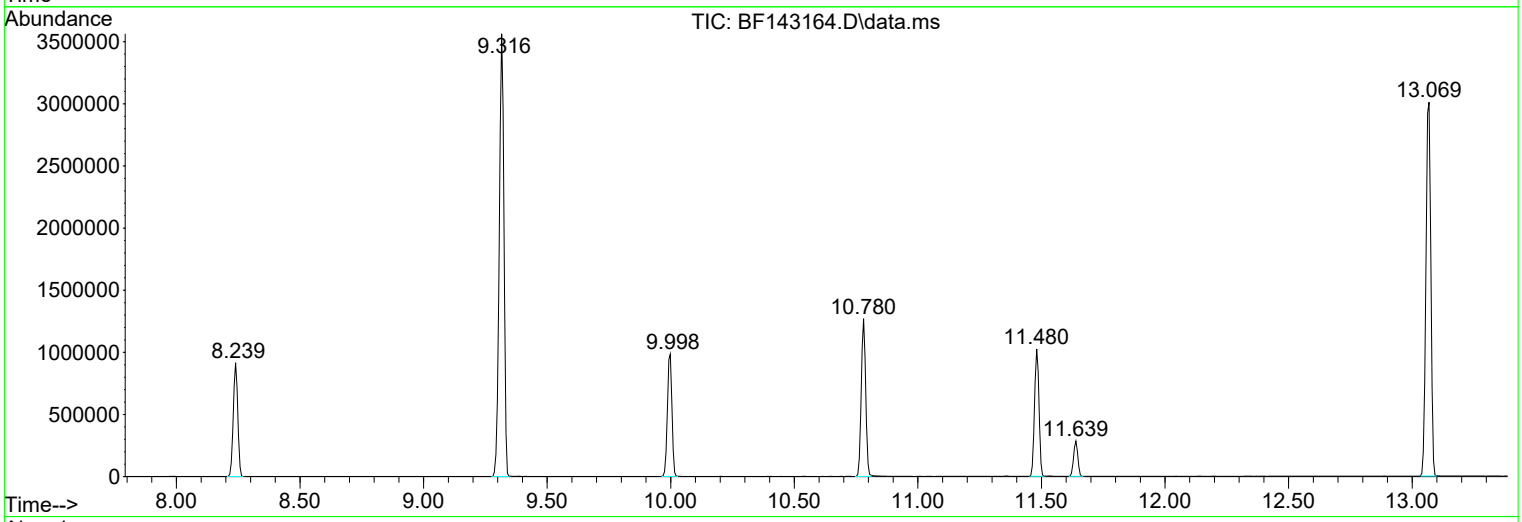
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

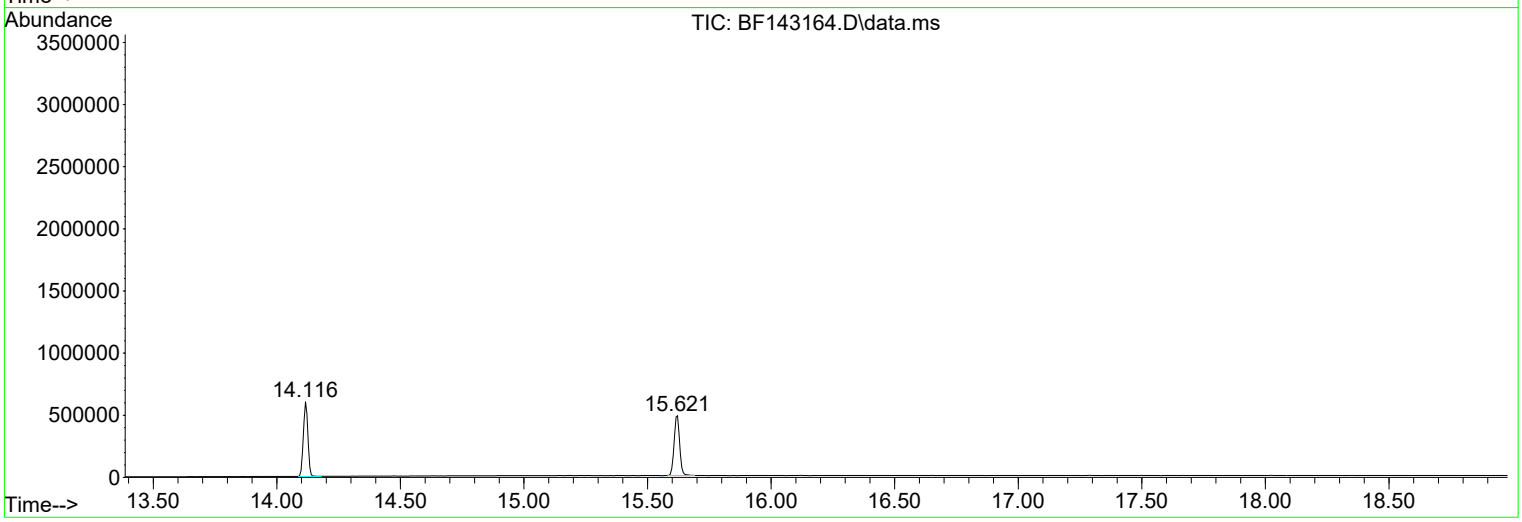
Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

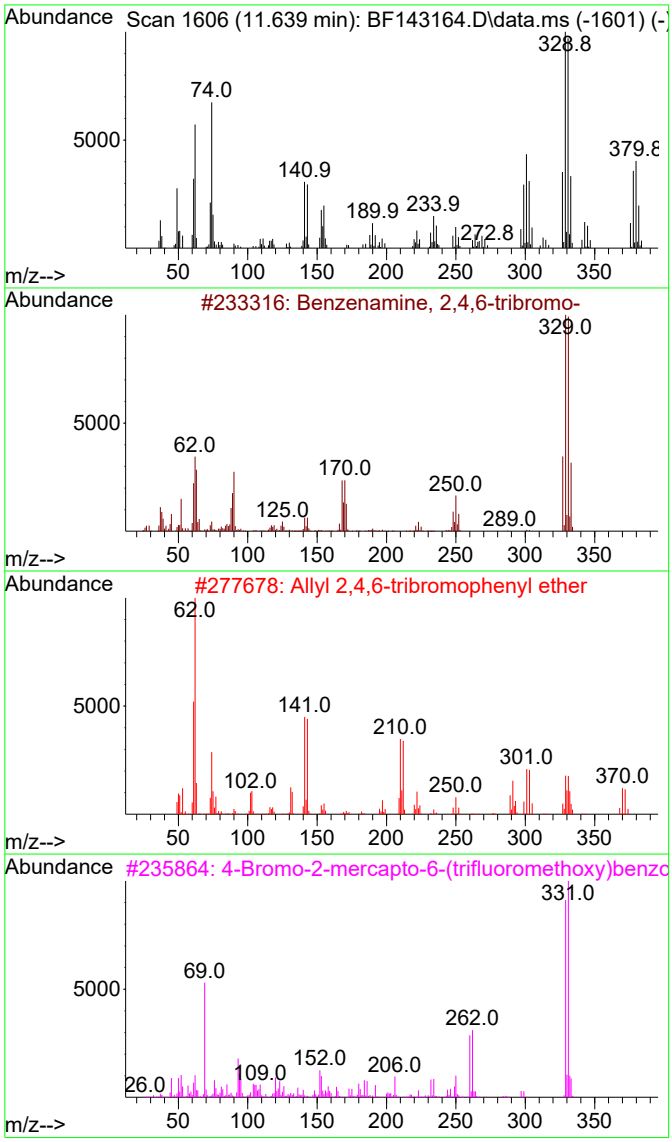
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

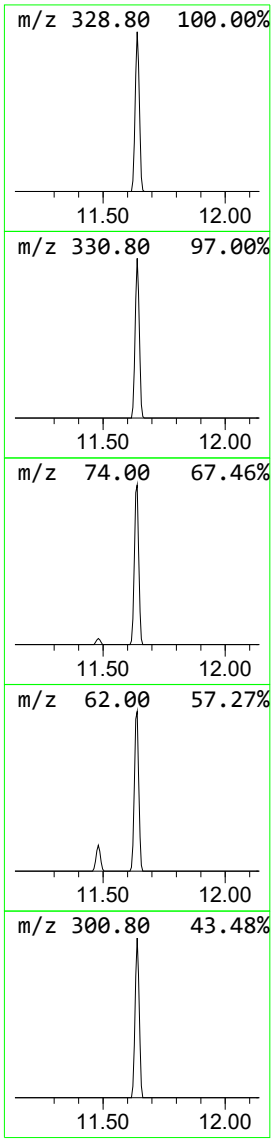
****

Peak Number 1 unknown11.639 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.639	5.33 ng	335789	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2,4,6-tribromo-	327	C6H4Br3N	000147-82-0	41
2	Allyl 2,4,6-tribromophenyl ether	368	C9H7Br3O	003278-89-5	22
3	4-Bromo-2-mercapto-6-(trifluorom...	329	C8H3BrF3NOS2	1000502-92-7	22
4	Ethane, 1,2-dichloro-	98	C2H4Cl2	000107-06-2	16
5	Methyl 3,5-diamino-6-chloropyraz...	346	C12H23ClN4O2Si2	1000293-06-3	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

						--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
unknown	11.639	11.639	5.3	ng	335789	4	11.480	1259620	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143162.D
Acq On : 18 Jul 2025 12:53
Operator : RC/JU
Sample : PB168904BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BS

Quant Time: Jul 18 13:12:29 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	140840	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	541427	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	282216	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	448321	20.000	ng		0.00
76) Chrysene-d12	14.121	240	250022	20.000	ng		0.00
86) Perylene-d12	15.621	264	283255	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	708845	79.645	ng		0.00
7) Phenol-d6	6.581	99	905876	80.865	ng		0.00
23) Nitrobenzene-d5	7.522	82	869462	80.048	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	243592	83.552	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1536809	74.474	ng		0.00
79) Terphenyl-d14	13.063	244	1323160	78.753	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.910	88	150871	35.825	ng		99
3) Pyridine	3.657	79	415812	38.041	ng		98
4) n-Nitrosodimethylamine	3.599	42	239033	42.356	ng		98
6) Aniline	6.622	93	530673	33.990	ng		99
8) 2-Chlorophenol	6.745	128	398585	42.725	ng		99
9) Benzaldehyde	6.510	77	281039	33.457	ng		99
10) Phenol	6.598	94	516840m	42.351	ng		
11) bis(2-Chloroethyl)ether	6.692	93	396896	42.476	ng		99
12) 1,3-Dichlorobenzene	6.904	146	416857	41.133	ng		99
13) 1,4-Dichlorobenzene	6.981	146	425741	41.715	ng		99
14) 1,2-Dichlorobenzene	7.134	146	412108	42.455	ng		98
15) Benzyl Alcohol	7.098	79	369086	43.150	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	740579	42.725	ng		100
17) 2-Methylphenol	7.204	107	338040	43.095	ng		100
18) Hexachloroethane	7.481	117	152652	43.206	ng		99
19) n-Nitroso-di-n-propyla...	7.369	70	304739	42.401	ng		99
20) 3+4-Methylphenols	7.357	107	413621	43.461	ng	#	90
22) Acetophenone	7.363	105	554083	43.226	ng		97
24) Nitrobenzene	7.539	77	446004	44.043	ng		99
25) Isophorone	7.781	82	839829	43.799	ng		99
26) 2-Nitrophenol	7.857	139	203935	46.402	ng		100
27) 2,4-Dimethylphenol	7.886	122	395116	44.105	ng		99
28) bis(2-Chloroethoxy)met...	7.986	93	496181	43.160	ng		99
29) 2,4-Dichlorophenol	8.092	162	329682	43.638	ng		98
30) 1,2,4-Trichlorobenzene	8.181	180	348666	42.718	ng		99
31) Naphthalene	8.263	128	1144292	42.914	ng		100
32) Benzoic acid	7.992	122	219361	43.958	ng		98
33) 4-Chloroaniline	8.304	127	204368	18.770	ng		100
34) Hexachlorobutadiene	8.386	225	214101	42.941	ng		100
35) Caprolactam	8.669	113	107629m	47.144	ng		
36) 4-Chloro-3-methylphenol	8.781	107	362456	44.140	ng		100
37) 2-Methylnaphthalene	8.957	142	702863	43.318	ng		100
38) 1-Methylnaphthalene	9.057	142	721852	43.203	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	338541	41.550	ng		99
41) Hexachlorocyclopentadiene	9.116	237	457365	86.269	ng		100
43) 2,4,6-Trichlorophenol	9.228	196	242153	42.942	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143162.D
Acq On : 18 Jul 2025 12:53
Operator : RC/JU
Sample : PB168904BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BS

Quant Time: Jul 18 13:12:29 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

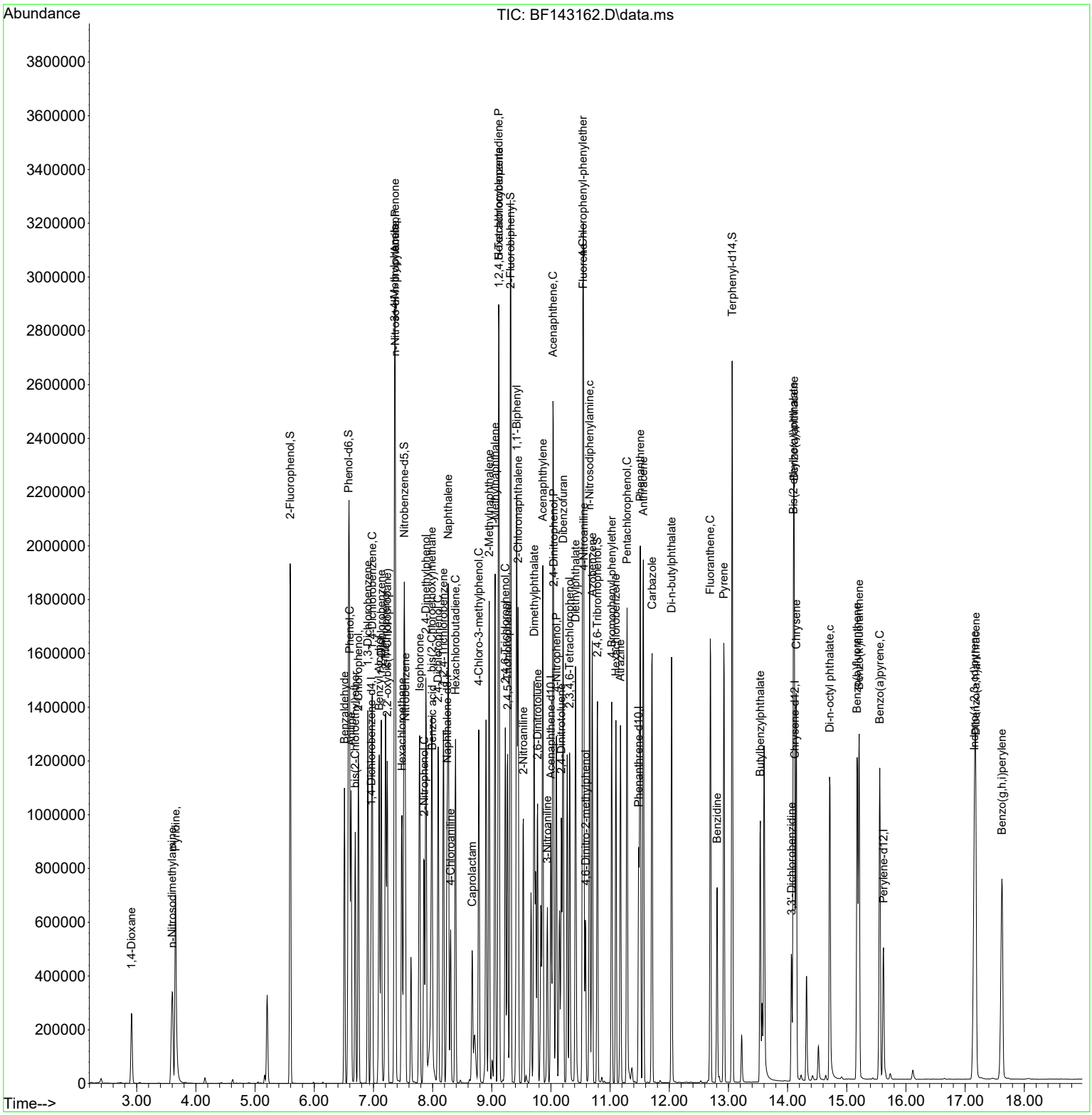
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	257533	45.656	ng		99
46) 1,1'-Biphenyl	9.422	154	953537	43.306	ng		99
47) 2-Chloronaphthalene	9.445	162	694401	42.622	ng		100
48) 2-Nitroaniline	9.533	65	238471	46.675	ng		99
49) Acenaphthylene	9.863	152	1179238	43.191	ng		100
50) Dimethylphthalate	9.716	163	807076	43.873	ng		100
51) 2,6-Dinitrotoluene	9.775	165	176735	47.227	ng		99
52) Acenaphthene	10.033	154	744758	46.151	ng		98
53) 3-Nitroaniline	9.939	138	128632	29.387	ng		99
54) 2,4-Dinitrophenol	10.045	184	155071	90.478	ng	#	8
55) Dibenzofuran	10.204	168	1021602	42.640	ng		99
56) 4-Nitrophenol	10.092	139	291400	89.152	ng		99
57) 2,4-Dinitrotoluene	10.175	165	229467	48.875	ng		99
58) Fluorene	10.545	166	770170	42.831	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	210611	45.074	ng		99
60) Diethylphthalate	10.416	149	811853	44.651	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	388946	43.440	ng		99
62) 4-Nitroaniline	10.557	138	166177	44.297	ng		99
63) Azobenzene	10.698	77	836150	44.124	ng		100
65) 4,6-Dinitro-2-methylph...	10.586	198	105178	45.118	ng		97
66) n-Nitrosodiphenylamine	10.651	169	690716	43.753	ng		99
67) 4-Bromophenyl-phenylether	11.027	248	235457	44.070	ng		99
68) Hexachlorobenzene	11.098	284	249375	44.656	ng		99
69) Atrazine	11.175	200	206267	47.393	ng		100
70) Pentachlorophenol	11.286	266	299004	91.047	ng		98
71) Phenanthrene	11.510	178	1043022	43.816	ng		100
72) Anthracene	11.563	178	1063793	43.817	ng		100
73) Carbazole	11.710	167	930154	43.877	ng		100
74) Di-n-butylphthalate	12.039	149	1103396	46.000	ng		100
75) Fluoranthene	12.692	202	965500	44.189	ng		99
77) Benzidine	12.810	184	399079	41.430	ng		99
78) Pyrene	12.921	202	953662	44.693	ng		100
80) Butylbenzylphthalate	13.539	149	309177	47.318	ng		98
81) Benzo(a)anthracene	14.110	228	739873	44.201	ng		100
82) 3,3'-Dichlorobenzidine	14.068	252	140203	25.131	ng		99
83) Chrysene	14.145	228	678150	45.060	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	472409	47.767	ng		100
85) Di-n-octyl phthalate	14.710	149	833202	46.478	ng		100
87) Indeno(1,2,3-cd)pyrene	17.156	276	895590	44.839	ng		100
88) Benzo(b)fluoranthene	15.174	252	773715	44.712	ng		99
89) Benzo(k)fluoranthene	15.210	252	718119	46.506	ng		99
90) Benzo(a)pyrene	15.557	252	727999	45.662	ng		99
91) Dibenzo(a,h)anthracene	17.180	278	731233	44.980	ng		99
92) Benzo(g,h,i)perylene	17.621	276	705378	44.855	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143162.D
Acq On : 18 Jul 2025 12:53
Operator : RC/JU
Sample : PB168904BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BS

Quant Time: Jul 18 13:12:29 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143163.D
Acq On : 18 Jul 2025 13:22
Operator : RC/JU
Sample : PB168904BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BSD

Quant Time: Jul 18 13:45:00 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	134233	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	524933	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	272308	20.000	ng		0.00
64) Phenanthrene-d10	11.481	188	443930	20.000	ng		0.00
76) Chrysene-d12	14.122	240	252328	20.000	ng		0.00
86) Perylene-d12	15.621	264	280075	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	689324	81.264	ng		0.00
7) Phenol-d6	6.581	99	877854	82.220	ng		0.00
23) Nitrobenzene-d5	7.516	82	849641	80.681	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	234514	83.365	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1490518	74.859	ng		0.00
79) Terphenyl-d14	13.063	244	1322859	78.016	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.905	88	148250	36.936	ng		100
3) Pyridine	3.652	79	404777	38.854	ng		98
4) n-Nitrosodimethylamine	3.593	42	232460	43.218	ng		98
6) Aniline	6.622	93	509293	34.226	ng		99
8) 2-Chlorophenol	6.746	128	391235	44.001	ng		98
9) Benzaldehyde	6.510	77	279137	34.866	ng		97
10) Phenol	6.593	94	507550m	43.636	ng		
11) bis(2-Chloroethyl)ether	6.693	93	390023	43.795	ng		98
12) 1,3-Dichlorobenzene	6.904	146	405894	42.023	ng		99
13) 1,4-Dichlorobenzene	6.981	146	412718	42.430	ng		99
14) 1,2-Dichlorobenzene	7.134	146	399171	43.146	ng		99
15) Benzyl Alcohol	7.098	79	358599	43.987	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	724154	43.834	ng		100
17) 2-Methylphenol	7.204	107	329392	44.059	ng		98
18) Hexachloroethane	7.481	117	148035	43.962	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	295904	43.198	ng		99
20) 3+4-Methylphenols	7.357	107	408476	45.033	ng	#	88
22) Acetophenone	7.363	105	535066	43.054	ng		97
24) Nitrobenzene	7.540	77	436819	44.491	ng		100
25) Isophorone	7.775	82	817053	43.950	ng		100
26) 2-Nitrophenol	7.857	139	203332	47.719	ng		99
27) 2,4-Dimethylphenol	7.887	122	385257	44.356	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	488053	43.786	ng		99
29) 2,4-Dichlorophenol	8.092	162	323576	44.175	ng		98
30) 1,2,4-Trichlorobenzene	8.181	180	336097	42.472	ng		99
31) Naphthalene	8.263	128	1127603m	43.617	ng		
32) Benzoic acid	7.993	122	227846m	46.723	ng		
33) 4-Chloroaniline	8.304	127	205458	19.464	ng		99
34) Hexachlorobutadiene	8.387	225	210749	43.596	ng		100
35) Caprolactam	8.669	113	106998m	48.340	ng		
36) 4-Chloro-3-methylphenol	8.781	107	358475	45.026	ng		100
37) 2-Methylnaphthalene	8.957	142	682326	43.373	ng		100
38) 1-Methylnaphthalene	9.057	142	711574	43.926	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	331686	42.189	ng		99
41) Hexachlorocyclopentadiene	9.116	237	447550	87.490	ng		100
43) 2,4,6-Trichlorophenol	9.228	196	234546	43.107	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143163.D
Acq On : 18 Jul 2025 13:22
Operator : RC/JU
Sample : PB168904BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BSD

Quant Time: Jul 18 13:45:00 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

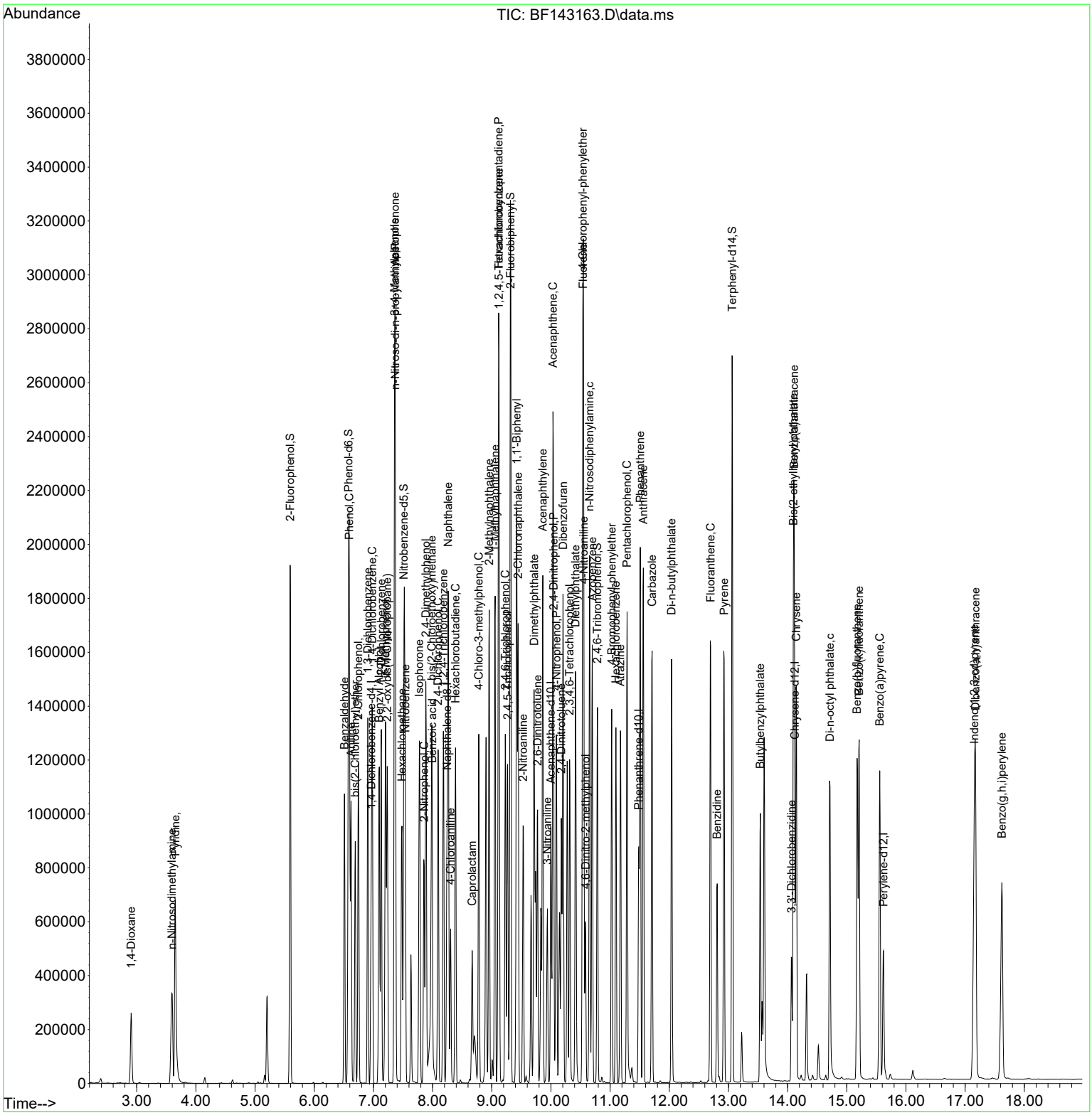
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	250713	46.064	ng		99
46) 1,1'-Biphenyl	9.422	154	926298	43.600	ng		100
47) 2-Chloronaphthalene	9.445	162	673620	42.851	ng		100
48) 2-Nitroaniline	9.528	65	233503	47.366	ng		97
49) Acenaphthylene	9.863	152	1146165	43.507	ng		100
50) Dimethylphthalate	9.716	163	798798	45.003	ng		99
51) 2,6-Dinitrotoluene	9.775	165	175169	48.512	ng		99
52) Acenaphthene	10.034	154	731488	46.978	ng		98
53) 3-Nitroaniline	9.939	138	125947	29.821	ng		99
54) 2,4-Dinitrophenol	10.045	184	155426	93.727	ng	#	2
55) Dibenzofuran	10.204	168	1001067	43.303	ng		99
56) 4-Nitrophenol	10.092	139	292549	92.760	ng		98
57) 2,4-Dinitrotoluene	10.175	165	229791	50.725	ng		99
58) Fluorene	10.545	166	747135	43.062	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	211171	46.838	ng		99
60) Diethylphthalate	10.416	149	799680	45.581	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	377435	43.688	ng		99
62) 4-Nitroaniline	10.557	138	164448	45.431	ng		99
63) Azobenzene	10.698	77	823357	45.030	ng		100
65) 4,6-Dinitro-2-methylph...	10.586	198	102823	44.613	ng		97
66) n-Nitrosodiphenylamine	10.651	169	682448	43.657	ng		99
67) 4-Bromophenyl-phenylether	11.028	248	231921	43.838	ng		100
68) Hexachlorobenzene	11.098	284	246065	44.499	ng		99
69) Atrazine	11.175	200	202166	46.910	ng		99
70) Pentachlorophenol	11.286	266	291731	89.711	ng		99
71) Phenanthrene	11.510	178	1035532	43.932	ng		100
72) Anthracene	11.563	178	1037171	43.143	ng		99
73) Carbazole	11.710	167	926315	44.128	ng		100
74) Di-n-butylphthalate	12.039	149	1092806	46.009	ng		100
75) Fluoranthene	12.698	202	973043	44.975	ng		100
77) Benzidine	12.810	184	403621	41.518	ng		99
78) Pyrene	12.927	202	946188	43.938	ng		100
80) Butylbenzylphthalate	13.539	149	312264	47.354	ng		100
81) Benzo(a)anthracene	14.110	228	749253	44.352	ng		100
82) 3,3'-Dichlorobenzidine	14.069	252	140515	24.957	ng		99
83) Chrysene	14.145	228	699428	46.049	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	469258	47.015	ng		100
85) Di-n-octyl phthalate	14.716	149	827899	45.761	ng		100
87) Indeno(1,2,3-cd)pyrene	17.157	276	877169	44.416	ng		100
88) Benzo(b)fluoranthene	15.174	252	774966	45.293	ng		99
89) Benzo(k)fluoranthene	15.210	252	707707	46.352	ng		99
90) Benzo(a)pyrene	15.557	252	716468	45.449	ng		99
91) Dibenzo(a,h)anthracene	17.174	278	715895	44.536	ng		100
92) Benzo(g,h,i)perylene	17.621	276	692338	44.525	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143163.D
Acq On : 18 Jul 2025 13:22
Operator : RC/JU
Sample : PB168904BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BSD

Quant Time: Jul 18 13:45:00 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



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:	bf071825	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143159.D	Phenol	Rahul	7/21/2025 8:14:42 AM	Jagrut	7/21/2025 9:31:06 AM	Peak Integrated by Software
PB168904BS	BF143162.D	Caprolactam	Rahul	7/21/2025 8:14:51 AM	Jagrut	7/21/2025 9:31:14 AM	Peak Integrated by Software
PB168904BS	BF143162.D	Phenol	Rahul	7/21/2025 8:14:51 AM	Jagrut	7/21/2025 9:31:14 AM	Peak Integrated by Software
PB168904BSD	BF143163.D	Benzoic acid	Rahul	7/21/2025 8:14:54 AM	Jagrut	7/21/2025 9:31:19 AM	Peak Integrated by Software
PB168904BSD	BF143163.D	Caprolactam	Rahul	7/21/2025 8:14:54 AM	Jagrut	7/21/2025 9:31:19 AM	Peak Integrated by Software
PB168904BSD	BF143163.D	Naphthalene	Rahul	7/21/2025 8:14:54 AM	Jagrut	7/21/2025 9:31:19 AM	Peak Integrated by Software
PB168904BSD	BF143163.D	Phenol	Rahul	7/21/2025 8:14:54 AM	Jagrut	7/21/2025 9:31:19 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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 # BF071825

Review By	Rahul	Review On	7/21/2025 8:15:21 AM		
Supervise By	Jagrut	Supervise On	7/21/2025 9:31:31 AM		
SubDirectory	BF071825	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	BF143158.D	18 Jul 2025 10:55	RC/JU	Ok
2	SSTDCCC040	BF143159.D	18 Jul 2025 11:24	RC/JU	Ok,M
3	PB168737BL	BF143160.D	18 Jul 2025 11:54	RC/JU	Ok
4	PB168854BS	BF143161.D	18 Jul 2025 12:23	RC/JU	Not Ok
5	PB168904BS	BF143162.D	18 Jul 2025 12:53	RC/JU	Ok,M
6	PB168904BSD	BF143163.D	18 Jul 2025 13:22	RC/JU	Ok,M
7	PB168904BL	BF143164.D	18 Jul 2025 13:52	RC/JU	Ok
8	Q2585-04	BF143165.D	18 Jul 2025 14:25	RC/JU	Ok
9	Q2594-01	BF143166.D	18 Jul 2025 14:54	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

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 # BF071825

Review By	Rahul	Review On	7/21/2025 8:15:21 AM		
Supervise By	Jagrut	Supervise On	7/21/2025 9:31:31 AM		
SubDirectory	BF071825	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	BF143158.D	18 Jul 2025 10:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143159.D	18 Jul 2025 11:24		RC/JU	Ok,M
3	PB168737BL	PB168737BL	BF143160.D	18 Jul 2025 11:54		RC/JU	Ok
4	PB168854BS	PB168854BS	BF143161.D	18 Jul 2025 12:23	Already analyzed	RC/JU	Not Ok
5	PB168904BS	PB168904BS	BF143162.D	18 Jul 2025 12:53		RC/JU	Ok,M
6	PB168904BSD	PB168904BSD	BF143163.D	18 Jul 2025 13:22		RC/JU	Ok,M
7	PB168904BL	PB168904BL	BF143164.D	18 Jul 2025 13:52		RC/JU	Ok
8	Q2585-04	EFF-WW	BF143165.D	18 Jul 2025 14:25	Surrogate and Internal standard fail	RC/JU	Ok
9	Q2594-01	CC-071325-RW	BF143166.D	18 Jul 2025 14:54	Surrogate fail.	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168904

SOP ID:	M625.1-BNA-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/17/2025
Matrix :	Water			**Extraction Start Time :**	08:39
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/17/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100 PPM	SP6759
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
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 & >11 with10N NaOH.

KD Bath ID:	Water bath -01	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/17/25	RS (B4-lab)	RC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168904

Analytical Method: M625.1-BNA-21

Concentration Date: 07/17/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168904BL	SBLK904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168904BS	SLCS904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168904BSD	SLCSD904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2585-04	EFF-WW	SVOCMS Group1	950	6	RUPESH	ritesh	1	C		4
Q2594-01	CC-071325-RW	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	D		5

7/17

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

Q2594 168904 8:39

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2585 **WorkList ID :** 190795 **Department :** Extraction **Date :** 07-17-2025 08:31:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2585-04	EFF-WW	Water	SVOCMS Group1	Cool 4 deg C	ARDM01	D41	07/11/2025	625.1
Q2594-01	CC-071325-RW	Water	SVOC-TCL BNA -20	Cool 4 deg C	ENVI60	O42	07/14/2025	625.1

167 of 324

Date/Time 7/17/25 8:32
Raw Sample Received by: RJ (ExtLab)
Raw Sample Relinquished by: CP SM

Date/Time 7/17/25 9:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (ExtLab)

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

LAB CHRONICLE

OrderID:	Q2594	**OrderDate:**	7/14/2025 12:05:00 PM
Client:	Environmental Restoration, LLC	**Project:**	Cooper Chemical - Long Valley NJ 2-COOP-ANS
Contact:	Byron Hartman	**Location:**	O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2594-01	**CC-071325-RW**	**Water**			**07/14/25**			**07/14/25**
			SVOC-TCL BNA -20	625.1		07/17/25	07/18/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2594 **Order ID:** Q2594

Client: Environmental Restoration, LLC **Project ID:** Cooper Chemical - Long Valley NJ 2-C

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**CC-071325-RW**							
Q2594-01	CC-071325-RW	WATER	gamma-BHC (Lindane)	0.0031	J	0.00040	0.0050	ug/L
			Total Concentration:	**0.003**				

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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089640.D	1	07/17/25 09:24	07/28/25 11:48	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.00040	U	0.00040	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0031	J	0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.00030	U	0.00030	0.0050	ug/L
309-00-2	Aldrin	0.00040	U	0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.00050	U	0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.0011	U	0.0011	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.0010	U	0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.00030	U	0.00030	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.00040	U	0.00040	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.00040	U	0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.00040	U	0.00040	0.0050	ug/L
60-57-1	Dieldrin	0.00040	U	0.00040	0.0050	ug/L
72-20-8	Endrin	0.00030	U	0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.00080	U	0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.00070	U	0.00070	0.0050	ug/L
50-29-3	4,4-DDT	0.00040	U	0.00040	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.0011	U	0.0011	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.00090	U	0.00090	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		60 (60) - 140 (140)	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.7	*	60 (60) - 140 (140)	53%	SPK: 20

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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089640.D	1	07/17/25 09:24	07/28/25 11:48	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2594

Client: Environmental Restoration, LLC

Analytical Method: 608.3 Pest

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089537.D	PIBLK-PD089537.D	Tetrachloro-m-xyl	1	20	18.5	92		60 (60)	140 (140)
		Decachlorobiphen	1	20	21.2	106		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	19.9	100		60 (60)	140 (140)
		Decachlorobiphen	2	20	20.5	103		60 (60)	140 (140)
I.BLK-PD089574.D	PIBLK-PD089574.D	Tetrachloro-m-xyl	1	20	19.1	95		60 (60)	140 (140)
		Decachlorobiphen	1	20	21.8	109		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	21.0	105		60 (60)	140 (140)
		Decachlorobiphen	2	20	22.3	112		60 (60)	140 (140)
PB168906BL	PB168906BL	Tetrachloro-m-xyl	1	20	18.9	95		60 (60)	140 (140)
		Decachlorobiphen	1	20	20.9	104		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	20.0	100		60 (60)	140 (140)
		Decachlorobiphen	2	20	21.3	106		60 (60)	140 (140)
PB168906BS	PB168906BS	Tetrachloro-m-xyl	1	20	18.4	92		60 (60)	140 (140)
		Decachlorobiphen	1	20	20.1	100		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	19.6	98		60 (60)	140 (140)
		Decachlorobiphen	2	20	20.5	103		60 (60)	140 (140)
PB168906BSD	PB168906BSD	Tetrachloro-m-xyl	1	20	18.8	94		60 (60)	140 (140)
		Decachlorobiphen	1	20	20.5	103		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	20.1	101		60 (60)	140 (140)
		Decachlorobiphen	2	20	20.8	104		60 (60)	140 (140)
I.BLK-PD089580.D	PIBLK-PD089580.D	Tetrachloro-m-xyl	1	20	18.8	94		60 (60)	140 (140)
		Decachlorobiphen	1	20	20.9	104		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	20.6	103		60 (60)	140 (140)
		Decachlorobiphen	2	20	19.9	99		60 (60)	140 (140)
I.BLK-PD089637.D	PIBLK-PD089637.D	Tetrachloro-m-xyl	1	20	15.1	76		60 (60)	140 (140)
		Decachlorobiphen	1	20	17.9	90		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	14.6	73		60 (60)	140 (140)
		Decachlorobiphen	2	20	15.8	79		60 (60)	140 (140)
Q2594-01	CC-071325-RW	Tetrachloro-m-xyl	1	20	17.7	89		60 (60)	140 (140)
		Decachlorobiphen	1	20	13.8	69		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	18.7	93		60 (60)	140 (140)
		Decachlorobiphen	2	20	10.7	53	*	60 (60)	140 (140)
I.BLK-PD089650.D	PIBLK-PD089650.D	Tetrachloro-m-xyl	1	20	15.1	76		60 (60)	140 (140)
		Decachlorobiphen	1	20	16.1	80		60 (60)	140 (140)
		Tetrachloro-m-xyl	2	20	14.7	74		60 (60)	140 (140)
		Decachlorobiphen	2	20	13.1	66		60 (60)	140 (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.: Q2594 **Analytical Method:** 608.3 Pest

Client: Environmental Restoration, LLC **Datafile :** PD089577.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168906BS (Column 1)	alpha-BHC	0.0125	0.0097	ug/L	78				37 (37)	140 (140)	
	gamma-BHC (Lindane)	0.0125	0.010	ug/L	82				32 (32)	140 (140)	
	Heptachlor	0.0125	0.011	ug/L	84				34 (34)	140 (140)	
	Aldrin	0.0125	0.011	ug/L	86				42 (42)	140 (140)	
	beta-BHC	0.0125	0.012	ug/L	92				17 (17)	147 (147)	
	delta-BHC	0.0125	0.010	ug/L	80				19 (19)	140 (140)	
	Heptachlor epoxide	0.0125	0.011	ug/L	88				37 (37)	142 (142)	
	Endosulfan I	0.0125	0.011	ug/L	87				45 (45)	153 (153)	
	gamma-Chlordane	0.0125	0.011	ug/L	86				45 (45)	140 (140)	
	alpha-Chlordane	0.0125	0.011	ug/L	86				45 (45)	140 (140)	
	4,4'-DDE	0.0125	0.010	ug/L	83				30 (30)	145 (145)	
	Dieldrin	0.0125	0.011	ug/L	85				36 (36)	146 (146)	
	Endrin	0.0125	0.011	ug/L	85				30 (30)	147 (147)	
	Endosulfan II	0.0125	0.011	ug/L	91				1 (1)	202 (202)	
	4,4'-DDD	0.0125	0.011	ug/L	85				31 (31)	141 (141)	
	4,4'-DDT	0.0125	0.011	ug/L	86				25 (25)	160 (160)	
	Endrin aldehyde	0.0125	0.012	ug/L	94				38 (38)	141 (141)	
	Endosulfan sulfate	0.0125	0.011	ug/L	89				26 (26)	144 (144)	
	Methoxychlor	0.0125	0.012	ug/L	93				30 (30)	151 (151)	
	Endrin ketone	0.0125	0.011	ug/L	89				44 (44)	149 (149)	
PB168906BS (Column 2)	alpha-BHC	0.0125	0.012	ug/L	92				37 (37)	140 (140)	
	gamma-BHC (Lindane)	0.0125	0.012	ug/L	92				32 (32)	140 (140)	
	Heptachlor	0.0125	0.012	ug/L	95				34 (34)	140 (140)	
	Aldrin	0.0125	0.012	ug/L	94				42 (42)	140 (140)	
	beta-BHC	0.0125	0.012	ug/L	98				17 (17)	147 (147)	
	delta-BHC	0.0125	0.012	ug/L	94				19 (19)	140 (140)	
	Heptachlor epoxide	0.0125	0.012	ug/L	98				37 (37)	142 (142)	
	Endosulfan I	0.0125	0.012	ug/L	95				45 (45)	153 (153)	
	gamma-Chlordane	0.0125	0.012	ug/L	95				45 (45)	140 (140)	
	alpha-Chlordane	0.0125	0.012	ug/L	96				45 (45)	140 (140)	
	4,4'-DDE	0.0125	0.012	ug/L	95				30 (30)	145 (145)	
	Dieldrin	0.0125	0.012	ug/L	95				36 (36)	146 (146)	
	Endrin	0.0125	0.012	ug/L	96				30 (30)	147 (147)	
	Endosulfan II	0.0125	0.012	ug/L	98				1 (1)	202 (202)	
	4,4'-DDD	0.0125	0.012	ug/L	97				31 (31)	141 (141)	
	4,4'-DDT	0.0125	0.012	ug/L	94				25 (25)	160 (160)	
	Endrin aldehyde	0.0125	0.013	ug/L	102				38 (38)	141 (141)	
	Endosulfan sulfate	0.0125	0.012	ug/L	98				26 (26)	144 (144)	
	Methoxychlor	0.0125	0.012	ug/L	98				30 (30)	151 (151)	
	Endrin ketone	0.0125	0.012	ug/L	98				44 (44)	149 (149)	

( ) = 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.: Q2594 **Analytical Method:** 608.3 Pest

Client: Environmental Restoration, LLC **Datafile :** PD089578.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168906BSD (Column 1)	alpha-BHC	0.0125	0.010	ug/L	80	3			37 (37)	140 (140)	20 (20)
	gamma-BHC (Lindane)	0.0125	0.011	ug/L	84	2			32 (32)	140 (140)	20 (20)
	Heptachlor	0.0125	0.011	ug/L	86	2			34 (34)	140 (140)	20 (20)
	Aldrin	0.0125	0.011	ug/L	87	1			42 (42)	140 (140)	20 (20)
	beta-BHC	0.0125	0.012	ug/L	93	1			17 (17)	147 (147)	20 (20)
	delta-BHC	0.0125	0.010	ug/L	83	4			19 (19)	140 (140)	20 (20)
	Heptachlor epoxide	0.0125	0.011	ug/L	90	2			37 (37)	142 (142)	20 (20)
	Endosulfan I	0.0125	0.011	ug/L	89	2			45 (45)	153 (153)	20 (20)
	gamma-Chlordane	0.0125	0.011	ug/L	88	2			45 (45)	140 (140)	20 (20)
	alpha-Chlordane	0.0125	0.011	ug/L	89	3			45 (45)	140 (140)	20 (20)
	4,4'-DDE	0.0125	0.011	ug/L	86	4			30 (30)	145 (145)	20 (20)
	Dieldrin	0.0125	0.011	ug/L	87	2			36 (36)	146 (146)	20 (20)
	Endrin	0.0125	0.011	ug/L	87	2			30 (30)	147 (147)	20 (20)
	Endosulfan II	0.0125	0.011	ug/L	91	0			1 (1)	202 (202)	20 (20)
	4,4'-DDD	0.0125	0.011	ug/L	87	2			31 (31)	141 (141)	20 (20)
	4,4'-DDT	0.0125	0.011	ug/L	88	2			25 (25)	160 (160)	20 (20)
	Endrin aldehyde	0.0125	0.012	ug/L	96	2			38 (38)	141 (141)	20 (20)
	Endosulfan sulfate	0.0125	0.011	ug/L	91	2			26 (26)	144 (144)	20 (20)
	Methoxychlor	0.0125	0.012	ug/L	96	3			30 (30)	151 (151)	20 (20)
	Endrin ketone	0.0125	0.011	ug/L	91	2			44 (44)	149 (149)	20 (20)
PB168906BSD (Column 2)	alpha-BHC	0.0125	0.012	ug/L	94	2			37 (37)	140 (140)	20 (20)
	gamma-BHC (Lindane)	0.0125	0.012	ug/L	94	2			32 (32)	140 (140)	20 (20)
	Heptachlor	0.0125	0.012	ug/L	96	1			34 (34)	140 (140)	20 (20)
	Aldrin	0.0125	0.012	ug/L	95	1			42 (42)	140 (140)	20 (20)
	beta-BHC	0.0125	0.012	ug/L	98	0			17 (17)	147 (147)	20 (20)
	delta-BHC	0.0125	0.012	ug/L	96	2			19 (19)	140 (140)	20 (20)
	Heptachlor epoxide	0.0125	0.012	ug/L	98	0			37 (37)	142 (142)	20 (20)
	Endosulfan I	0.0125	0.012	ug/L	98	3			45 (45)	153 (153)	20 (20)
	gamma-Chlordane	0.0125	0.012	ug/L	98	3			45 (45)	140 (140)	20 (20)
	alpha-Chlordane	0.0125	0.012	ug/L	98	2			45 (45)	140 (140)	20 (20)
	4,4'-DDE	0.0125	0.012	ug/L	98	3			30 (30)	145 (145)	20 (20)
	Dieldrin	0.0125	0.012	ug/L	97	2			36 (36)	146 (146)	20 (20)
	Endrin	0.0125	0.012	ug/L	98	2			30 (30)	147 (147)	20 (20)
	Endosulfan II	0.0125	0.012	ug/L	99	1			1 (1)	202 (202)	20 (20)
	4,4'-DDD	0.0125	0.012	ug/L	98	1			31 (31)	141 (141)	20 (20)
	4,4'-DDT	0.0125	0.012	ug/L	97	3			25 (25)	160 (160)	20 (20)
	Endrin aldehyde	0.0125	0.013	ug/L	103	1			38 (38)	141 (141)	20 (20)
	Endosulfan sulfate	0.0125	0.012	ug/L	99	1			26 (26)	144 (144)	20 (20)
	Methoxychlor	0.0125	0.012	ug/L	99	1			30 (30)	151 (151)	20 (20)
	Endrin ketone	0.0125	0.013	ug/L	100	2			44 (44)	149 (149)	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: PB168906BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2594

Lab Sample ID: PB168906BL | Lab File ID: PD089576.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/17/2025

Date Analyzed (1): 07/22/2025 | Date Analyzed (2): 07/22/2025

Time Analyzed (1): 14:02 | Time Analyzed (2): 14:02

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

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
PB168906BS	PB168906BS	PD089577.D	07/22/2025	07/22/2025
PB168906BSD	PB168906BSD	PD089578.D	07/22/2025	07/22/2025
CC-071325-RW	Q2594-01	PD089640.D	07/28/2025	07/28/2025

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BL	SDG No.:	Q2594
Lab Sample ID:	PB168906BL	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089576.D	1	07/17/25 09:24	07/22/25 14:02	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.00040	U	0.00040	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.00030	U	0.00030	0.0050	ug/L
309-00-2	Aldrin	0.00040	U	0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.00050	U	0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.0011	U	0.0011	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.0010	U	0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.00030	U	0.00030	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.00040	U	0.00040	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.00040	U	0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.00040	U	0.00040	0.0050	ug/L
60-57-1	Dieldrin	0.00040	U	0.00040	0.0050	ug/L
72-20-8	Endrin	0.00030	U	0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.00080	U	0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.00070	U	0.00070	0.0050	ug/L
50-29-3	4,4-DDT	0.00040	U	0.00040	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.0011	U	0.0011	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.0011	U	0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.00090	U	0.00090	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		60 (60) - 140 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		60 (60) - 140 (140)	104%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BL	SDG No.:	Q2594
Lab Sample ID:	PB168906BL	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089576.D	1	07/17/25 09:24	07/22/25 14:02	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/21/25
Client Sample ID:	PIBLK-PD089537.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089537.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089537.D	1		07/21/25	PD072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		60 (60) - 140 (140)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 (60) - 140 (140)	103%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/21/25
Client Sample ID:	PIBLK-PD089537.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089537.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089537.D	1		07/21/25	PD072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/22/25
Client Sample ID:	PIBLK-PD089574.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089574.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089574.D	1		07/22/25	pd072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		60 (60) - 140 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		60 (60) - 140 (140)	109%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/22/25
Client Sample ID:	PIBLK-PD089574.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089574.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089574.D	1		07/22/25	pd072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/22/25
Client Sample ID:	PIBLK-PD089580.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089580.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089580.D	1		07/22/25	pd072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		60 (60) - 140 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		60 (60) - 140 (140)	99%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/22/25
Client Sample ID:	PIBLK-PD089580.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089580.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089580.D	1		07/22/25	pd072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/28/25
Client Sample ID:	PIBLK-PD089637.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089637.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089637.D	1		07/28/25	pd072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.6		60 (60) - 140 (140)	73%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 (60) - 140 (140)	79%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/28/25
Client Sample ID:	PIBLK-PD089637.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089637.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089637.D	1		07/28/25	pd072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/28/25
Client Sample ID:	PIBLK-PD089650.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089650.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089650.D	1		07/28/25	pd072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.7		60 (60) - 140 (140)	74%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.1		60 (60) - 140 (140)	66%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/28/25
Client Sample ID:	PIBLK-PD089650.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PD089650.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089650.D	1		07/28/25	pd072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BS	SDG No.:	Q2594
Lab Sample ID:	PB168906BS	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089577.D	1	07/17/25 09:24	07/22/25 14:16	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0097		0.00040	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010		0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.011		0.00030	0.0050	ug/L
309-00-2	Aldrin	0.011		0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.012		0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.010		0.0011	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.011		0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.011		0.00030	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.011		0.00040	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.011		0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.010		0.00040	0.0050	ug/L
60-57-1	Dieldrin	0.011		0.00040	0.0050	ug/L
72-20-8	Endrin	0.011		0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.011		0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.011		0.00070	0.0050	ug/L
50-29-3	4,4-DDT	0.011		0.00040	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.012		0.0011	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.011		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.012		0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.011		0.00090	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		60 (60) - 140 (140)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 (60) - 140 (140)	100%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BS	SDG No.:	Q2594
Lab Sample ID:	PB168906BS	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089577.D	1	07/17/25 09:24	07/22/25 14:16	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BSD	SDG No.:	Q2594
Lab Sample ID:	PB168906BSD	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089578.D	1	07/17/25 09:24	07/22/25 14:42	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.010		0.00040	0.0050	ug/L
58-89-9	gamma-BHC (Lindane)	0.011		0.00040	0.0050	ug/L
76-44-8	Heptachlor	0.011		0.00030	0.0050	ug/L
309-00-2	Aldrin	0.011		0.00040	0.0050	ug/L
319-85-7	beta-BHC	0.012		0.00050	0.0050	ug/L
319-86-8	delta-BHC	0.010		0.0011	0.0050	ug/L
1024-57-3	Heptachlor epoxide	0.011		0.0010	0.0050	ug/L
959-98-8	Endosulfan I	0.011		0.00030	0.0050	ug/L
5103-74-2	gamma-Chlordane	0.011		0.00040	0.0050	ug/L
5103-71-9	alpha-Chlordane	0.011		0.00040	0.0050	ug/L
72-55-9	4,4-DDE	0.011		0.00040	0.0050	ug/L
60-57-1	Dieldrin	0.011		0.00040	0.0050	ug/L
72-20-8	Endrin	0.011		0.00030	0.0050	ug/L
33213-65-9	Endosulfan II	0.011		0.00080	0.0050	ug/L
72-54-8	4,4-DDD	0.011		0.00070	0.0050	ug/L
50-29-3	4,4-DDT	0.011		0.00040	0.0050	ug/L
7421-93-4	Endrin aldehyde	0.012		0.0011	0.0050	ug/L
1031-07-8	Endosulfan Sulfate	0.011		0.00040	0.0050	ug/L
72-43-5	Methoxychlor	0.012		0.0011	0.0050	ug/L
53494-70-5	Endrin ketone	0.011		0.00090	0.0050	ug/L
8001-35-2	Toxaphene	0.017	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		60 (60) - 140 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 (60) - 140 (140)	103%	SPK: 20

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168906BSD	SDG No.:	Q2594
Lab Sample ID:	PB168906BSD	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089578.D	1	07/17/25 09:24	07/22/25 14:42	PB168906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: ENVI60
SDG NO.: Q2594
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089540.D RT 075 = PD089541.D
RT 050 = PD089542.D RT 025 = PD089543.D RT 005 = PD089544.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.02	6.03	6.03	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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_D
Contract: ENVI60
SDG NO.: Q2594
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD089540.D RT 075 = PD089541.D
RT 050 = PD089542.D RT 025 = PD089543.D RT 005 = PD089544.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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_D

Contract: ENVI60
SDG NO.: Q2594
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD089540.D **CF 075 =** PD089541.D
CF 050 = PD089542.D **CF 025 =** PD089543.D **CF 005 =** PD089544.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3546710000	3306670000	3337750000	3274140000	3478430000	3388740000	3
4,4'-DDE	4522260000	4248340000	4241950000	4132450000	4324040000	4293810000	3
4,4'-DDT	3930390000	3708100000	3732720000	3663210000	3830280000	3772940000	3
Aldrin	5474110000	5165420000	5201760000	5043040000	5280270000	5232920000	3
alpha-BHC	6211010000	5830300000	5793630000	5432690000	5280340000	5709590000	6
alpha-Chlordane	4847780000	4605370000	4657210000	4635850000	5087200000	4766680000	4
beta-BHC	2104050000	2031110000	2103860000	2139440000	2402280000	2156150000	7
Decachlorobiphenyl	3778830000	3726250000	3920080000	4172650000	4937350000	4107030000	12
delta-BHC	5702740000	5351530000	5333270000	5028430000	5009830000	5285160000	5
Dieldrin	4895070000	4635810000	4672490000	4574920000	4825060000	4720670000	3
Endosulfan I	4479840000	4272380000	4352050000	4341650000	4782350000	4445650000	5
Endosulfan II	4043580000	3846170000	3940370000	3970080000	4544370000	4068910000	7
Endosulfan sulfate	3744900000	3585230000	3667920000	3719370000	4153480000	3774180000	6
Endrin	4220470000	3970910000	4009040000	3935340000	4227020000	4072560000	3
Endrin aldehyde	2828430000	2731560000	2809060000	2899180000	3309830000	2915610000	8
Endrin ketone	4022640000	3858210000	3937060000	3969130000	4334240000	4024260000	5
gamma-BHC (Lindane)	5831570000	5501940000	5515460000	5260670000	5477580000	5517450000	4
gamma-Chlordane	4888600000	4651540000	4660300000	4590900000	4913850000	4741040000	3
Heptachlor	5683730000	5375760000	5408440000	5254920000	5546500000	5453870000	3
Heptachlor epoxide	4774830000	4538910000	4623950000	4578050000	5102280000	4723600000	5
Methoxychlor	1928970000	1871790000	1948840000	2024640000	2250230000	2004890000	7
Tetrachloro-m-xylene	2861200000	2751560000	2837820000	2840900000	3115350000	2881370000	5

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_D

Contract: ENVI60
SDG NO.: Q2594
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD089540.D **CF 075 =** PD089541.D
CF 050 = PD089542.D **CF 025 =** PD089543.D **CF 005 =** PD089544.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	20477600000	20255800000	21091400000	22179700000	25604900000	21921900000	10
4,4'-DDE	24569100000	24207200000	25320900000	26478800000	30705400000	26256200000	10
4,4'-DDT	22316700000	22065900000	22865900000	23799600000	25987600000	23407100000	7
Aldrin	25825700000	25415900000	26660900000	27560900000	31468400000	27386400000	9
alpha-BHC	28631100000	28136600000	29329200000	29877800000	34249100000	30044800000	8
alpha-Chlordane	24083300000	23760200000	24855100000	25980200000	30282000000	25792200000	10
beta-BHC	11020300000	10942900000	11533600000	12035800000	13980700000	11902700000	10
Decachlorobiphenyl	22483400000	22341200000	23337400000	24766100000	29913700000	24568400000	13
delta-BHC	26556500000	26106300000	27254800000	27875100000	31688500000	27896200000	8
Dieldrin	24513400000	24260900000	25547300000	26668700000	31143400000	26426700000	11
Endosulfan I	21703200000	21774700000	22892800000	24109100000	28250500000	23746000000	11
Endosulfan II	21105100000	21003800000	22069300000	23384500000	27278000000	22968100000	11
Endosulfan sulfate	20342700000	20429000000	21246000000	22686800000	26285700000	22198000000	11
Endrin	22221400000	22119900000	23268200000	24542100000	28755900000	24181500000	11
Endrin aldehyde	15031000000	15069000000	15779800000	16936900000	20170600000	16597500000	13
Endrin ketone	22291500000	22370000000	23425000000	25122500000	29235500000	24488900000	12
gamma-BHC (Lindane)	26417200000	26004200000	27090700000	27637900000	31661500000	27762300000	8
gamma-Chlordane	25118500000	24724000000	25810900000	26855300000	31254900000	26752700000	10
Heptachlor	26144800000	25924100000	27192000000	28328900000	32502000000	28018400000	10
Heptachlor epoxide	22879600000	22776700000	24015400000	25146900000	29489500000	24861600000	11
Methoxychlor	10964900000	11074700000	11733900000	12584100000	14602000000	12191900000	12
Tetrachloro-m-xylene	18220100000	18058900000	18987900000	19622400000	22941400000	19566100000	10

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.:** Q2594

Instrument ID: ECD_D **Date(s) Analyzed:** 07/21/2025 07/21/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	38650400
		2	6.44	6.34	6.54	53066200
		3	7.15	7.05	7.25	100896000
		4	7.56	7.46	7.66	131991000
		5	7.93	7.83	8.03	73924900

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.:** Q2594

Instrument ID: ECD_D **Date(s) Analyzed:** 07/21/2025 07/21/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	200100000
		2	5.64	5.54	5.74	130237000
		3	6.75	6.65	6.85	667274000
		4	7.20	7.10	7.30	456670000
		5	7.33	7.23	7.43	342929000

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.:** Q2594

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 13:31 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-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.:** Q2594

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 13:31 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089575.D **Time Analyzed:** 13:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.603	6.803	51.480	50.000	3.0
4,4'-DDE	6.200	6.094	6.294	50.270	50.000	0.5
4,4'-DDT	7.025	6.919	7.119	50.950	50.000	1.9
Aldrin	5.276	5.169	5.369	50.960	50.000	1.9
alpha-BHC	4.004	3.898	4.098	51.480	50.000	3.0
alpha-Chlordane	6.031	5.924	6.124	50.350	50.000	0.7
beta-BHC	4.521	4.414	4.614	49.790	50.000	-0.4
Decachlorobiphenyl	9.076	8.971	9.171	49.360	50.000	-1.3
delta-BHC	4.769	4.663	4.863	51.170	50.000	2.3
Dieldrin	6.351	6.245	6.445	51.070	50.000	2.1
Endosulfan I	6.078	5.972	6.172	50.430	50.000	0.9
Endosulfan II	6.790	6.684	6.884	47.090	50.000	-5.8
Endosulfan sulfate	7.153	7.047	7.247	50.220	50.000	0.4
Endrin	6.578	6.472	6.672	50.990	50.000	2.0
Endrin aldehyde	6.919	6.813	7.013	51.410	50.000	2.8
Endrin ketone	7.634	7.528	7.728	50.550	50.000	1.1
gamma-BHC (Lindane)	4.335	4.228	4.428	51.470	50.000	2.9
gamma-Chlordane	5.950	5.844	6.044	49.670	50.000	-0.7
Heptachlor	4.933	4.827	5.027	51.230	50.000	2.5
Heptachlor epoxide	5.695	5.588	5.788	50.270	50.000	0.5
Methoxychlor	7.497	7.392	7.592	49.720	50.000	-0.6
Tetrachloro-m-xylene	3.554	3.448	3.648	49.540	50.000	-0.9

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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089575.D **Time Analyzed:** 13:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.827	6.027	50.310	50.000	0.6
4,4'-DDE	5.373	5.272	5.472	50.280	50.000	0.6
4,4'-DDT	6.181	6.081	6.281	50.920	50.000	1.8
Aldrin	4.367	4.266	4.466	50.870	50.000	1.7
alpha-BHC	3.391	3.291	3.491	51.030	50.000	2.1
alpha-Chlordane	5.189	5.087	5.287	50.420	50.000	0.8
beta-BHC	4.023	3.923	4.123	50.140	50.000	0.3
Decachlorobiphenyl	8.070	7.970	8.170	50.950	50.000	1.9
delta-BHC	4.261	4.160	4.360	51.080	50.000	2.2
Dieldrin	5.511	5.410	5.610	50.780	50.000	1.6
Endosulfan I	5.245	5.144	5.344	49.270	50.000	-1.5
Endosulfan II	6.079	5.978	6.178	50.290	50.000	0.6
Endosulfan sulfate	6.480	6.379	6.579	50.620	50.000	1.2
Endrin	5.788	5.687	5.887	53.120	50.000	6.2
Endrin aldehyde	6.256	6.156	6.356	51.920	50.000	3.8
Endrin ketone	6.990	6.889	7.089	49.630	50.000	-0.7
gamma-BHC (Lindane)	3.728	3.627	3.827	50.930	50.000	1.9
gamma-Chlordane	5.124	5.023	5.223	50.540	50.000	1.1
Heptachlor	4.081	3.980	4.180	50.660	50.000	1.3
Heptachlor epoxide	4.871	4.770	4.970	50.600	50.000	1.2
Methoxychlor	6.752	6.651	6.851	50.350	50.000	0.7
Tetrachloro-m-xylene	2.879	2.779	2.979	50.720	50.000	1.4

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.:** Q2594

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	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.:** Q2594

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089581.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.603	6.803	46.670	50.000	-6.7
4,4'-DDE	6.194	6.094	6.294	46.890	50.000	-6.2
4,4'-DDT	7.019	6.919	7.119	47.240	50.000	-5.5
Aldrin	5.269	5.169	5.369	47.730	50.000	-4.5
alpha-BHC	3.998	3.898	4.098	48.880	50.000	-2.2
alpha-Chlordane	6.025	5.924	6.124	46.810	50.000	-6.4
beta-BHC	4.514	4.414	4.614	47.030	50.000	-5.9
Decachlorobiphenyl	9.070	8.971	9.171	43.940	50.000	-12.1
delta-BHC	4.762	4.663	4.863	48.930	50.000	-2.1
Dieldrin	6.345	6.245	6.445	47.100	50.000	-5.8
Endosulfan I	6.072	5.972	6.172	46.700	50.000	-6.6
Endosulfan II	6.784	6.684	6.884	45.180	50.000	-9.6
Endosulfan sulfate	7.148	7.047	7.247	45.890	50.000	-8.2
Endrin	6.572	6.472	6.672	46.390	50.000	-7.2
Endrin aldehyde	6.913	6.813	7.013	45.890	50.000	-8.2
Endrin ketone	7.628	7.528	7.728	46.700	50.000	-6.6
gamma-BHC (Lindane)	4.328	4.228	4.428	48.130	50.000	-3.7
gamma-Chlordane	5.944	5.844	6.044	47.190	50.000	-5.6
Heptachlor	4.927	4.827	5.027	48.270	50.000	-3.5
Heptachlor epoxide	5.689	5.588	5.788	47.020	50.000	-6.0
Methoxychlor	7.491	7.392	7.592	44.600	50.000	-10.8
Tetrachloro-m-xylene	3.548	3.448	3.648	47.260	50.000	-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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089581.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.926	5.827	6.027	46.820	50.000	-6.4
4,4'-DDE	5.371	5.272	5.472	47.200	50.000	-5.6
4,4'-DDT	6.179	6.081	6.281	46.960	50.000	-6.1
Aldrin	4.365	4.266	4.466	48.080	50.000	-3.8
alpha-BHC	3.390	3.291	3.491	48.180	50.000	-3.6
alpha-Chlordane	5.187	5.087	5.287	47.310	50.000	-5.4
beta-BHC	4.022	3.923	4.123	47.830	50.000	-4.3
Decachlorobiphenyl	8.068	7.970	8.170	45.040	50.000	-9.9
delta-BHC	4.259	4.160	4.360	48.410	50.000	-3.2
Dieldrin	5.509	5.410	5.610	47.280	50.000	-5.4
Endosulfan I	5.244	5.144	5.344	47.290	50.000	-5.4
Endosulfan II	6.077	5.978	6.178	46.740	50.000	-6.5
Endosulfan sulfate	6.478	6.379	6.579	46.510	50.000	-7.0
Endrin	5.785	5.687	5.887	47.430	50.000	-5.1
Endrin aldehyde	6.255	6.156	6.356	46.980	50.000	-6.0
Endrin ketone	6.987	6.889	7.089	46.490	50.000	-7.0
gamma-BHC (Lindane)	3.726	3.627	3.827	48.220	50.000	-3.6
gamma-Chlordane	5.122	5.023	5.223	47.400	50.000	-5.2
Heptachlor	4.079	3.980	4.180	48.100	50.000	-3.8
Heptachlor epoxide	4.869	4.770	4.970	47.720	50.000	-4.6
Methoxychlor	6.750	6.651	6.851	45.930	50.000	-8.1
Tetrachloro-m-xylene	2.878	2.779	2.979	47.620	50.000	-4.8

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.:** Q2594

Continuing Calib Date: 07/28/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-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.:** Q2594

Continuing Calib Date: 07/28/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 11:28 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089639.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.603	6.803	53.750	50.000	7.5
4,4'-DDE	6.201	6.094	6.294	53.020	50.000	6.0
4,4'-DDT	7.027	6.919	7.119	53.510	50.000	7.0
Aldrin	5.276	5.169	5.369	52.530	50.000	5.1
alpha-BHC	4.005	3.898	4.098	53.180	50.000	6.4
alpha-Chlordane	6.032	5.924	6.124	52.280	50.000	4.6
beta-BHC	4.522	4.414	4.614	50.240	50.000	0.5
Decachlorobiphenyl	9.078	8.971	9.171	55.950	50.000	11.9
delta-BHC	4.770	4.663	4.863	52.780	50.000	5.6
Dieldrin	6.352	6.245	6.445	53.820	50.000	7.6
Endosulfan I	6.079	5.972	6.172	52.820	50.000	5.6
Endosulfan II	6.792	6.684	6.884	52.560	50.000	5.1
Endosulfan sulfate	7.155	7.047	7.247	54.310	50.000	8.6
Endrin	6.580	6.472	6.672	53.820	50.000	7.6
Endrin aldehyde	6.920	6.813	7.013	49.130	50.000	-1.7
Endrin ketone	7.636	7.528	7.728	55.050	50.000	10.1
gamma-BHC (Lindane)	4.335	4.228	4.428	52.120	50.000	4.2
gamma-Chlordane	5.951	5.844	6.044	52.550	50.000	5.1
Heptachlor	4.934	4.827	5.027	51.550	50.000	3.1
Heptachlor epoxide	5.696	5.588	5.788	52.170	50.000	4.3
Methoxychlor	7.499	7.392	7.592	52.030	50.000	4.1
Tetrachloro-m-xylene	3.555	3.448	3.648	51.540	50.000	3.1

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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089639.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.827	6.027	44.990	50.000	-10.0
4,4'-DDE	5.373	5.272	5.472	46.060	50.000	-7.9
4,4'-DDT	6.182	6.081	6.281	46.110	50.000	-7.8
Aldrin	4.367	4.266	4.466	46.640	50.000	-6.7
alpha-BHC	3.391	3.291	3.491	46.840	50.000	-6.3
alpha-Chlordane	5.188	5.087	5.287	46.240	50.000	-7.5
beta-BHC	4.024	3.923	4.123	46.280	50.000	-7.4
Decachlorobiphenyl	8.070	7.970	8.170	48.670	50.000	-2.7
delta-BHC	4.261	4.160	4.360	46.780	50.000	-6.4
Dieldrin	5.511	5.410	5.610	46.350	50.000	-7.3
Endosulfan I	5.245	5.144	5.344	46.570	50.000	-6.9
Endosulfan II	6.079	5.978	6.178	46.840	50.000	-6.3
Endosulfan sulfate	6.481	6.379	6.579	47.140	50.000	-5.7
Endrin	5.787	5.687	5.887	46.060	50.000	-7.9
Endrin aldehyde	6.258	6.156	6.356	42.870	50.000	-14.3
Endrin ketone	6.990	6.889	7.089	46.550	50.000	-6.9
gamma-BHC (Lindane)	3.727	3.627	3.827	46.790	50.000	-6.4
gamma-Chlordane	5.124	5.023	5.223	46.510	50.000	-7.0
Heptachlor	4.081	3.980	4.180	45.490	50.000	-9.0
Heptachlor epoxide	4.871	4.770	4.970	47.190	50.000	-5.6
Methoxychlor	6.752	6.651	6.851	42.960	50.000	-14.1
Tetrachloro-m-xylene	2.878	2.779	2.979	47.160	50.000	-5.7

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.:** Q2594

Continuing Calib Date: 07/28/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:21 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-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.:** Q2594

Continuing Calib Date: 07/28/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:21 **Initial Calibration Time(s):** 12:49 13:44

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089651.D **Time Analyzed:** 15:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.603	6.803	51.540	50.000	3.1
4,4'-DDE	6.195	6.094	6.294	51.200	50.000	2.4
4,4'-DDT	7.020	6.919	7.119	49.870	50.000	-0.3
Aldrin	5.271	5.169	5.369	52.380	50.000	4.8
alpha-BHC	3.999	3.898	4.098	53.220	50.000	6.4
alpha-Chlordane	6.026	5.924	6.124	51.300	50.000	2.6
beta-BHC	4.516	4.414	4.614	50.490	50.000	1.0
Decachlorobiphenyl	9.071	8.971	9.171	51.980	50.000	4.0
delta-BHC	4.764	4.663	4.863	53.030	50.000	6.1
Dieldrin	6.346	6.245	6.445	52.540	50.000	5.1
Endosulfan I	6.074	5.972	6.172	51.860	50.000	3.7
Endosulfan II	6.785	6.684	6.884	50.980	50.000	2.0
Endosulfan sulfate	7.149	7.047	7.247	51.410	50.000	2.8
Endrin	6.573	6.472	6.672	51.930	50.000	3.9
Endrin aldehyde	6.914	6.813	7.013	48.560	50.000	-2.9
Endrin ketone	7.629	7.528	7.728	51.850	50.000	3.7
gamma-BHC (Lindane)	4.330	4.228	4.428	52.190	50.000	4.4
gamma-Chlordane	5.945	5.844	6.044	52.000	50.000	4.0
Heptachlor	4.929	4.827	5.027	50.800	50.000	1.6
Heptachlor epoxide	5.690	5.588	5.788	51.520	50.000	3.0
Methoxychlor	7.492	7.392	7.592	46.600	50.000	-6.8
Tetrachloro-m-xylene	3.550	3.448	3.648	51.610	50.000	3.2

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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089651.D **Time Analyzed:** 15:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.827	6.027	44.070	50.000	-11.9
4,4'-DDE	5.372	5.272	5.472	45.100	50.000	-9.8
4,4'-DDT	6.180	6.081	6.281	42.630	50.000	-14.7
Aldrin	4.366	4.266	4.466	46.860	50.000	-6.3
alpha-BHC	3.392	3.291	3.491	47.080	50.000	-5.8
alpha-Chlordane	5.188	5.087	5.287	45.580	50.000	-8.8
beta-BHC	4.023	3.923	4.123	46.890	50.000	-6.2
Decachlorobiphenyl	8.069	7.970	8.170	42.740	50.000	-14.5
delta-BHC	4.260	4.160	4.360	47.110	50.000	-5.8
Dieldrin	5.510	5.410	5.610	45.800	50.000	-8.4
Endosulfan I	5.244	5.144	5.344	45.890	50.000	-8.2
Endosulfan II	6.078	5.978	6.178	44.850	50.000	-10.3
Endosulfan sulfate	6.479	6.379	6.579	44.550	50.000	-10.9
Endrin	5.786	5.687	5.887	45.610	50.000	-8.8
Endrin aldehyde	6.256	6.156	6.356	42.660	50.000	-14.7
Endrin ketone	6.988	6.889	7.089	43.070	50.000	-13.9
gamma-BHC (Lindane)	3.728	3.627	3.827	47.150	50.000	-5.7
gamma-Chlordane	5.123	5.023	5.223	45.990	50.000	-8.0
Heptachlor	4.081	3.980	4.180	45.840	50.000	-8.3
Heptachlor epoxide	4.870	4.770	4.970	46.840	50.000	-6.3
Methoxychlor	6.751	6.651	6.851	40.900	50.000	-18.2
Tetrachloro-m-xylene	2.880	2.779	2.979	47.440	50.000	-5.1

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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.072	8.970	9.170	19.790	20.000	-1.1
Tetrachloro-m-xylene	3.548	3.500	3.600	18.520	20.000	-7.4
alpha-BHC	3.997	3.950	4.050	8.840	10.000	-11.6
beta-BHC	4.514	4.460	4.560	9.740	10.000	-2.6
gamma-BHC (Lindane)	4.328	4.280	4.380	9.170	10.000	-8.3
Endrin	6.573	6.500	6.640	47.840	50.000	-4.3
4,4'-DDT	7.020	6.950	7.090	95.200	100.000	-4.8
Methoxychlor	7.492	7.420	7.560	219.620	250.000	-12.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.069	7.970	8.170	19.600	20.000	-2.0
Tetrachloro-m-xylene	2.879	2.830	2.930	19.070	20.000	-4.7
alpha-BHC	3.391	3.340	3.440	10.560	10.000	5.6
beta-BHC	4.023	3.970	4.070	10.500	10.000	5.0
gamma-BHC (Lindane)	3.727	3.680	3.780	10.200	10.000	2.0
Endrin	5.787	5.720	5.860	46.920	50.000	-6.2
4,4'-DDT	6.181	6.110	6.250	91.020	100.000	-9.0
Methoxychlor	6.751	6.680	6.820	188.630	250.000	-24.5

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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089560.D **Date Analyzed:** 07/22/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	20.110	20.000	0.6
Tetrachloro-m-xylene	3.548	3.500	3.600	18.780	20.000	-6.1
alpha-BHC	3.997	3.950	4.050	9.010	10.000	-9.9
beta-BHC	4.513	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.328	4.280	4.380	9.400	10.000	-6.0
Endrin	6.571	6.500	6.640	48.730	50.000	-2.5
4,4'-DDT	7.018	6.950	7.090	96.620	100.000	-3.4
Methoxychlor	7.490	7.420	7.560	222.920	250.000	-10.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089560.D **Date Analyzed:** 07/22/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	20.310	20.000	1.6
Tetrachloro-m-xylene	2.878	2.830	2.930	19.870	20.000	-0.7
alpha-BHC	3.390	3.340	3.440	10.660	10.000	6.6
beta-BHC	4.022	3.970	4.070	10.680	10.000	6.8
gamma-BHC (Lindane)	3.726	3.680	3.780	10.580	10.000	5.8
Endrin	5.785	5.710	5.860	47.920	50.000	-4.2
4,4'-DDT	6.180	6.110	6.250	93.370	100.000	-6.6
Methoxychlor	6.750	6.680	6.820	185.170	250.000	-25.9

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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089638.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.970	9.170	18.750	20.000	-6.3
Tetrachloro-m-xylene	3.550	3.500	3.600	16.250	20.000	-18.8
alpha-BHC	3.999	3.950	4.050	7.630	10.000	-23.7
beta-BHC	4.516	4.470	4.570	8.510	10.000	-14.9
gamma-BHC (Lindane)	4.329	4.280	4.380	7.990	10.000	-20.1
Endrin	6.574	6.500	6.640	44.140	50.000	-11.7
4,4'-DDT	7.021	6.950	7.090	89.570	100.000	-10.4
Methoxychlor	7.493	7.420	7.560	212.410	250.000	-15.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089638.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.069	7.970	8.170	17.000	20.000	-15.0
Tetrachloro-m-xylene	2.879	2.830	2.930	15.920	20.000	-20.4
alpha-BHC	3.391	3.340	3.440	8.480	10.000	-15.2
beta-BHC	4.023	3.970	4.070	8.670	10.000	-13.3
gamma-BHC (Lindane)	3.727	3.680	3.780	8.520	10.000	-14.8
Endrin	5.786	5.720	5.860	38.060	50.000	-23.9
4,4'-DDT	6.181	6.110	6.250	73.380	100.000	-26.6
Methoxychlor	6.751	6.680	6.820	141.950	250.000	-43.2

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2594

Project: Cooper Chemical - Long Valley NJ 2-COOP- **Instrument ID:** ECD_D

GC Column: ZB-MR1 **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	DCB RT #	TCX RT #
I.BLK	I.BLK	07/21/2025	12:08	PD089537.D	9.07	3.55
PEM	PEM	07/21/2025	12:22	PD089538.D	9.07	3.55
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	9.07	3.55
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	9.07	3.55
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	9.07	3.55
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	9.07	3.55
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	9.07	3.55
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	9.07	3.55
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	9.07	3.55
PEM	PEM	07/22/2025	08:46	PD089560.D	9.07	3.55
I.BLK	I.BLK	07/22/2025	12:56	PD089574.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/22/2025	13:31	PD089575.D	9.08	3.55
PB168906BL	PB168906BL	07/22/2025	14:02	PD089576.D	9.07	3.55
PB168906BS	PB168906BS	07/22/2025	14:16	PD089577.D	9.07	3.55
PB168906BSD	PB168906BSD	07/22/2025	14:42	PD089578.D	9.08	3.56
I.BLK	I.BLK	07/22/2025	15:36	PD089580.D	9.08	3.56
PSTDCCC050	PSTDCCC050	07/22/2025	15:49	PD089581.D	9.07	3.55
I.BLK	I.BLK	07/28/2025	09:53	PD089637.D	9.07	3.55
PEM	PEM	07/28/2025	10:07	PD089638.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/28/2025	11:28	PD089639.D	9.08	3.56
CC-071325-RW	Q2594-01	07/28/2025	11:48	PD089640.D	9.08	3.56
I.BLK	I.BLK	07/28/2025	15:07	PD089650.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/28/2025	15:21	PD089651.D	9.07	3.55

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

Analytical Sequence

Client: Environmental Restoration, LLC **SDG No.:** Q2594

Project: Cooper Chemical - Long Valley NJ 2-COOP- **Instrument ID:** ECD_D

GC Column: ZB-MR2 **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	DCB RT #	TCX RT #
I.BLK	I.BLK	07/21/2025	12:08	PD089537.D	8.07	2.88
PEM	PEM	07/21/2025	12:22	PD089538.D	8.07	2.88
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	8.07	2.88
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	8.07	2.88
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	8.07	2.88
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	8.07	2.88
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	8.07	2.88
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	8.07	2.88
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	8.07	2.88
PEM	PEM	07/22/2025	08:46	PD089560.D	8.07	2.88
I.BLK	I.BLK	07/22/2025	12:56	PD089574.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/22/2025	13:31	PD089575.D	8.07	2.88
PB168906BL	PB168906BL	07/22/2025	14:02	PD089576.D	8.07	2.88
PB168906BS	PB168906BS	07/22/2025	14:16	PD089577.D	8.07	2.88
PB168906BSD	PB168906BSD	07/22/2025	14:42	PD089578.D	8.07	2.88
I.BLK	I.BLK	07/22/2025	15:36	PD089580.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/22/2025	15:49	PD089581.D	8.07	2.88
I.BLK	I.BLK	07/28/2025	09:53	PD089637.D	8.07	2.88
PEM	PEM	07/28/2025	10:07	PD089638.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/28/2025	11:28	PD089639.D	8.07	2.88
CC-071325-RW	Q2594-01	07/28/2025	11:48	PD089640.D	8.07	2.88
I.BLK	I.BLK	07/28/2025	15:07	PD089650.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/28/2025	15:21	PD089651.D	8.07	2.88

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC-071325-RW

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Lab Sample ID: Q2594-01 **Date(s) Analyzed:** 07/28/2025 07/28/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

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
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.0031	17.6
	2	3.73	3.68	3.78	0.0037	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168906BS

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Lab Sample ID: PB168906BS **Date(s) Analyzed:** 07/22/2025 07/22/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

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
alpha-BHC	1	4.00	3.95	4.05	0.0097	17
	2	3.39	3.34	3.44	0.012	
Aldrin	1	5.27	5.22	5.32	0.011	8.9
	2	4.37	4.32	4.42	0.012	
beta-BHC	1	4.51	4.46	4.56	0.012	5.9
	2	4.02	3.97	4.07	0.012	
4,4'-DDE	1	6.19	6.14	6.24	0.010	13.5
	2	5.37	5.32	5.42	0.012	
4,4'-DDD	1	6.70	6.65	6.75	0.011	13.2
	2	5.93	5.88	5.98	0.012	
4,4'-DDT	1	7.02	6.97	7.07	0.011	9.8
	2	6.18	6.13	6.23	0.012	
alpha-Chlordane	1	6.02	5.97	6.07	0.011	10.5
	2	5.19	5.14	5.24	0.012	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.010	12
	2	3.73	3.68	3.78	0.012	
Heptachlor	1	4.93	4.88	4.98	0.011	12.5
	2	4.08	4.03	4.13	0.012	
delta-BHC	1	4.76	4.71	4.81	0.010	16.5
	2	4.26	4.21	4.31	0.012	
Heptachlor epoxide	1	5.69	5.64	5.74	0.011	10.3
	2	4.87	4.82	4.92	0.012	
Endosulfan I	1	6.07	6.02	6.12	0.011	8.8
	2	5.24	5.19	5.29	0.012	
Dieldrin	1	6.34	6.29	6.39	0.011	11.6
	2	5.51	5.46	5.56	0.012	
Endrin	1	6.57	6.52	6.62	0.011	12.4
	2	5.79	5.74	5.84	0.012	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168906BS

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Lab Sample ID: PB168906BS **Date(s) Analyzed:** 07/22/2025 07/22/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

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
Endosulfan II	1	6.78	6.73	6.83	0.011	7.6
	2	6.08	6.03	6.13	0.012	
Endrin aldehyde	1	6.91	6.86	6.96	0.012	7.3
	2	6.26	6.21	6.31	0.013	
Endosulfan sulfate	1	7.15	7.10	7.20	0.011	10.3
	2	6.48	6.43	6.53	0.012	
Methoxychlor	1	7.49	7.44	7.54	0.012	5
	2	6.75	6.70	6.80	0.012	
Endrin ketone	1	7.63	7.58	7.68	0.011	9.4
	2	6.99	6.94	7.04	0.012	
gamma-Chlordane	1	5.94	5.89	5.99	0.011	10.6
	2	5.12	5.07	5.17	0.012	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168906BSD

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Lab Sample ID: PB168906BSD **Date(s) Analyzed:** 07/22/2025 07/22/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

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
alpha-BHC	1	4.00	3.95	4.05	0.010	16.5
	2	3.39	3.34	3.44	0.012	
Aldrin	1	5.28	5.23	5.33	0.011	8.8
	2	4.37	4.32	4.42	0.012	
beta-BHC	1	4.52	4.47	4.57	0.012	5.9
	2	4.02	3.97	4.07	0.012	
delta-BHC	1	4.77	4.72	4.82	0.010	14.3
	2	4.26	4.21	4.31	0.012	
Endosulfan I	1	6.08	6.03	6.13	0.011	9.4
	2	5.24	5.19	5.29	0.012	
4,4'-DDE	1	6.20	6.15	6.25	0.011	13.1
	2	5.37	5.32	5.42	0.012	
Dieldrin	1	6.35	6.30	6.40	0.011	10.4
	2	5.51	5.46	5.56	0.012	
Endrin	1	6.58	6.53	6.63	0.011	11.3
	2	5.79	5.74	5.84	0.012	
Endosulfan II	1	6.79	6.74	6.84	0.011	8.4
	2	6.08	6.03	6.13	0.012	
4,4'-DDD	1	6.71	6.66	6.76	0.011	12.1
	2	5.93	5.88	5.98	0.012	
4,4'-DDT	1	7.03	6.98	7.08	0.011	9.5
	2	6.18	6.13	6.23	0.012	
Endrin aldehyde	1	6.92	6.87	6.97	0.012	7.2
	2	6.26	6.21	6.31	0.013	
Endosulfan sulfate	1	7.15	7.10	7.20	0.011	8.4
	2	6.48	6.43	6.53	0.012	
alpha-Chlordane	1	6.03	5.98	6.08	0.011	9.4
	2	5.19	5.14	5.24	0.012	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168906BSD

Lab Name: Alliance **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Lab Sample ID: PB168906BSD **Date(s) Analyzed:** 07/22/2025 07/22/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

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
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.011	10.8
	2	3.73	3.68	3.78	0.012	
Heptachlor	1	4.93	4.88	4.98	0.011	11.5
	2	4.08	4.03	4.13	0.012	
Heptachlor epoxide	1	5.70	5.65	5.75	0.011	9.4
	2	4.87	4.82	4.92	0.012	
Methoxychlor	1	7.50	7.45	7.55	0.012	3.3
	2	6.75	6.70	6.80	0.012	
Endrin ketone	1	7.63	7.58	7.68	0.011	9.2
	2	6.99	6.94	7.04	0.013	
gamma-Chlordane	1	5.95	5.90	6.00	0.011	10.3
	2	5.12	5.07	5.17	0.012	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072825\
Data File : PD089640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 11:48
Operator : AR\AJ
Sample : Q2594-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
CC-071325-RW

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 01:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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						
1)	SA Tetrachlo...	3.555	2.875	51025933	365.6E6	17.709m	18.684m
28)	SA Decachlor...	9.079	8.071	56622529	262.7E6	13.787	10.694
	Target Compounds						
3)	MA gamma-BHC...	4.331	3.725	17167689	101.2E6	3.112m	3.645

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

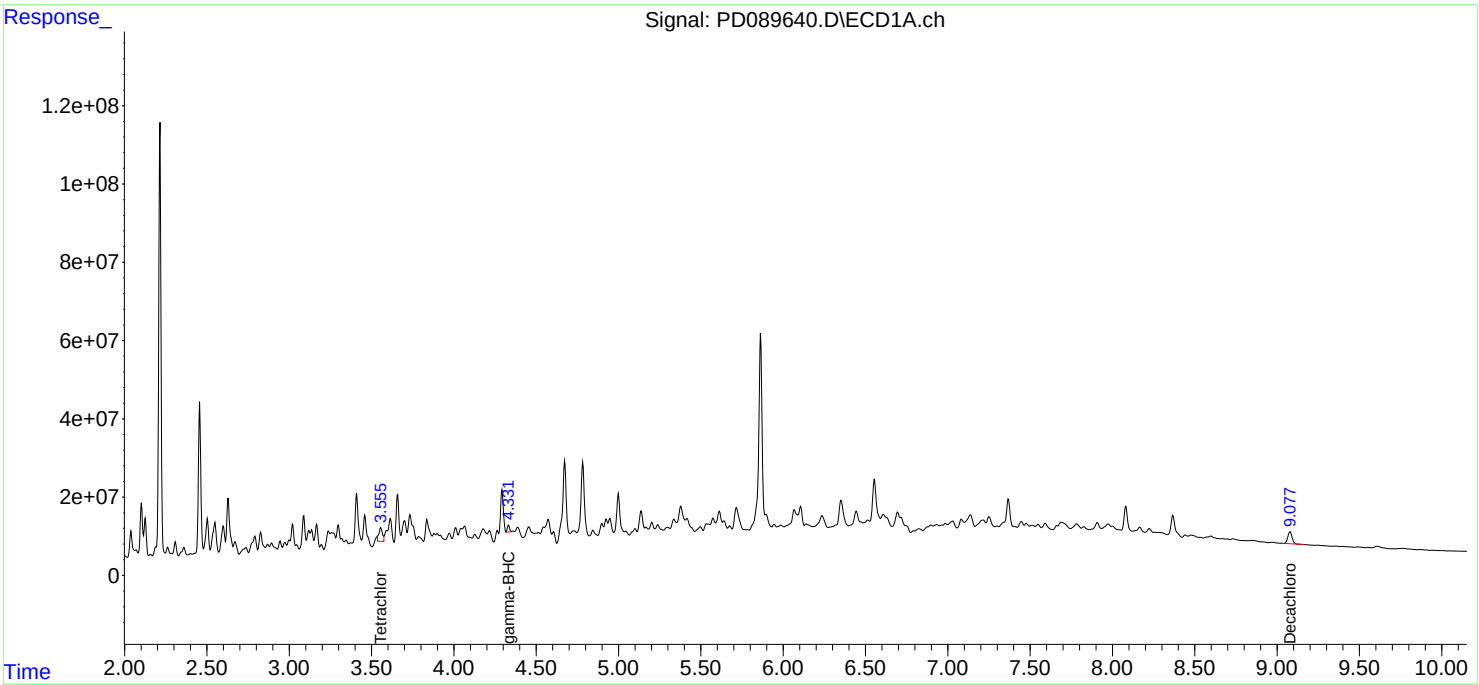
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072825\
Data File : PD089640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 11:48
Operator : AR\AJ
Sample : Q2594-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

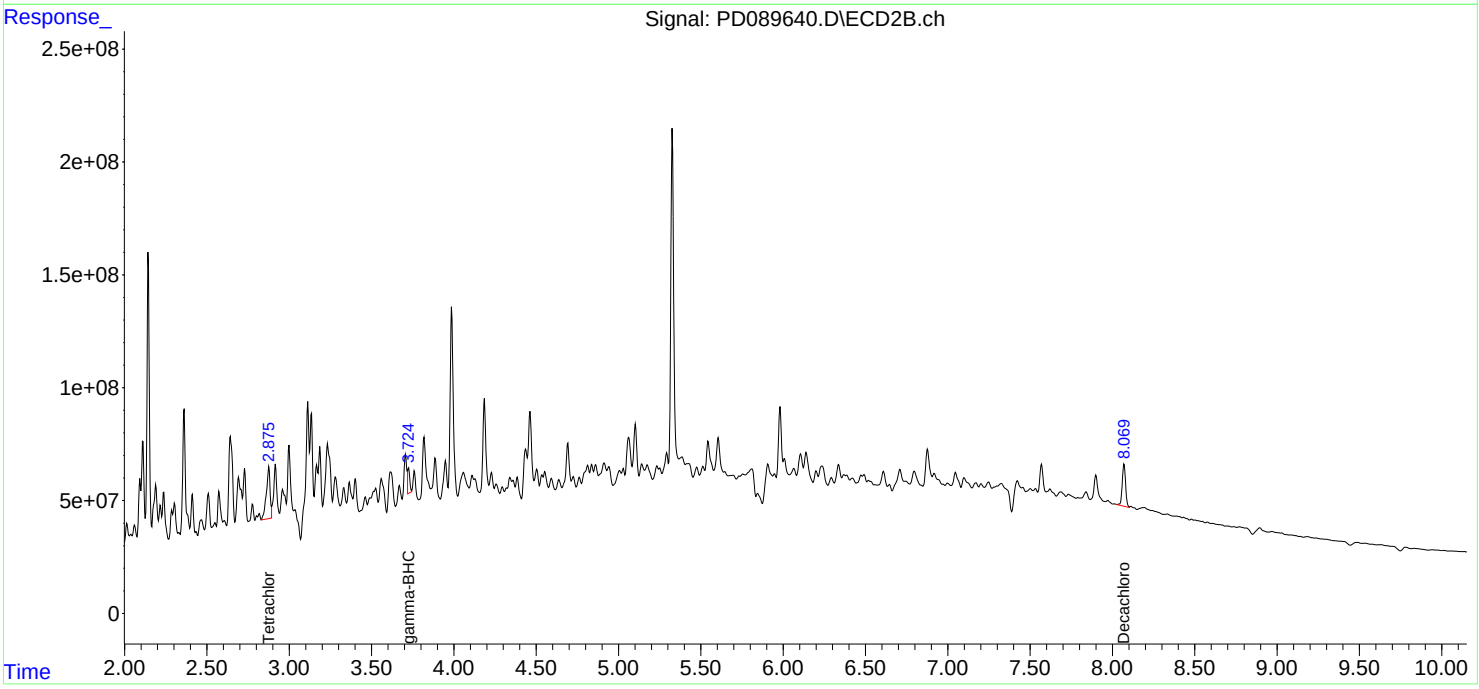
Instrument :
ECD_D
ClientSampleId :
CC-071325-RW

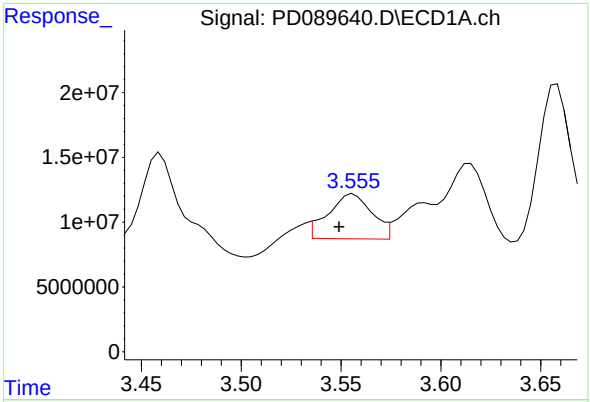
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 01:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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







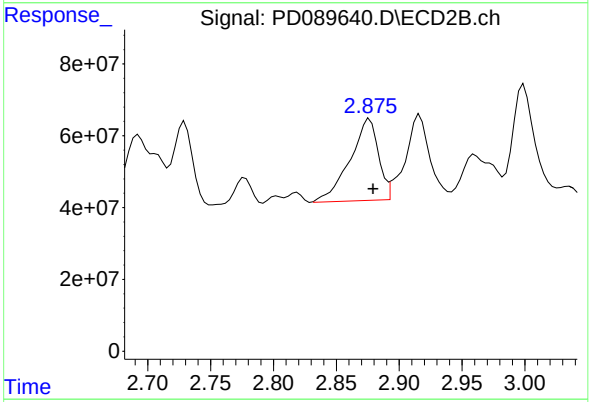
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 51025933
Conc: 17.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
CC-071325-RW

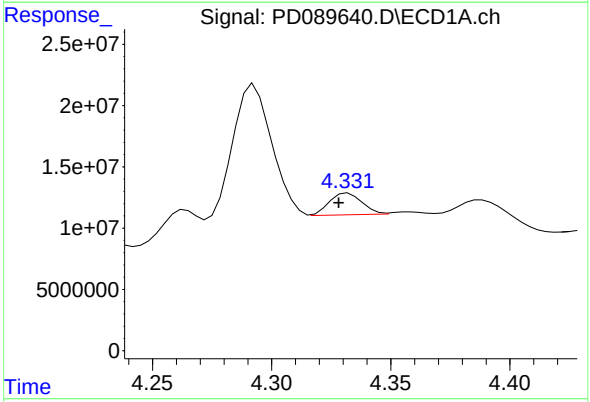
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025



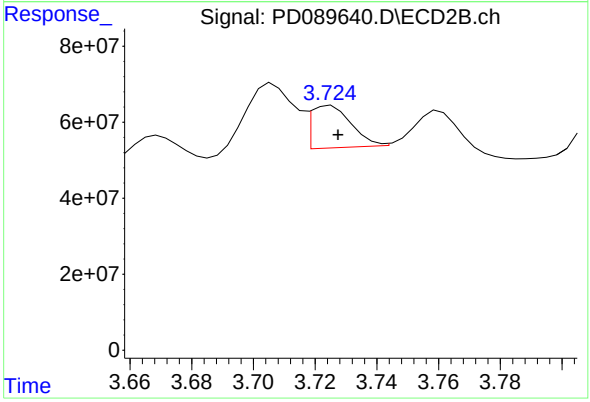
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.004 min
Response: 365571980
Conc: 18.68 ng/ml m



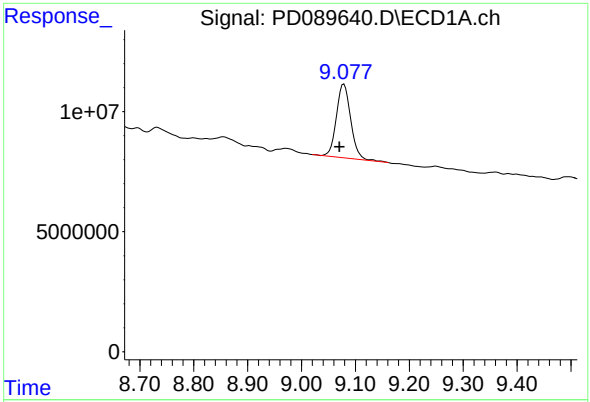
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.003 min
Response: 17167689
Conc: 3.11 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.002 min
Response: 101195214
Conc: 3.65 ng/ml



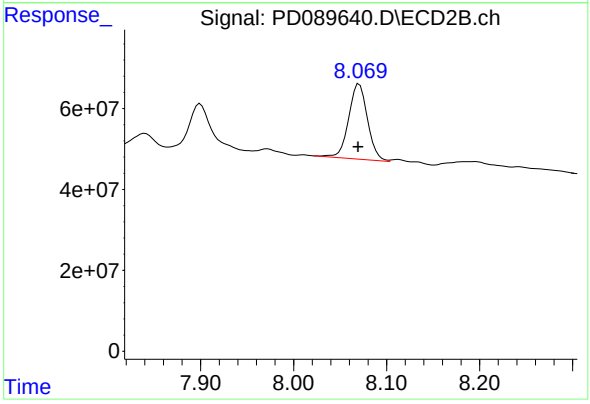
#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.008 min
Response: 56622529
Conc: 13.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
CC-071325-RW

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.001 min
Response: 262724386
Conc: 10.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:02
Operator : AR\AJ
Sample : PB168906BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168906BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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						
1)	SA Tetrachlo...	3.552	2.878	54462942	392.0E6	18.902	20.033
28)	SA Decachlor...	9.073	8.069	85650414	522.4E6	20.855	21.263
	Target Compounds						

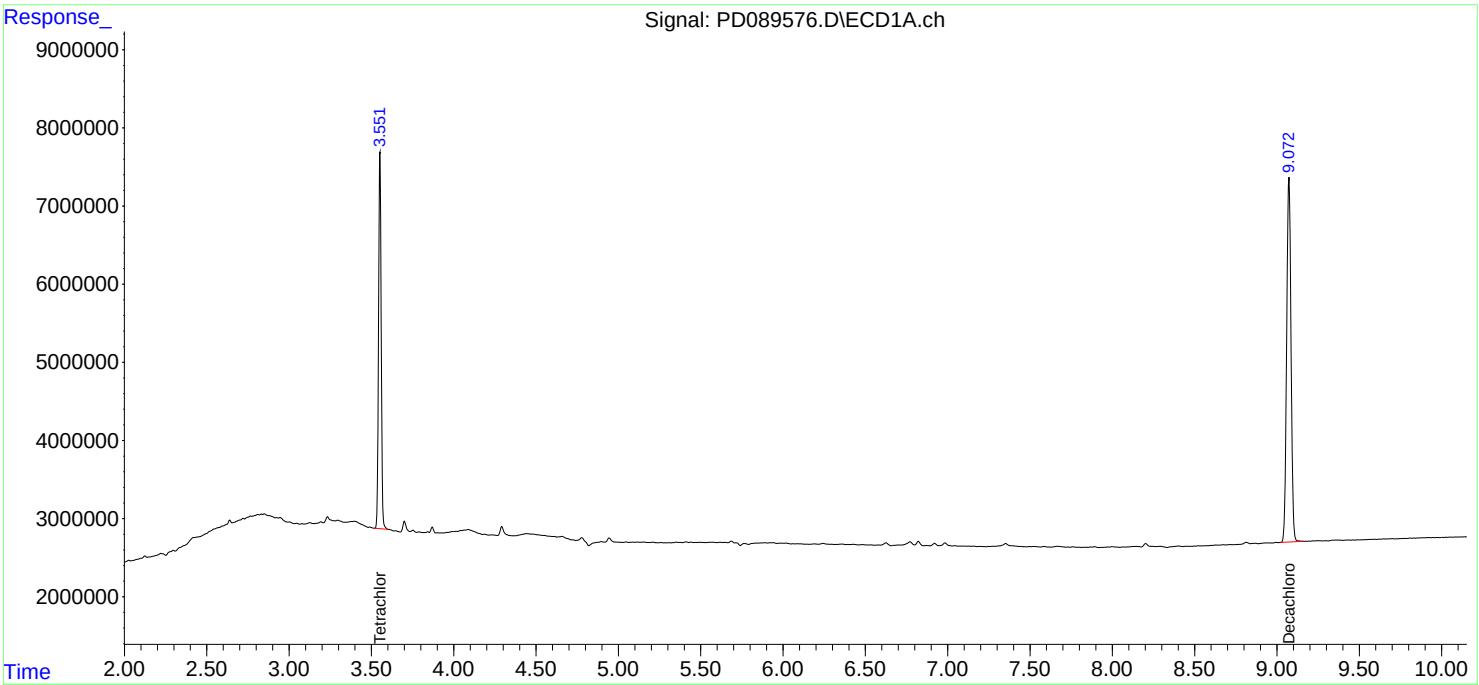
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

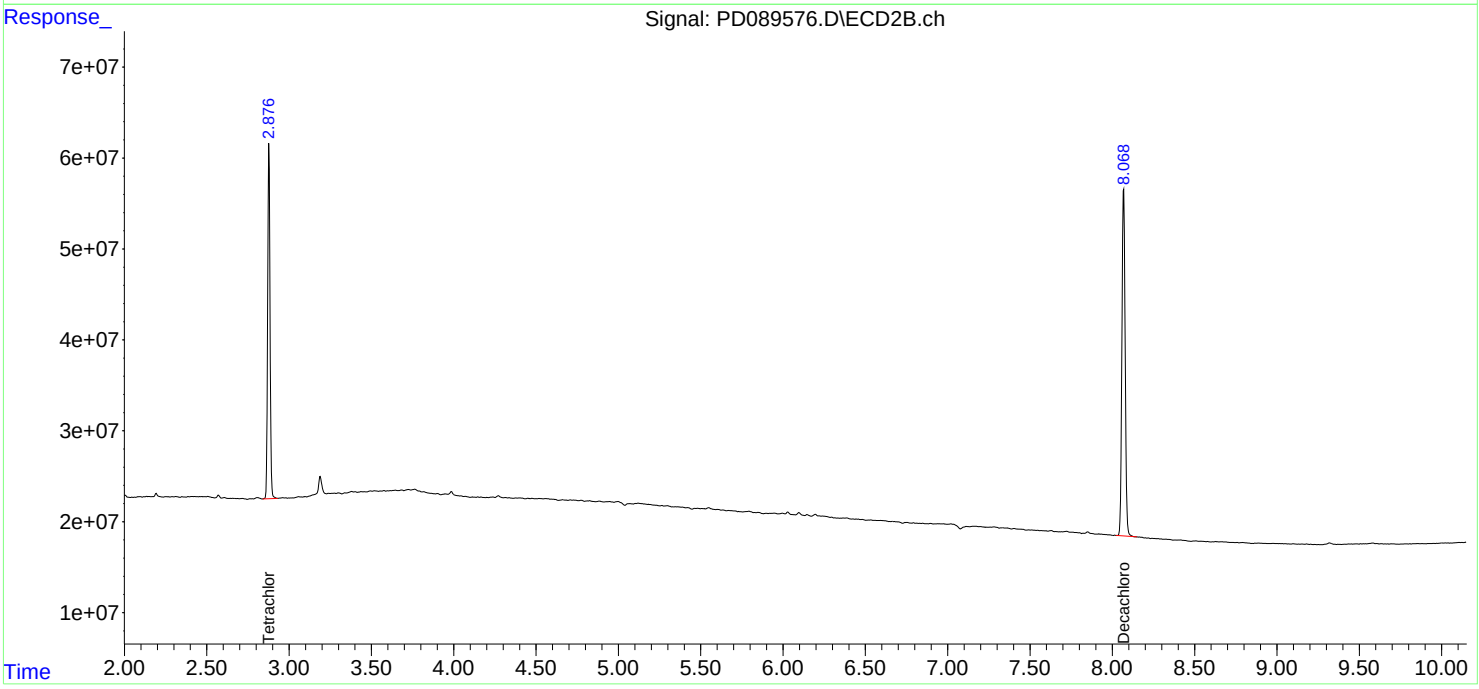
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:02
Operator : AR\AJ
Sample : PB168906BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

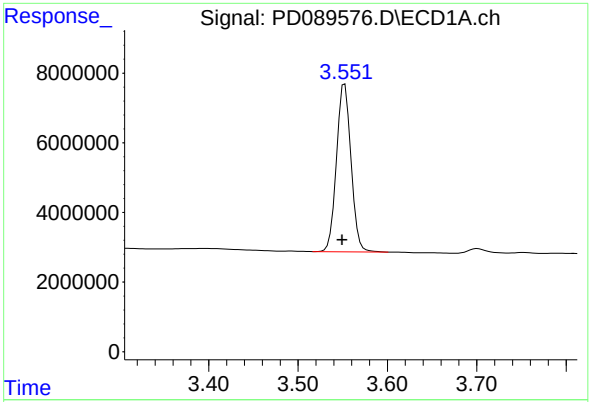
Instrument :
ECD_D
ClientSampleId :
PB168906BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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



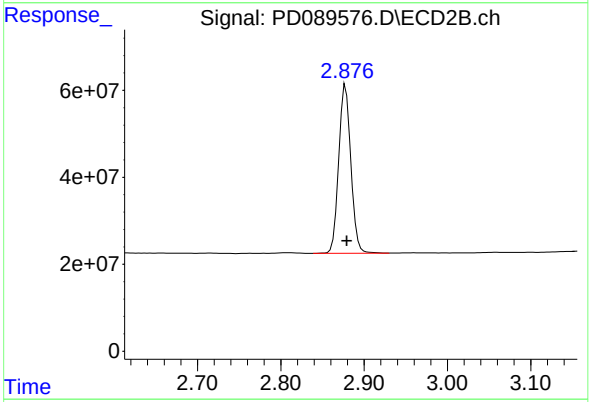




#1 Tetrachloro-m-xylene

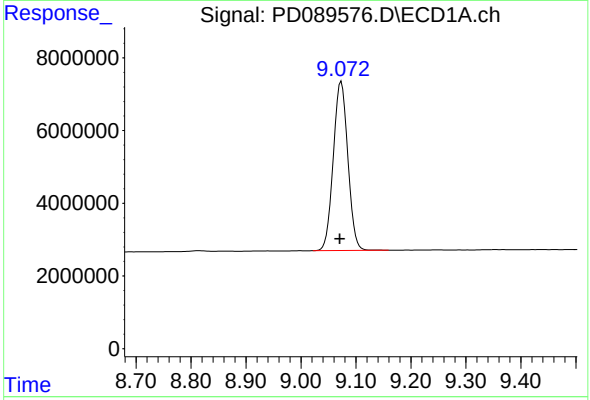
R.T.: 3.552 min
Delta R.T.: 0.003 min
Response: 54462942
Conc: 18.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BL



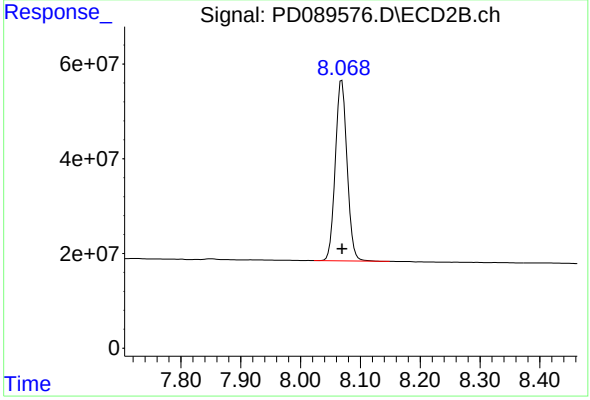
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.001 min
Response: 391968108
Conc: 20.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.003 min
Response: 85650414
Conc: 20.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 522405011
Conc: 21.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:16
Operator : AR\AJ
Sample : PB168906BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168906BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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						
1)	SA Tetrachlo...	3.548	2.879	52996573	382.4E6	18.393	19.546
28)	SA Decachlor...	9.068	8.068	82339663	504.7E6	20.048	20.541
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	55257523	345.2E6	9.678	11.489
3)	MA gamma-BHC...	4.328	3.727	56112558	320.3E6	10.170	11.538
4)	MA Heptachlor	4.926	4.080	57228579	332.1E6	10.493	11.854
5)	MB Aldrin	5.268	4.365	55716493	320.9E6	10.647	11.718
6)	B beta-BHC	4.513	4.022	24808198	144.6E6	11.506	12.148
7)	B delta-BHC	4.761	4.259	52962559	330.0E6	10.021	11.829
8)	B Heptachlo...	5.688	4.869	52030835	302.6E6	11.015	12.170
9)	A Endosulfan I	6.071	5.243	48500323	282.7E6	10.910	11.904
10)	B gamma-Chl...	5.942	5.122	50582224	319.5E6	10.669	11.941
11)	B alpha-Chl...	6.024	5.186	51394556	308.3E6	10.782	11.954
12)	B 4,4'-DDE	6.192	5.371	44434654	313.6E6	10.349	11.942
13)	MA Dieldrin	6.344	5.509	50107566	315.4E6	10.615	11.936
14)	MA Endrin	6.571	5.785	43059909	290.5E6	10.573	12.014
15)	B Endosulfa...	6.782	6.076	46246376	282.6E6	11.366	12.305
16)	A 4,4'-DDD	6.702	5.925	36072435	264.5E6	10.645	12.065
17)	MA 4,4'-DDT	7.018	6.179	40497680	275.9E6	10.734	11.787
18)	B Endrin al...	6.911	6.255	34323756	210.5E6	11.772	12.682
19)	B Endosulfa...	7.146	6.478	42054689	272.1E6	11.143	12.259
20)	A Methoxychlor	7.490	6.750	23202901	148.8E6	11.573	12.204
21)	B Endrin ke...	7.626	6.987	44626913	299.8E6	11.089	12.242
22)	Mirex	8.110	7.181	35094775	229.5E6	11.409	11.873

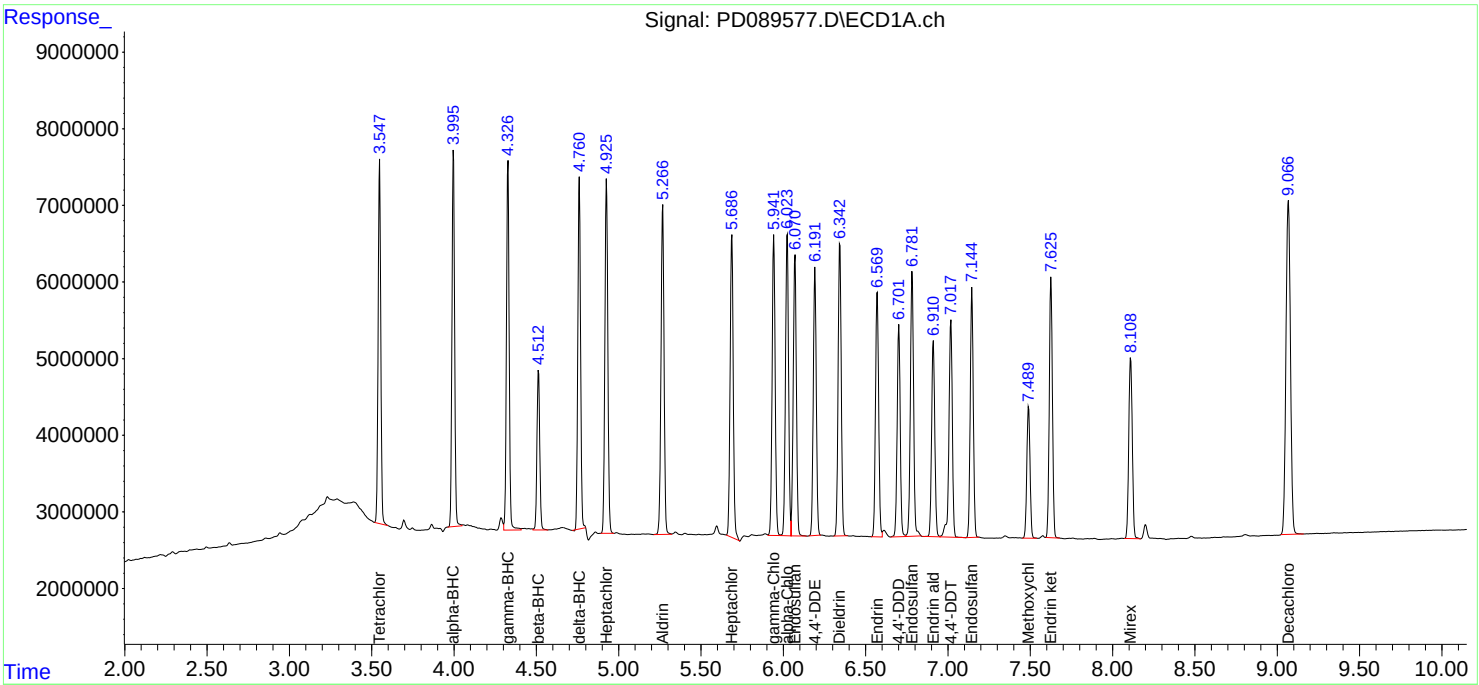
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

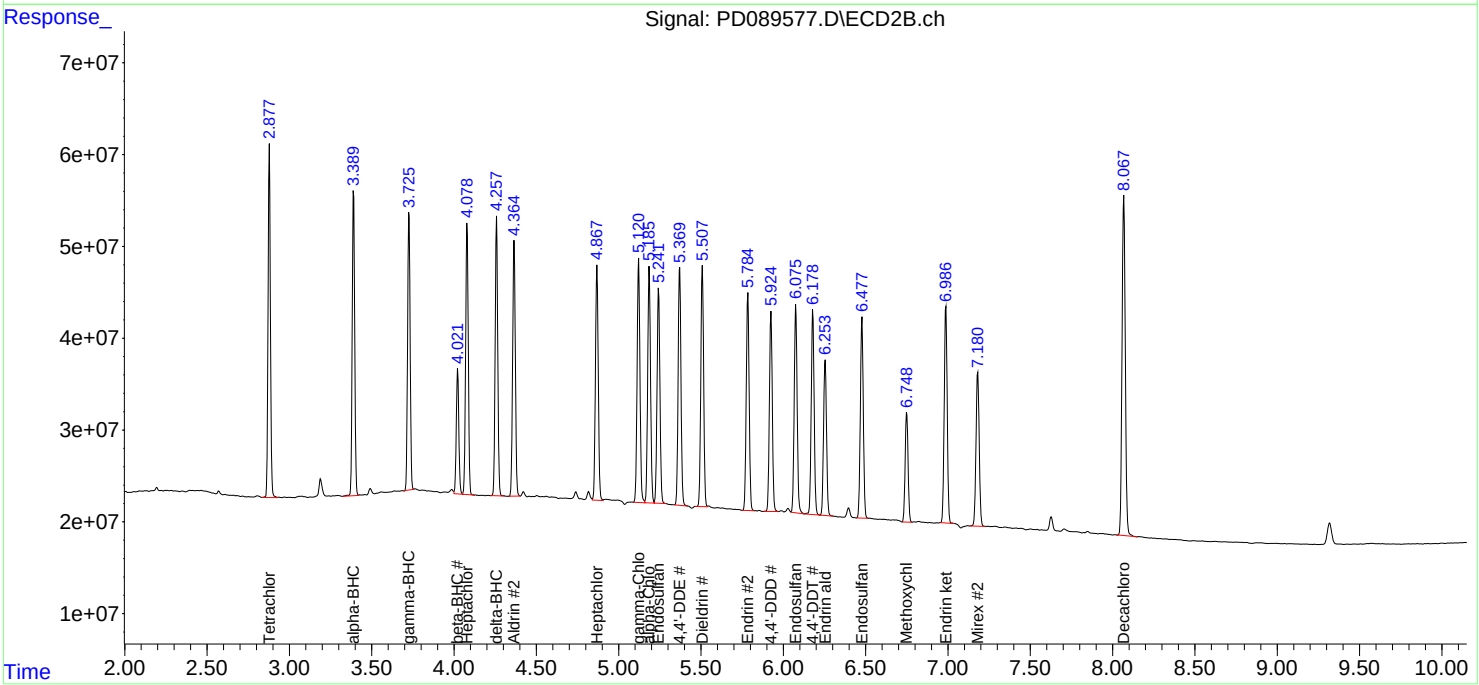
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:16
Operator : AR\AJ
Sample : PB168906BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168906BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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_D\Data\PD072225\
Data File : PD089578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:42
Operator : AR\AJ
Sample : PB168906BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 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 01:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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						
1)	SA Tetrachlo...	3.555	2.878	54256405	393.6E6	18.830	20.117
28)	SA Decachlor...	9.078	8.070	84303297	512.1E6	20.527	20.845
	Target Compounds						
2)	A alpha-BHC	4.004	3.390	56886279	354.7E6	9.963	11.807
3)	MA gamma-BHC...	4.335	3.726	58055480	324.5E6	10.522	11.689
4)	MA Heptachlor	4.933	4.080	58605843	335.6E6	10.746	11.978
5)	MB Aldrin	5.275	4.365	57011138	324.8E6	10.895	11.860
6)	B beta-BHC	4.521	4.023	25028087	145.9E6	11.608	12.258
7)	B delta-BHC	4.768	4.259	55228725	335.9E6	10.450m	12.043
8)	B Heptachlo...	5.695	4.869	53040799	306.6E6	11.229	12.333
9)	A Endosulfan I	6.078	5.243	49541795	288.4E6	11.144	12.146
10)	B gamma-Chl...	5.950	5.122	51908866	326.1E6	10.949	12.188
11)	B alpha-Chl...	6.031	5.187	52721529	314.3E6	11.060	12.185
12)	B 4,4'-DDE	6.200	5.372	45765104	319.1E6	10.658	12.153
13)	MA Dieldrin	6.351	5.510	51504752	319.7E6	10.910	12.098
14)	MA Endrin	6.579	5.786	44240386	295.1E6	10.863	12.204
15)	B Endosulfa...	6.791	6.078	46433559	285.9E6	11.412	12.447
16)	A 4,4'-DDD	6.710	5.927	37050927	268.9E6	10.934	12.265
17)	MA 4,4'-DDT	7.026	6.181	41554471	282.1E6	11.014	12.054
18)	B Endrin al...	6.919	6.257	35070655	213.6E6	12.029	12.869
19)	B Endosulfa...	7.154	6.480	43169248	275.4E6	11.438	12.404
20)	A Methoxychlor	7.498	6.752	23957645	151.2E6	11.950	12.403
21)	B Endrin ke...	7.634	6.989	45938291	306.0E6	11.415	12.497
22)	Mirex	8.118	7.183	36053376	230.6E6	11.720	11.932

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

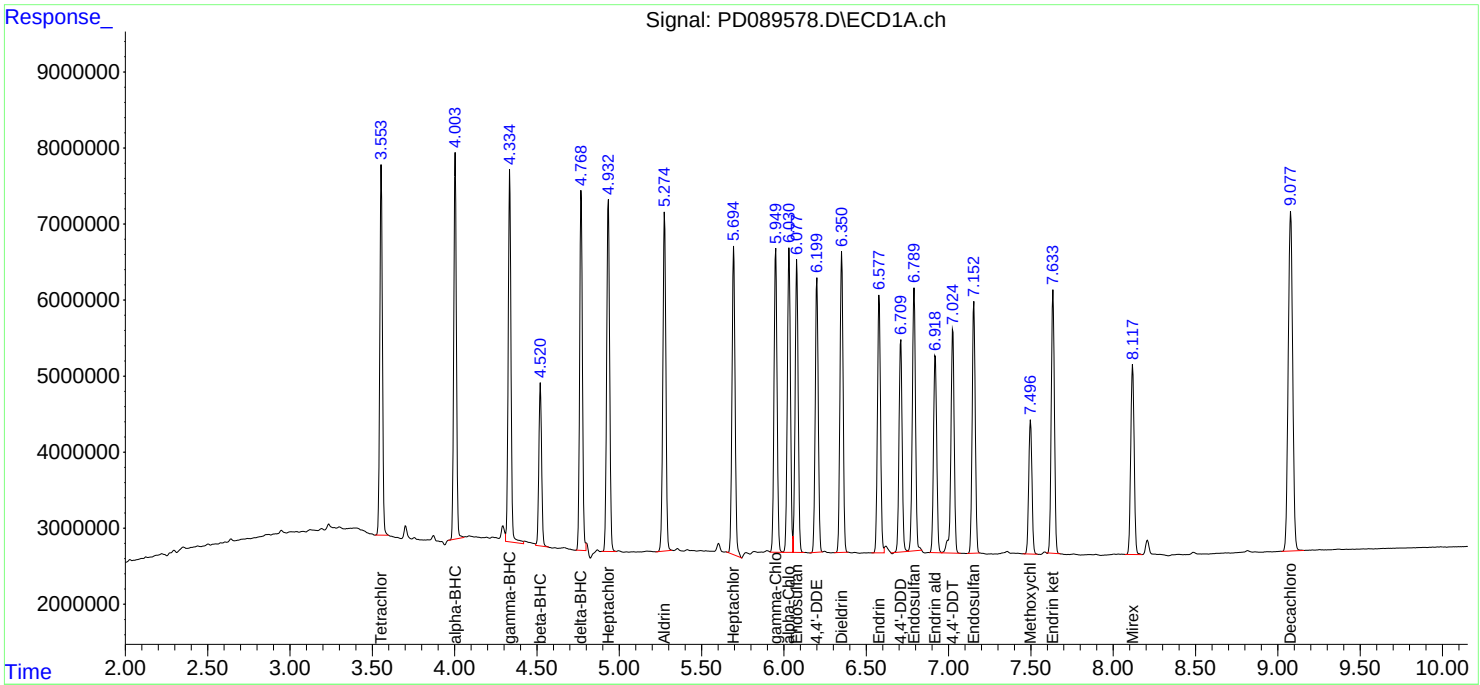
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:42
Operator : AR\AJ
Sample : PB168906BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

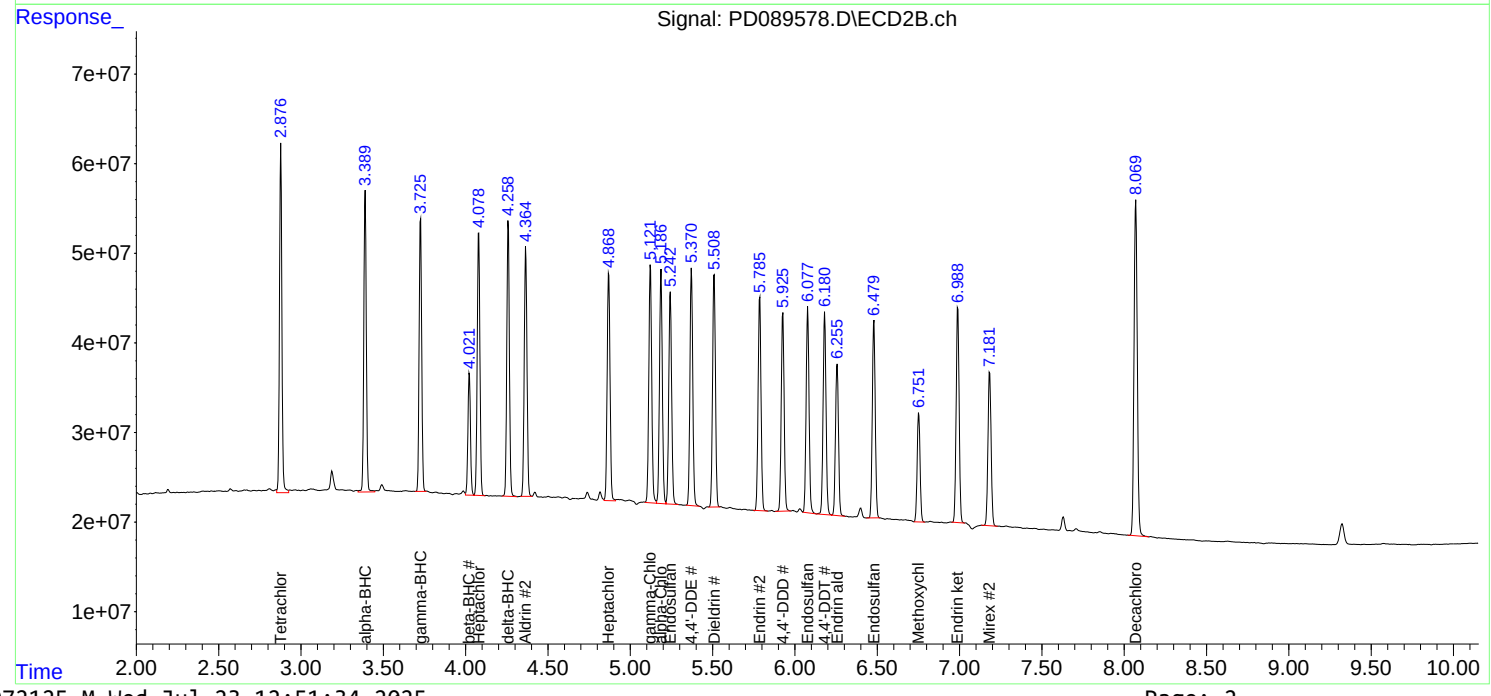
Instrument :
ECD_D
ClientSampleId :
PB168906BSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 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 01:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PD072125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089538.D	Endrin ketone	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software
PEM	PD089538.D	Endrin ketone #2	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd072225	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089560.D	4,4"-DDD	Abdul	7/23/2025 3:43:56 PM	mohammad	7/24/2025 1:26:10	Peak Integrated by Software
PEM	PD089560.D	Endrin aldehyde	Abdul	7/23/2025 3:43:56 PM	mohammad	7/24/2025 1:26:10	Peak Integrated by Software
PEM	PD089560.D	Endrin ketone	Abdul	7/23/2025 3:43:56 PM	mohammad	7/24/2025 1:26:10	Peak Integrated by Software
PEM	PD089560.D	Endrin ketone #2	Abdul	7/23/2025 3:43:56 PM	mohammad	7/24/2025 1:26:10	Peak Integrated by Software
PB168906BSD	PD089578.D	delta-BHC	Abdul	7/23/2025 3:43:26 PM	mohammad	7/24/2025 1:26:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd072825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089638.D	4,4"-DDD #2	yogesh	7/29/2025 7:27:36 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software
PEM	PD089638.D	Endrin ketone	yogesh	7/29/2025 7:27:36 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software
Q2594-01	PD089640.D	gamma-BHC (Lindane)	yogesh	7/29/2025 7:27:38 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software
Q2594-01	PD089640.D	Tetrachloro-m-xylene	yogesh	7/29/2025 7:27:38 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software
Q2594-01	PD089640.D	Tetrachloro-m-xylene #2	yogesh	7/29/2025 7:27:38 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software
PSTDCCC050	PD089664.D	4,4"-DDD	yogesh	7/29/2025 7:28:12 AM	mohammad	7/29/2025 7:50:00	Peak Integrated by Software

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089536.D	21 Jul 2025 11:27	AR\AJ	Ok
2	I.BLK	PD089537.D	21 Jul 2025 12:08	AR\AJ	Ok
3	PEM	PD089538.D	21 Jul 2025 12:22	AR\AJ	Ok,M
4	RESCHK	PD089539.D	21 Jul 2025 12:35	AR\AJ	Ok
5	PSTDICC100	PD089540.D	21 Jul 2025 12:49	AR\AJ	Ok
6	PSTDICC075	PD089541.D	21 Jul 2025 13:03	AR\AJ	Ok
7	PSTDICC050	PD089542.D	21 Jul 2025 13:16	AR\AJ	Ok
8	PSTDICC025	PD089543.D	21 Jul 2025 13:30	AR\AJ	Ok
9	PSTDICC005	PD089544.D	21 Jul 2025 13:44	AR\AJ	Ok
10	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57	AR\AJ	Ok
11	PCHLORICC750	PD089546.D	21 Jul 2025 14:11	AR\AJ	Ok
12	PCHLORICC500	PD089547.D	21 Jul 2025 14:25	AR\AJ	Ok
13	PCHLORICC250	PD089548.D	21 Jul 2025 14:38	AR\AJ	Ok
14	PCHLORICC050	PD089549.D	21 Jul 2025 14:52	AR\AJ	Ok
15	PTOXICC1000	PD089550.D	21 Jul 2025 15:05	AR\AJ	Ok
16	PTOXICC750	PD089551.D	21 Jul 2025 15:19	AR\AJ	Ok
17	PTOXICC500	PD089552.D	21 Jul 2025 15:32	AR\AJ	Ok
18	PTOXICC250	PD089553.D	21 Jul 2025 15:46	AR\AJ	Ok,M
19	PTOXICC100	PD089554.D	21 Jul 2025 15:59	AR\AJ	Ok
20	PSTDICV050	PD089555.D	21 Jul 2025 16:25	AR\AJ	Ok
21	PCHLORICV500	PD089556.D	21 Jul 2025 16:39	AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089557.D	21 Jul 2025 16:52	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072225

Review By	Abdul	Review On	7/23/2025 3:44:30 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:10 AM		
SubDirectory	PD072225	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089558.D	22 Jul 2025 08:19	AR\AJ	Ok
2	I.BLK	PD089559.D	22 Jul 2025 08:33	AR\AJ	Ok
3	PEM	PD089560.D	22 Jul 2025 08:46	AR\AJ	Ok,M
4	PSTDCCC050	PD089561.D	22 Jul 2025 09:31	AR\AJ	Ok
5	PB168867BL	PD089562.D	22 Jul 2025 10:07	AR\AJ	Ok
6	PB168867BS	PD089563.D	22 Jul 2025 10:20	AR\AJ	Ok
7	PB168803TB	PD089564.D	22 Jul 2025 10:40	AR\AJ	Ok
8	Q2578-03	PD089565.D	22 Jul 2025 10:53	AR\AJ	Ok,M
9	Q2578-03MS	PD089566.D	22 Jul 2025 11:07	AR\AJ	Ok,M
10	Q2578-03MSD	PD089567.D	22 Jul 2025 11:20	AR\AJ	Ok,M
11	Q2578-07	PD089568.D	22 Jul 2025 11:34	AR\AJ	Ok,M
12	Q2578-11	PD089569.D	22 Jul 2025 11:47	AR\AJ	Ok,M
13	Q2578-15	PD089570.D	22 Jul 2025 12:01	AR\AJ	Ok,M
14	Q2578-19	PD089571.D	22 Jul 2025 12:15	AR\AJ	Ok,M
15	Q2579-03	PD089572.D	22 Jul 2025 12:29	AR\AJ	Ok,M
16	Q2579-07	PD089573.D	22 Jul 2025 12:42	AR\AJ	Ok,M
17	I.BLK	PD089574.D	22 Jul 2025 12:56	AR\AJ	Ok
18	PSTDCCC050	PD089575.D	22 Jul 2025 13:31	AR\AJ	Ok
19	PB168906BL	PD089576.D	22 Jul 2025 14:02	AR\AJ	Ok
20	PB168906BS	PD089577.D	22 Jul 2025 14:16	AR\AJ	Ok
21	PB168906BSD	PD089578.D	22 Jul 2025 14:42	AR\AJ	Ok,M

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072225

Review By	Abdul	Review On	7/23/2025 3:44:30 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:10 AM		
SubDirectory	PD072225	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2594-01	PD089579.D	22 Jul 2025 14:56	AR\AJ	ReRun
23	I.BLK	PD089580.D	22 Jul 2025 15:36	AR\AJ	Ok
24	PSTDCCC050	PD089581.D	22 Jul 2025 15:49	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072825

Review By	yogesh	Review On	7/29/2025 7:28:43 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:50:00 AM		
SubDirectory	PD072825	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089636.D	28 Jul 2025 09:40	AR\AJ	Ok
2	I.BLK	PD089637.D	28 Jul 2025 09:53	AR\AJ	Ok
3	PEM	PD089638.D	28 Jul 2025 10:07	AR\AJ	Ok,M
4	PSTDCCC050	PD089639.D	28 Jul 2025 11:28	AR\AJ	Ok
5	Q2594-01	PD089640.D	28 Jul 2025 11:48	AR\AJ	Ok,M
6	PB168853BL	PD089641.D	28 Jul 2025 12:07	AR\AJ	Ok
7	PB168853BS	PD089642.D	28 Jul 2025 13:01	AR\AJ	Ok
8	Q2600-01	PD089643.D	28 Jul 2025 13:33	AR\AJ	Ok,M
9	Q2600-05	PD089644.D	28 Jul 2025 13:46	AR\AJ	Ok,M
10	Q2600-05MS	PD089645.D	28 Jul 2025 14:00	AR\AJ	Ok,M
11	Q2600-05MSD	PD089646.D	28 Jul 2025 14:13	AR\AJ	Ok,M
12	Q2600-09	PD089647.D	28 Jul 2025 14:27	AR\AJ	Ok,M
13	PB169019BL	PD089648.D	28 Jul 2025 14:40	AR\AJ	Ok
14	PB169019BS	PD089649.D	28 Jul 2025 14:54	AR\AJ	Ok
15	I.BLK	PD089650.D	28 Jul 2025 15:07	AR\AJ	Ok
16	PSTDCCC050	PD089651.D	28 Jul 2025 15:21	AR\AJ	Ok
17	Q2700-01	PD089652.D	28 Jul 2025 15:51	AR\AJ	Ok,M
18	Q2703-01	PD089653.D	28 Jul 2025 16:05	AR\AJ	Ok,M
19	Q2706-01	PD089654.D	28 Jul 2025 16:18	AR\AJ	Ok,M
20	Q2706-03	PD089655.D	28 Jul 2025 16:32	AR\AJ	Ok,M
21	Q2706-03MS	PD089656.D	28 Jul 2025 16:46	AR\AJ	Ok,M

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072825

Review By	yogesh	Review On	7/29/2025 7:28:43 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:50:00 AM		
SubDirectory	PD072825	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2706-03MSD	PD089657.D	28 Jul 2025 16:59	AR\AJ	Ok,M
23	I.BLK	PD089658.D	28 Jul 2025 18:36	AR\AJ	Ok
24	PSTDCCC050	PD089659.D	28 Jul 2025 19:03	AR\AJ	Ok
25	Q2481-14	PD089660.D	28 Jul 2025 20:25	AR\AJ	Not Ok
26	Q2481-19	PD089661.D	28 Jul 2025 20:52	AR\AJ	Not Ok
27	Q248121	PD089662.D	28 Jul 2025 21:20	AR\AJ	Not Ok
28	I.BLK	PD089663.D	28 Jul 2025 22:01	AR\AJ	Not Ok
29	PSTDCCC050	PD089664.D	28 Jul 2025 22:14	AR\AJ	Not Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089536.D	21 Jul 2025 11:27		AR\AJ	Ok
2	I.BLK	I.BLK	PD089537.D	21 Jul 2025 12:08		AR\AJ	Ok
3	PEM	PEM	PD089538.D	21 Jul 2025 12:22		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089539.D	21 Jul 2025 12:35		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089540.D	21 Jul 2025 12:49		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089541.D	21 Jul 2025 13:03		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD089542.D	21 Jul 2025 13:16		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089543.D	21 Jul 2025 13:30		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089544.D	21 Jul 2025 13:44		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089546.D	21 Jul 2025 14:11		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089547.D	21 Jul 2025 14:25		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089548.D	21 Jul 2025 14:38		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089549.D	21 Jul 2025 14:52		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089550.D	21 Jul 2025 15:05		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089551.D	21 Jul 2025 15:19		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089552.D	21 Jul 2025 15:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089553.D	21 Jul 2025 15:46		AR\AJ	Ok,M

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089554.D	21 Jul 2025 15:59		AR\AJ	Ok
20	PSTDICV050	ICVPD072125	PD089555.D	21 Jul 2025 16:25		AR\AJ	Ok
21	PCHLORICV500	ICVPD072125CHLOR	PD089556.D	21 Jul 2025 16:39		AR\AJ	Ok
22	PTOXICV500	ICVPD072125TOX	PD089557.D	21 Jul 2025 16:52		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072225

Review By	Abdul	Review On	7/23/2025 3:44:30 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:10 AM		
SubDirectory	PD072225	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089558.D	22 Jul 2025 08:19		AR\AJ	Ok
2	I.BLK	I.BLK	PD089559.D	22 Jul 2025 08:33		AR\AJ	Ok
3	PEM	PEM	PD089560.D	22 Jul 2025 08:46		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089561.D	22 Jul 2025 09:31		AR\AJ	Ok
5	PB168867BL	PB168867BL	PD089562.D	22 Jul 2025 10:07		AR\AJ	Ok
6	PB168867BS	PB168867BS	PD089563.D	22 Jul 2025 10:20		AR\AJ	Ok
7	PB168803TB	PB168803TB	PD089564.D	22 Jul 2025 10:40		AR\AJ	Ok
8	Q2578-03	WC-A5-01-C	PD089565.D	22 Jul 2025 10:53		AR\AJ	Ok,M
9	Q2578-03MS	WC-A5-01-CMS	PD089566.D	22 Jul 2025 11:07		AR\AJ	Ok,M
10	Q2578-03MSD	WC-A5-01-CMSD	PD089567.D	22 Jul 2025 11:20		AR\AJ	Ok,M
11	Q2578-07	WC-A2-09-C	PD089568.D	22 Jul 2025 11:34		AR\AJ	Ok,M
12	Q2578-11	WC-A2-10-C	PD089569.D	22 Jul 2025 11:47		AR\AJ	Ok,M
13	Q2578-15	WC-A2-11-C	PD089570.D	22 Jul 2025 12:01		AR\AJ	Ok,M
14	Q2578-19	WC-A2-12-C	PD089571.D	22 Jul 2025 12:15		AR\AJ	Ok,M
15	Q2579-03	WC-A2-13-C	PD089572.D	22 Jul 2025 12:29		AR\AJ	Ok,M
16	Q2579-07	WC-A2-14-C	PD089573.D	22 Jul 2025 12:42		AR\AJ	Ok,M
17	I.BLK	I.BLK	PD089574.D	22 Jul 2025 12:56		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PD089575.D	22 Jul 2025 13:31		AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072225

Review By	Abdul	Review On	7/23/2025 3:44:30 PM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:10 AM		
SubDirectory	PD072225	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB168906BL	PB168906BL	PD089576.D	22 Jul 2025 14:02		AR\AJ	Ok
20	PB168906BS	PB168906BS	PD089577.D	22 Jul 2025 14:16		AR\AJ	Ok
21	PB168906BSD	PB168906BSD	PD089578.D	22 Jul 2025 14:42		AR\AJ	Ok,M
22	Q2594-01	CC-071325-RW	PD089579.D	22 Jul 2025 14:56	DCB Low in 2nd column , TCMX low in 1st column	AR\AJ	ReRun
23	I.BLK	I.BLK	PD089580.D	22 Jul 2025 15:36		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PD089581.D	22 Jul 2025 15:49		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072825

Review By	yogesh	Review On	7/29/2025 7:28:43 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:50:00 AM		
SubDirectory	PD072825	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089636.D	28 Jul 2025 09:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD089637.D	28 Jul 2025 09:53		AR\AJ	Ok
3	PEM	PEM	PD089638.D	28 Jul 2025 10:07		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089639.D	28 Jul 2025 11:28		AR\AJ	Ok
5	Q2594-01	CC-071325-RW	PD089640.D	28 Jul 2025 11:48		AR\AJ	Ok,M
6	PB168853BL	PB168853BL	PD089641.D	28 Jul 2025 12:07		AR\AJ	Ok
7	PB168853BS	PB168853BS	PD089642.D	28 Jul 2025 13:01		AR\AJ	Ok
8	Q2600-01	TRENCH	PD089643.D	28 Jul 2025 13:33		AR\AJ	Ok,M
9	Q2600-05	STOCK-PILE	PD089644.D	28 Jul 2025 13:46		AR\AJ	Ok,M
10	Q2600-05MS	STOCK-PILEMS	PD089645.D	28 Jul 2025 14:00	Comp#18 recovery fail	AR\AJ	Ok,M
11	Q2600-05MSD	STOCK-PILEMSD	PD089646.D	28 Jul 2025 14:13	Comp#18 recovery fail	AR\AJ	Ok,M
12	Q2600-09	END-OF-TRENCH	PD089647.D	28 Jul 2025 14:27		AR\AJ	Ok,M
13	PB169019BL	PB169019BL	PD089648.D	28 Jul 2025 14:40		AR\AJ	Ok
14	PB169019BS	PB169019BS	PD089649.D	28 Jul 2025 14:54		AR\AJ	Ok
15	I.BLK	I.BLK	PD089650.D	28 Jul 2025 15:07		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089651.D	28 Jul 2025 15:21		AR\AJ	Ok
17	Q2700-01	EO-03-072525	PD089652.D	28 Jul 2025 15:51		AR\AJ	Ok,M
18	Q2703-01	TP-4	PD089653.D	28 Jul 2025 16:05	DCB Low in 2nd column	AR\AJ	Ok,M

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072825

Review By	yogesh	Review On	7/29/2025 7:28:43 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:50:00 AM		
SubDirectory	PD072825	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2706-01	RT-5417	PD089654.D	28 Jul 2025 16:18		AR\AJ	Ok,M
20	Q2706-03	ETGI-361	PD089655.D	28 Jul 2025 16:32		AR\AJ	Ok,M
21	Q2706-03MS	ETGI-361MS	PD089656.D	28 Jul 2025 16:46		AR\AJ	Ok,M
22	Q2706-03MSD	ETGI-361MSD	PD089657.D	28 Jul 2025 16:59		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD089658.D	28 Jul 2025 18:36		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PD089659.D	28 Jul 2025 19:03	DCB high in 2nd column	AR\AJ	Ok
25	Q2481-14	CC0625-OXBL	PD089660.D	28 Jul 2025 20:25	END ccc out of tune , DCB low in both column , TCMX low in 2nd column	AR\AJ	Not Ok
26	Q2481-19	CC0627-CLOXAL	PD089661.D	28 Jul 2025 20:52	TCMX high in both column , DCB low in 2nd column , END ccc out of tune , F flag in TCMX	AR\AJ	Not Ok
27	Q248121	Q248121	PD089662.D	28 Jul 2025 21:20	END ccc out of tune , Typo , Need cleanup	AR\AJ	Not Ok
28	I.BLK	I.BLK	PD089663.D	28 Jul 2025 22:01		AR\AJ	Not Ok
29	PSTDCCC050	PSTDCCC050	PD089664.D	28 Jul 2025 22:14	Out of tune PEM tune time	AR\AJ	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168906

SOP ID: M608.3-Pesticide PCB-18

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 07/17/2025

Extraction Start Time : 09:24

Extraction End Date : 07/17/2025

Extraction End Time : 13:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	12.5 PPB	PP24302
Surrogate	1.0ML	20 PPB	PP24714
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/17/25	RS (Extlab)	Y-P PESTPC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168906

Analytical Method: M608.3-Pesticide PCB-18

Concentration Date: 07/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168906BL	PBLK906	Pesticide-TCL	1000	6	RUPESH	ritesh	1			SEP-5
PB168906BS	PLCS906	Pesticide-TCL	1000	6	RUPESH	ritesh	1			6
PB168906BSD	PLCSD906	Pesticide-TCL	1000	6	RUPESH	ritesh	1			7
Q2594-01	CC-071325-RW	Pesticide-TCL	1000	6	RUPESH	ritesh	1	F		8

RS 7/17

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

Q2594 7/8 9:24 RCH

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2594 **WorkList ID :** 190796 **Department :** Extraction **Date :** 07-17-2025 09:13:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2594-01	CC-071325-RW	Water	PCB	Cool 4 deg C	ENVI60	O42	07/14/2025	608.3
Q2594-01	CC-071325-RW	Water	Pesticide-TCL	Cool 4 deg C	ENVI60	O42	07/14/2025	608.3

Date/Time 7/17/25 9:20
Raw Sample Received by: RS (EET 666)
Raw Sample Relinquished by: CA Sm

Date/Time 7/17/25 9:45
Raw Sample Received by: CA Sm
Raw Sample Relinquished by: RS (EET 666)

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

LAB CHRONICLE

OrderID:	Q2594	**OrderDate:**	7/14/2025 12:05:00 PM
Client:	Environmental Restoration, LLC	**Project:**	Cooper Chemical - Long Valley NJ 2-COOP-ANS
Contact:	Byron Hartman	**Location:**	O41,O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2594-01	**CC-071325-RW**	**WATER**			**07/14/25**			**07/14/25**
			PCB	608.3		07/17/25	07/17/25	
			Pesticide-TCL	608.3		07/17/25	07/28/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2594 **Order ID:** Q2594

Client: Environmental Restoration, LLC **Project ID:** Cooper Chemical - Long Valley NJ 2-C

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:	07/14/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/14/25
Client Sample ID:	CC-071325-RW	SDG No.:	Q2594
Lab Sample ID:	Q2594-01	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 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
PP073911.D	1	07/17/25 09:20	07/17/25 18:14	PB168905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.0097	U	0.0097	0.050	ug/L
11104-28-2	Aroclor-1221	0.013	U	0.013	0.050	ug/L
11141-16-5	Aroclor-1232	0.0096	U	0.0096	0.050	ug/L
53469-21-9	Aroclor-1242	0.012	U	0.012	0.050	ug/L
12672-29-6	Aroclor-1248	0.0071	U	0.0071	0.050	ug/L
11097-69-1	Aroclor-1254	0.0094	U	0.0094	0.050	ug/L
11096-82-5	Aroclor-1260	0.0081	U	0.0081	0.050	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		70 (60) - 130 (140)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		70 (60) - 130 (140)	71%	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.: Q2594

Client: Environmental Restoration, LLC

Analytical Method: 608.3 PCB

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073553.D	PIBLK-PP073553.D	Tetrachloro-m-xyl	1	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	1	20	17.3	87		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.1	85		70 (60)	130 (140)
I.BLK-PP073904.D	PIBLK-PP073904.D	Tetrachloro-m-xyl	1	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.1	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.9	104		70 (60)	130 (140)
PB168905BL	PB168905BL	Tetrachloro-m-xyl	1	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.8	104		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	23.1	115		70 (60)	130 (140)
		Decachlorobiphen	2	20	24.1	121		70 (60)	130 (140)
PB168905BS	PB168905BS	Tetrachloro-m-xyl	1	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.1	105		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	23.2	116		70 (60)	130 (140)
		Decachlorobiphen	2	20	24.0	120		70 (60)	130 (140)
PB168905BSD	PB168905BSD	Tetrachloro-m-xyl	1	20	21.2	106		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.5	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	22.3	111		70 (60)	130 (140)
		Decachlorobiphen	2	20	24.1	121		70 (60)	130 (140)
Q2594-01	CC-071325-RW	Tetrachloro-m-xyl	1	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphen	1	20	14.2	71		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	39.3	196	*	70 (60)	130 (140)
		Decachlorobiphen	2	20	15.2	76		70 (60)	130 (140)
I.BLK-PP073919.D	PIBLK-PP073919.D	Tetrachloro-m-xyl	1	20	18.1	91		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.2	106		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.: Q2594 **Analytical Method:** 608.3 PCB

Client: Environmental Restoration, LLC **Datafile :** PP073906.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168905BS (Column 1)	AROCLOR 1016	0.05	0.050	ug/L	99				70 (50)	130 (140)	
	AROCLOR 1260	0.05	0.045	ug/L	89				70 (8)	130 (140)	
PB168905BS (Column 2)	AROCLOR 1016	0.05	0.056	ug/L	112				70 (50)	130 (140)	
	AROCLOR 1260	0.05	0.059	ug/L	118				70 (8)	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.: Q2594 **Analytical Method:** 608.3 PCB

Client: Environmental Restoration, LLC **Datafile :** PP073907.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168905BSD (Column 1)	AROCLOR 1016	0.05	0.049	ug/L	98	1			70 (50)	130 (140)	20 (20)
	AROCLOR 1260	0.05	0.044	ug/L	88	1			70 (8)	130 (140)	20 (20)
PB168905BSD (Column 2)	AROCLOR 1016	0.05	0.057	ug/L	114	2			70 (50)	130 (140)	20 (20)
	AROCLOR 1260	0.05	0.057	ug/L	113	4			70 (8)	130 (140)	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: PB168905BL

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2594

Lab Sample ID: PB168905BL | Lab File ID: PP073905.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/17/2025

Date Analyzed (1): 07/17/2025 | Date Analyzed (2): 07/17/2025

Time Analyzed (1): 16:35 | Time Analyzed (2): 16:35

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168905BS	PB168905BS	PP073906.D	07/17/2025	07/17/2025
PB168905BSD	PB168905BSD	PP073907.D	07/17/2025	07/17/2025
CC-071325-RW	Q2594-01	PP073911.D	07/17/2025	07/17/2025

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168905BL	SDG No.:	Q2594
Lab Sample ID:	PB168905BL	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 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
PP073905.D	1	07/17/25 09:20	07/17/25 16:35	PB168905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.0097	U	0.0097	0.050	ug/L
11104-28-2	Aroclor-1221	0.013	U	0.013	0.050	ug/L
11141-16-5	Aroclor-1232	0.0096	U	0.0096	0.050	ug/L
53469-21-9	Aroclor-1242	0.012	U	0.012	0.050	ug/L
12672-29-6	Aroclor-1248	0.0071	U	0.0071	0.050	ug/L
11097-69-1	Aroclor-1254	0.0094	U	0.0094	0.050	ug/L
11096-82-5	Aroclor-1260	0.0081	U	0.0081	0.050	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		70 (60) - 130 (140)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		70 (60) - 130 (140)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/07/25
Client Sample ID:	PIBLK-PP073553.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PP073553.D	Matrix:	WATER
Analytical Method:	608.3	% 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
PP073553.D	1		07/07/25	pp070825

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		70 (60) - 130 (140)	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		70 (60) - 130 (140)	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/17/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/17/25
Client Sample ID:	PIBLK-PP073904.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PP073904.D	Matrix:	WATER
Analytical Method:	608.3	% 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
PP073904.D	1		07/17/25	pp071725

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	91%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/17/25
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	07/17/25
Client Sample ID:	PIBLK-PP073919.D	SDG No.:	Q2594
Lab Sample ID:	I.BLK-PP073919.D	Matrix:	WATER
Analytical Method:	608.3	% 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
PP073919.D	1		07/17/25	pp071725

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		70 (60) - 130 (140)	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		70 (60) - 130 (140)	91%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168905BS	SDG No.:	Q2594
Lab Sample ID:	PB168905BS	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 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
PP073906.D	1	07/17/25 09:20	07/17/25 16:52	PB168905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.050	J	0.0097	0.050	ug/L
11104-28-2	Aroclor-1221	0.013	U	0.013	0.050	ug/L
11141-16-5	Aroclor-1232	0.0096	U	0.0096	0.050	ug/L
53469-21-9	Aroclor-1242	0.012	U	0.012	0.050	ug/L
12672-29-6	Aroclor-1248	0.0071	U	0.0071	0.050	ug/L
11097-69-1	Aroclor-1254	0.0094	U	0.0094	0.050	ug/L
11096-82-5	Aroclor-1260	0.045	JP	0.0081	0.050	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		70 (60) - 130 (140)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		70 (60) - 130 (140)	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	Cooper Chemical - Long Valley NJ 2-COOP-ANS	Date Received:	
Client Sample ID:	PB168905BSD	SDG No.:	Q2594
Lab Sample ID:	PB168905BSD	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 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
PP073907.D	1	07/17/25 09:20	07/17/25 17:08	PB168905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.049	J	0.0097	0.050	ug/L
11104-28-2	Aroclor-1221	0.013	U	0.013	0.050	ug/L
11141-16-5	Aroclor-1232	0.0096	U	0.0096	0.050	ug/L
53469-21-9	Aroclor-1242	0.012	U	0.012	0.050	ug/L
12672-29-6	Aroclor-1248	0.0071	U	0.0071	0.050	ug/L
11097-69-1	Aroclor-1254	0.0094	U	0.0094	0.050	ug/L
11096-82-5	Aroclor-1260	0.044	JP	0.0081	0.050	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		70 (60) - 130 (140)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		70 (60) - 130 (140)	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

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 **Contract:** ENVI60

Lab Code: ACE **SDG NO.:** Q2594

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D

RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1016-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1016-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1016-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-5	(5)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1260-1	(1)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-2	(2)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1260-4	(4)	8.06	8.07	8.06	8.07	8.06	8.06	7.96	8.16
Aroclor-1260-5	(5)	8.38	8.38	8.38	8.39	8.38	8.38	8.28	8.48
Decachlorobiphenyl		10.18	10.18	10.18	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1242-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1242-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1242-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1242-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1248-1	(1)	5.64	5.64	5.64	5.64	5.63	5.64	5.54	5.74
Aroclor-1248-2	(2)	5.91	5.91	5.91	5.91	5.91	5.91	5.81	6.01
Aroclor-1248-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1248-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1248-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1254-1	(1)	6.49	6.49	6.49	6.48	6.49	6.49	6.39	6.59
Aroclor-1254-2	(2)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1254-3	(3)	7.07	7.07	7.06	7.06	7.06	7.07	6.97	7.17
Aroclor-1254-4	(4)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-5	(5)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59

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.:** Q2594

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D

RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-2	(2)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1016-4	(4)	5.10	5.10	5.09	5.10	5.09	5.09	4.99	5.19
Aroclor-1016-5	(5)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1260-4	(4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1242-2	(2)	4.87	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1248-2	(2)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88

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.:** Q2594

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP073554.D CF 750 = PP073555.D

CF 500 = PP073556.D CF 250 = PP073557.D CF 050 = PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42452248	45617859	47138872	50511676	51847220	47513575	8
Aroclor-1016-2	(2)	66518124	70141979	72048808	76716636	70648900	71214889	5
Aroclor-1016-3	(3)	39961628	42046196	44162638	46389840	45755080	43663076	6
Aroclor-1016-4	(4)	33606097	35475740	36592056	38460728	35593260	35945576	5
Aroclor-1016-5	(5)	30910810	31971305	32786356	34274032	26709560	31330413	9
Aroclor-1260-1	(1)	55735594	57789364	59663732	63324028	58293500	58961244	5
Aroclor-1260-2	(2)	82256765	86873544	90393892	97973444	121701660	95839861	16
Aroclor-1260-3	(3)	71122512	73727981	74691298	76804056	69007300	73070629	4
Aroclor-1260-4	(4)	63951646	66011447	66730410	69035472	60770420	65299879	5
Aroclor-1260-5	(5)	147606205	151816095	154896322	160840336	139104740	150852740	5
Decachlorobiphenyl		1075002490	1114272707	1146110620	1163852360	956024000	1091052435	8
Tetrachloro-m-xylene		1314627420	1370591720	1413189460	1469047800	1280173600	1369526000	6
Aroclor-1242-1	(1)	37824570	38531545	40764028	42347748	31473220	38188222	11
Aroclor-1242-2	(2)	59433539	58987884	63134254	65007836	52846680	59882039	8
Aroclor-1242-3	(3)	35307728	35832168	38067086	39311740	34585840	36620912	5
Aroclor-1242-4	(4)	29431539	30211543	31738592	32275500	37022940	32136023	9
Aroclor-1242-5	(5)	31742412	31628361	33353228	35089048	31871320	32736874	5
Decachlorobiphenyl		1095703140	1117596867	1144519060	1154694600	992628000	1101028333	6
Tetrachloro-m-xylene		1336424670	1349665200	1427212360	1438929280	1262569400	1362960182	5
Aroclor-1248-1	(1)	29290065	30340729	31459936	34321104	28940820	30870531	7
Aroclor-1248-2	(2)	37625323	39736876	40535254	44074952	37644360	39923353	7
Aroclor-1248-3	(3)	43927993	45846956	46075290	48569104	37628800	44409629	9
Aroclor-1248-4	(4)	53376796	55925132	57147446	59774616	49178580	55080514	7
Aroclor-1248-5	(5)	51803368	53704276	55758942	57942584	49744040	53790642	6
Decachlorobiphenyl		1098016930	1133084880	1145143920	1172914800	889666400	1087765386	10
Tetrachloro-m-xylene		1321954420	1371326347	1415433040	1456874560	1240770200	1361271713	6
Aroclor-1254-1	(1)	50900598	53159759	55209204	57116384	51561700	53589529	5
Aroclor-1254-2	(2)	77237012	80519573	82538946	86348708	89800160	83288880	6
Aroclor-1254-3	(3)	83677544	86010903	88492372	92072040	91405580	88331688	4
Aroclor-1254-4	(4)	74438148	76222969	79592040	81854844	81227180	78667036	4
Aroclor-1254-5	(5)	71888659	74572743	74620102	76347748	70969780	73679806	3
Decachlorobiphenyl		1107439250	1132832533	1145288580	1145076280	1133429800	1132813289	1
Tetrachloro-m-xylene		1351624000	1395660893	1401155480	1465561640	1387618000	1400324003	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.:** Q2594

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP073554.D CF 750 = PP073555.D

CF 500 = PP073556.D CF 250 = PP073557.D CF 050 = PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	63548895	66956692	68520980	73175628	68671440	68174727	5
Aroclor-1016-2	(2)	95987811	99810097	102589296	109872788	101161940	101884386	5
Aroclor-1016-3	(3)	50406684	53112144	54849034	57930668	54233060	54106318	5
Aroclor-1016-4	(4)	39688708	42104989	43896956	47040184	46673360	43880839	7
Aroclor-1016-5	(5)	50298801	53487816	55660288	59272232	54193420	54582511	6
Aroclor-1260-1	(1)	89335231	94510516	99471332	104207304	100277120	97560301	6
Aroclor-1260-2	(2)	113000947	118559808	124003550	129850992	128772620	122837583	6
Aroclor-1260-3	(3)	102918015	108414332	112293296	117668340	106025080	109463813	5
Aroclor-1260-4	(4)	82942909	90440599	92349274	96325208	84984160	89408430	6
Aroclor-1260-5	(5)	218347404	234684793	232225124	233707816	204717920	224736611	6
Decachlorobiphenyl		1288482360	1338938240	1324505420	1466524480	1197294400	1323148980	7
Tetrachloro-m-xylene		1774031450	1893159427	1873404460	1944042160	1726825000	1842292499	5
Aroclor-1242-1	(1)	53636877	56644489	60339480	62120840	56082120	57764761	6
Aroclor-1242-2	(2)	81745742	82323689	88927402	91756504	87517600	86454187	5
Aroclor-1242-3	(3)	43191003	44194741	47579930	48843488	45924140	45946660	5
Aroclor-1242-4	(4)	40719317	41867060	45117014	46860680	46752460	44263306	6
Aroclor-1242-5	(5)	53173633	53609452	57067394	58584716	53777140	55242467	4
Decachlorobiphenyl		1306642480	1369985587	1353011840	1407476720	1194819200	1326387165	6
Tetrachloro-m-xylene		1787240920	1786937067	1893455580	1997751320	1666197200	1826316417	7
Aroclor-1248-1	(1)	41993150	43590469	45185544	49843992	43861300	44894891	7
Aroclor-1248-2	(2)	55737799	58586344	61889020	66706936	64762540	61536528	7
Aroclor-1248-3	(3)	58429721	61323012	64407590	69469512	66692820	64064531	7
Aroclor-1248-4	(4)	68661033	72026459	75308372	81734520	79156680	75377413	7
Aroclor-1248-5	(5)	69725277	73210425	76423314	81696724	71898780	74590904	6
Decachlorobiphenyl		1298382400	1392805453	1360355620	1440840840	1158845800	1330246023	8
Tetrachloro-m-xylene		1855486030	1865559853	1910416600	1967065360	1674658000	1854637169	6
Aroclor-1254-1	(1)	105364555	111697468	112323806	121711620	129052960	116030082	8
Aroclor-1254-2	(2)	90612135	96205700	96079760	105129084	115091100	100623556	10
Aroclor-1254-3	(3)	142515413	152219476	152099148	162118636	163279600	154446455	6
Aroclor-1254-4	(4)	86996505	93901768	94351020	100389560	97157080	94559187	5
Aroclor-1254-5	(5)	123596587	131044949	130737444	141046724	140798600	133444861	6
Decachlorobiphenyl		1348192280	1398430560	1372338640	1507697520	1377457800	1400823360	4
Tetrachloro-m-xylene		1809940380	1949806187	1892015400	1932532480	1944382600	1905735409	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.:** Q2594

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 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	4.69	4.59	4.79	17866400
		2	4.78	4.68	4.88	13504500
		3	4.85	4.75	4.95	41604800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	32650800
		2	5.37	5.27	5.47	16254700
		3	5.66	5.56	5.76	32993400
		4	5.82	5.72	5.92	16445200
		5	5.91	5.81	6.01	10570400

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.:** Q2594

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 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	3.99	3.89	4.09	27045000
		2	4.08	3.98	4.18	20360400
		3	4.15	4.05	4.25	61448600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	46614400
		2	4.88	4.78	4.98	47659800
		3	5.05	4.95	5.15	25029000
		4	5.14	5.04	5.24	21656200
		5	5.31	5.21	5.41	22563400

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.:** Q2594

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:14 **Initial Calibration Time(s):** 21:03 04:24

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	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.:** Q2594

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:14 **Initial Calibration Time(s):** 21:03 04:24

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)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073900.D **Time Analyzed:** 15:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.638	5.539	5.739	435.120	500.000	-13.0
Aroclor-1016-2	5.659	5.560	5.760	470.800	500.000	-5.8
Aroclor-1016-3	5.721	5.622	5.822	462.990	500.000	-7.4
Aroclor-1016-4	5.819	5.720	5.920	472.210	500.000	-5.6
Aroclor-1016-5	6.110	6.012	6.212	486.830	500.000	-2.6
Aroclor-1260-1	7.227	7.129	7.329	455.220	500.000	-9.0
Aroclor-1260-2	7.480	7.383	7.583	394.090	500.000	-21.2
Aroclor-1260-3	7.838	7.740	7.940	445.660	500.000	-10.9
Aroclor-1260-4	8.062	7.964	8.164	460.080	500.000	-8.0
Aroclor-1260-5	8.379	8.283	8.483	463.780	500.000	-7.2
Decachlorobiphenyl	10.172	10.076	10.276	48.620	50.000	-2.8
Tetrachloro-m-xylene	4.487	4.388	4.588	49.820	50.000	-0.4

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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073900.D **Time Analyzed:** 15:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.854	4.758	4.958	510.520	500.000	2.1
Aroclor-1016-2	4.872	4.775	4.975	518.050	500.000	3.6
Aroclor-1016-3	5.048	4.951	5.151	527.740	500.000	5.5
Aroclor-1016-4	5.090	4.993	5.193	522.440	500.000	4.5
Aroclor-1016-5	5.303	5.207	5.407	560.430	500.000	12.1
Aroclor-1260-1	6.333	6.237	6.437	495.700	500.000	-0.9
Aroclor-1260-2	6.521	6.425	6.625	504.980	500.000	1.0
Aroclor-1260-3	6.673	6.577	6.777	488.090	500.000	-2.4
Aroclor-1260-4	7.142	7.046	7.246	509.160	500.000	1.8
Aroclor-1260-5	7.385	7.289	7.489	510.270	500.000	2.1
Decachlorobiphenyl	8.774	8.680	8.880	55.180	50.000	10.4
Tetrachloro-m-xylene	3.777	3.678	3.878	51.470	50.000	2.9

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.:** Q2594

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:08 **Initial Calibration Time(s):** 21:03 04:24

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	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.:** Q2594

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:08 **Initial Calibration Time(s):** 21:03 04:24

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)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	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.:** Q2594

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073915.D **Time Analyzed:** 20:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.635	5.539	5.739	437.240	500.000	-12.6
Aroclor-1016-2	5.656	5.560	5.760	466.120	500.000	-6.8
Aroclor-1016-3	5.719	5.622	5.822	461.790	500.000	-7.6
Aroclor-1016-4	5.816	5.720	5.920	470.970	500.000	-5.8
Aroclor-1016-5	6.108	6.012	6.212	489.050	500.000	-2.2
Aroclor-1260-1	7.225	7.129	7.329	468.890	500.000	-6.2
Aroclor-1260-2	7.478	7.383	7.583	403.420	500.000	-19.3
Aroclor-1260-3	7.836	7.740	7.940	450.340	500.000	-9.9
Aroclor-1260-4	8.060	7.964	8.164	459.360	500.000	-8.1
Aroclor-1260-5	8.377	8.283	8.483	466.750	500.000	-6.7
Decachlorobiphenyl	10.171	10.076	10.276	49.470	50.000	-1.1
Tetrachloro-m-xylene	4.484	4.388	4.588	49.580	50.000	-0.8

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.:** Q2594

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073915.D **Time Analyzed:** 20:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.854	4.758	4.958	505.390	500.000	1.1
Aroclor-1016-2	4.872	4.775	4.975	518.060	500.000	3.6
Aroclor-1016-3	5.048	4.951	5.151	518.280	500.000	3.7
Aroclor-1016-4	5.090	4.993	5.193	512.730	500.000	2.5
Aroclor-1016-5	5.303	5.207	5.407	567.650	500.000	13.5
Aroclor-1260-1	6.333	6.237	6.437	511.880	500.000	2.4
Aroclor-1260-2	6.521	6.425	6.625	526.500	500.000	5.3
Aroclor-1260-3	6.673	6.577	6.777	507.420	500.000	1.5
Aroclor-1260-4	7.142	7.046	7.246	520.360	500.000	4.1
Aroclor-1260-5	7.385	7.289	7.489	525.190	500.000	5.0
Decachlorobiphenyl	8.775	8.680	8.880	57.340	50.000	14.7
Tetrachloro-m-xylene	3.777	3.678	3.878	51.770	50.000	3.5

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.:** Q2594

Project: Cooper Chemical - Long Valley NJ 2-COOP- **Instrument ID:** ECD_P

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	20:30	PP073553.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	10.18	4.49
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	10.18	4.49
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	10.17	4.49
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	10.18	4.49
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	10.17	4.49
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	10.17	4.49
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	10.17	4.49
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	10.18	4.49
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	10.17	4.49
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	10.17	4.49
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	10.17	4.49
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/17/2025	15:14	PP073900.D	10.17	4.49
I.BLK	I.BLK	07/17/2025	16:19	PP073904.D	10.17	4.49
PB168905BL	PB168905BL	07/17/2025	16:35	PP073905.D	10.17	4.49
PB168905BS	PB168905BS	07/17/2025	16:52	PP073906.D	10.17	4.49
PB168905BSD	PB168905BSD	07/17/2025	17:08	PP073907.D	10.17	4.49
CC-071325-RW	Q2594-01	07/17/2025	18:14	PP073911.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/17/2025	20:08	PP073915.D	10.17	4.48
I.BLK	I.BLK	07/17/2025	21:46	PP073919.D	10.17	4.49

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.:** Q2594

Project: Cooper Chemical - Long Valley NJ 2-COOP- **Instrument ID:** ECD_P

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	20:30	PP073553.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	8.78	3.78
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	8.78	3.78
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	8.78	3.78
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	8.78	3.78
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	8.78	3.78
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	8.78	3.78
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	8.78	3.78
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	8.78	3.78
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	8.78	3.78
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	8.78	3.78
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	8.78	3.78
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	8.78	3.78
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	8.78	3.78
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	8.78	3.78
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	8.78	3.78
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	8.78	3.78
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	8.78	3.78
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	8.78	3.78
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	8.78	3.78
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	8.78	3.78
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	8.78	3.78
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	8.78	3.78
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	8.78	3.78
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	8.78	3.78
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/17/2025	15:14	PP073900.D	8.77	3.78
I.BLK	I.BLK	07/17/2025	16:19	PP073904.D	8.78	3.78
PB168905BL	PB168905BL	07/17/2025	16:35	PP073905.D	8.78	3.78
PB168905BS	PB168905BS	07/17/2025	16:52	PP073906.D	8.78	3.78
PB168905BSD	PB168905BSD	07/17/2025	17:08	PP073907.D	8.77	3.78
CC-071325-RW	Q2594-01	07/17/2025	18:14	PP073911.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/17/2025	20:08	PP073915.D	8.78	3.78
I.BLK	I.BLK	07/17/2025	21:46	PP073919.D	8.77	3.78

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168905BS

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2594

Lab Sample ID: PB168905BS Date(s) Analyzed: 07/17/2025 07/17/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP073906.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.636	5.586	5.686	0.050		
	2	5.657	5.607	5.707	0.051		
	3	5.719	5.669	5.769	0.053		
COLUMN 1	4	5.817	5.767	5.867	0.050		
	5	6.109	6.059	6.159	0.044	0.050	
	1	4.856	4.806	4.906	0.058		
	2	4.873	4.823	4.923	0.057		
	3	5.049	4.999	5.099	0.056		
	4	5.091	5.041	5.141	0.057		
COLUMN 2	5	5.304	5.254	5.354	0.053	0.056	12.68
Aroclor-1260	1	7.226	7.176	7.276	0.050		
	2	7.48	7.43	7.53	0.048		
	3	7.837	7.787	7.887	0.039		
COLUMN 1	4	8.061	8.011	8.111	0.045		
	5	8.379	8.329	8.429	0.042	0.045	
	1	6.333	6.283	6.383	0.061		
	2	6.522	6.472	6.572	0.067		
	3	6.674	6.624	6.724	0.058		
	4	7.143	7.093	7.193	0.056		
COLUMN 2	5	7.385	7.335	7.435	0.052	0.059	27.63

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168905BSD

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG NO.: Q2594
Lab Sample ID: PB168905BSD
Date(s) Analyzed: 07/17/2025 07/17/2025
Instrument ID (1): ECD_P
Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP073907.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.638	5.588	5.688	0.048		
	2	5.66	5.61	5.71	0.049		
	3	5.722	5.672	5.772	0.052		
COLUMN 1	4	5.819	5.769	5.869	0.050		
	5	6.111	6.061	6.161	0.046	0.049	
	1	4.855	4.805	4.905	0.060		
	2	4.872	4.822	4.922	0.057		
	3	5.048	4.998	5.098	0.056		
	4	5.09	5.04	5.14	0.057		
COLUMN 2	5	5.303	5.253	5.353	0.054	0.057	14.74
Aroclor-1260	1	7.228	7.178	7.278	0.050		
	2	7.482	7.432	7.532	0.047		
	3	7.84	7.79	7.89	0.039		
COLUMN 1	4	8.064	8.014	8.114	0.043		
	5	8.381	8.331	8.431	0.041	0.044	
	1	6.333	6.283	6.383	0.060		
	2	6.522	6.472	6.572	0.065		
	3	6.673	6.623	6.723	0.054		
	4	7.142	7.092	7.192	0.052		
COLUMN 2	5	7.384	7.334	7.434	0.051	0.057	25.05

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 18:14
Operator : YP\AJ
Sample : Q2594-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
CC-071325-RW

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.780	27112758	72389663	19.797m	39.293m#
2)	SA Decachlor...	10.171	8.775	15448391	20161325	14.159	15.237
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

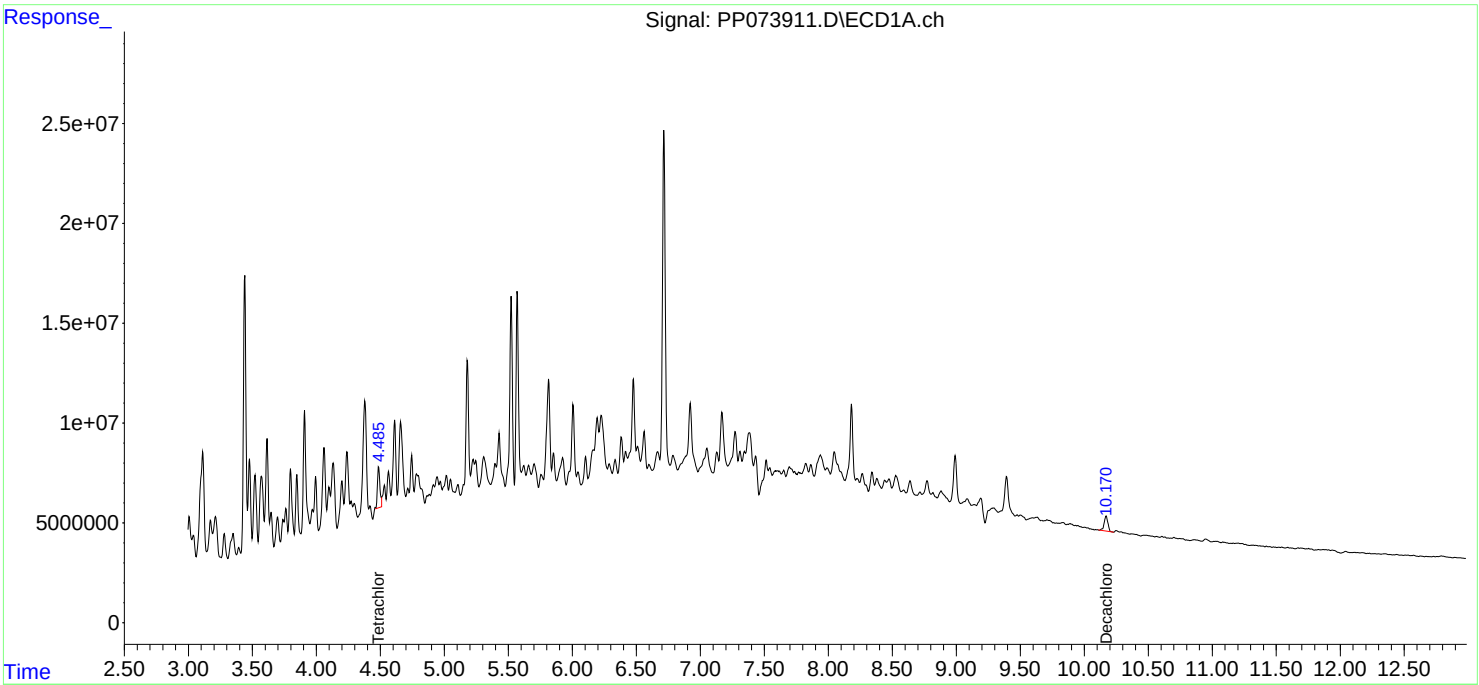
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 18:14
Operator : YP\AJ
Sample : Q2594-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

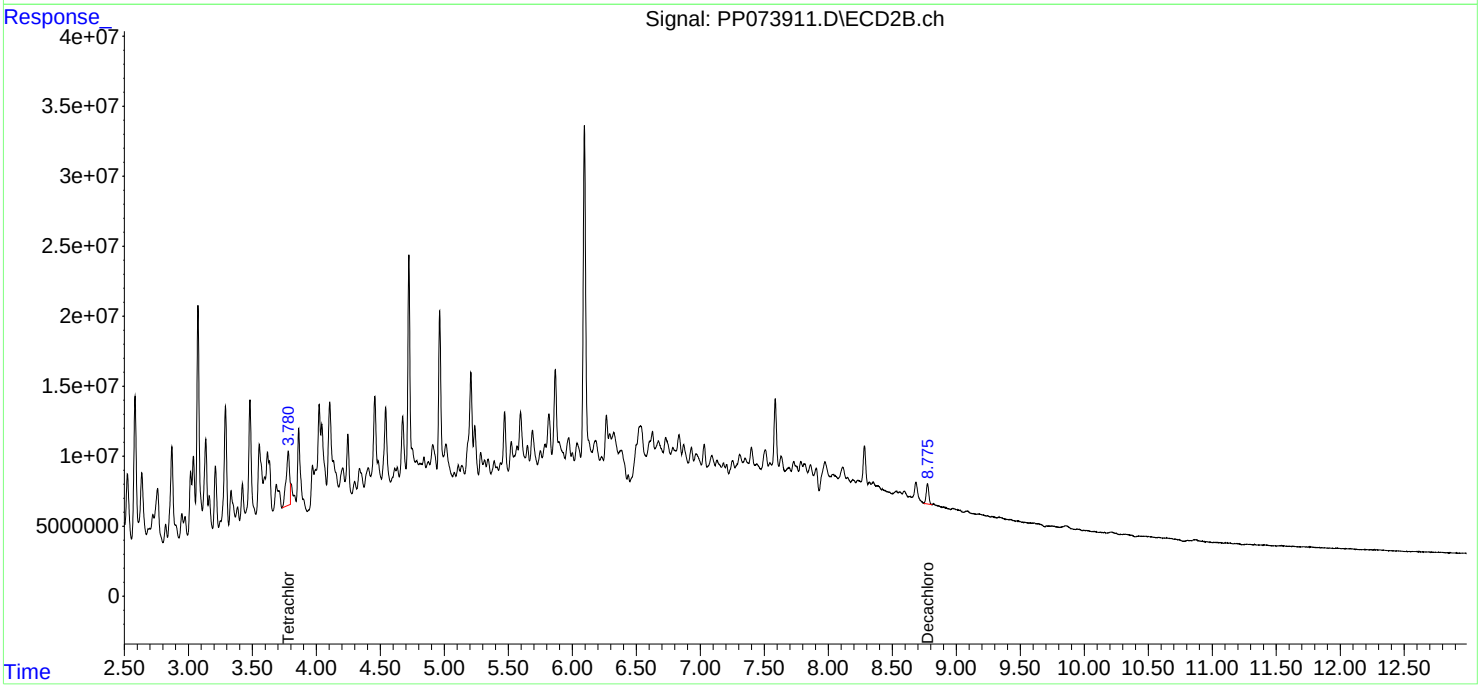
Instrument :
ECD_P
ClientSampleId :
CC-071325-RW

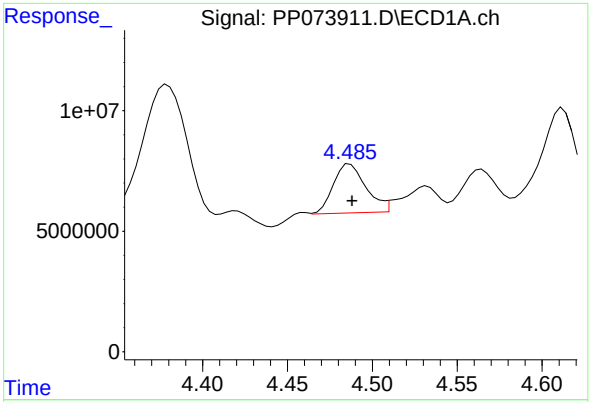
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







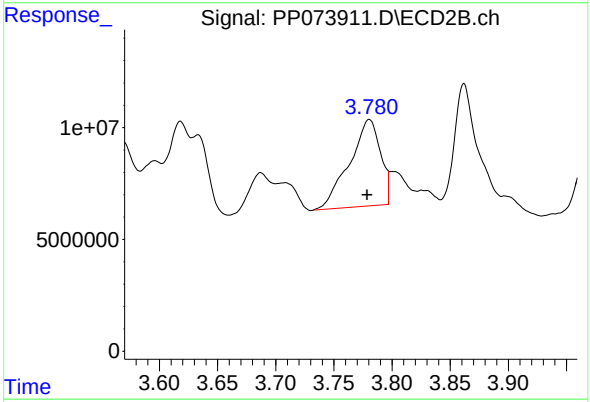
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 27112758
Conc: 19.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
CC-071325-RW

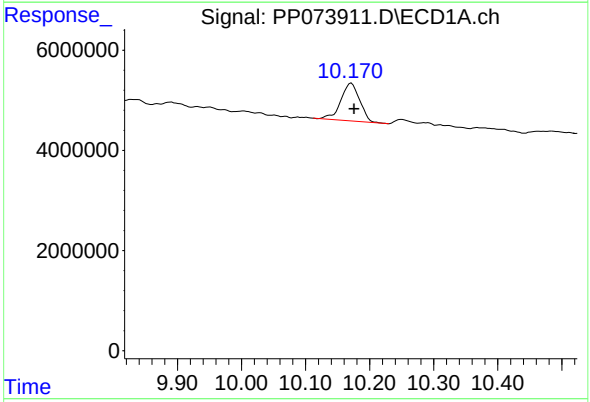
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/29/2025



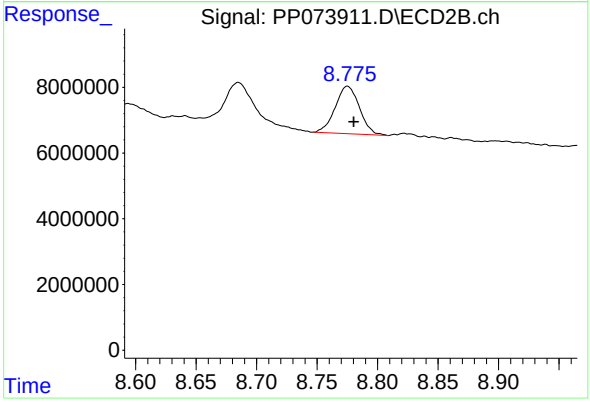
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.001 min
Response: 72389663
Conc: 39.29 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 15448391
Conc: 14.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.005 min
Response: 20161325
Conc: 15.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:35
Operator : YP\AJ
Sample : PB168905BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168905BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.778	29331067	42487170	21.417	23.062
2)	SA Decachlor...	10.173	8.775	22683843	31917305	20.791	24.122
	Target Compounds						

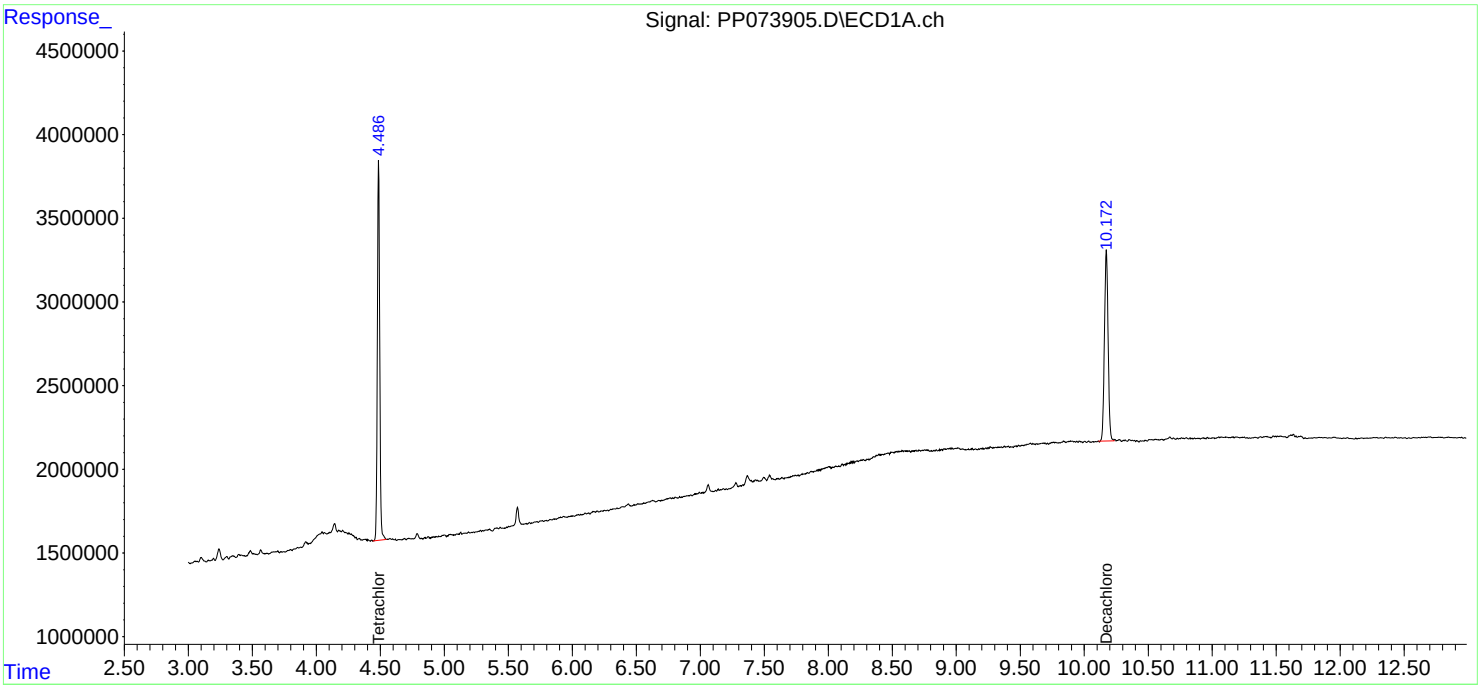
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

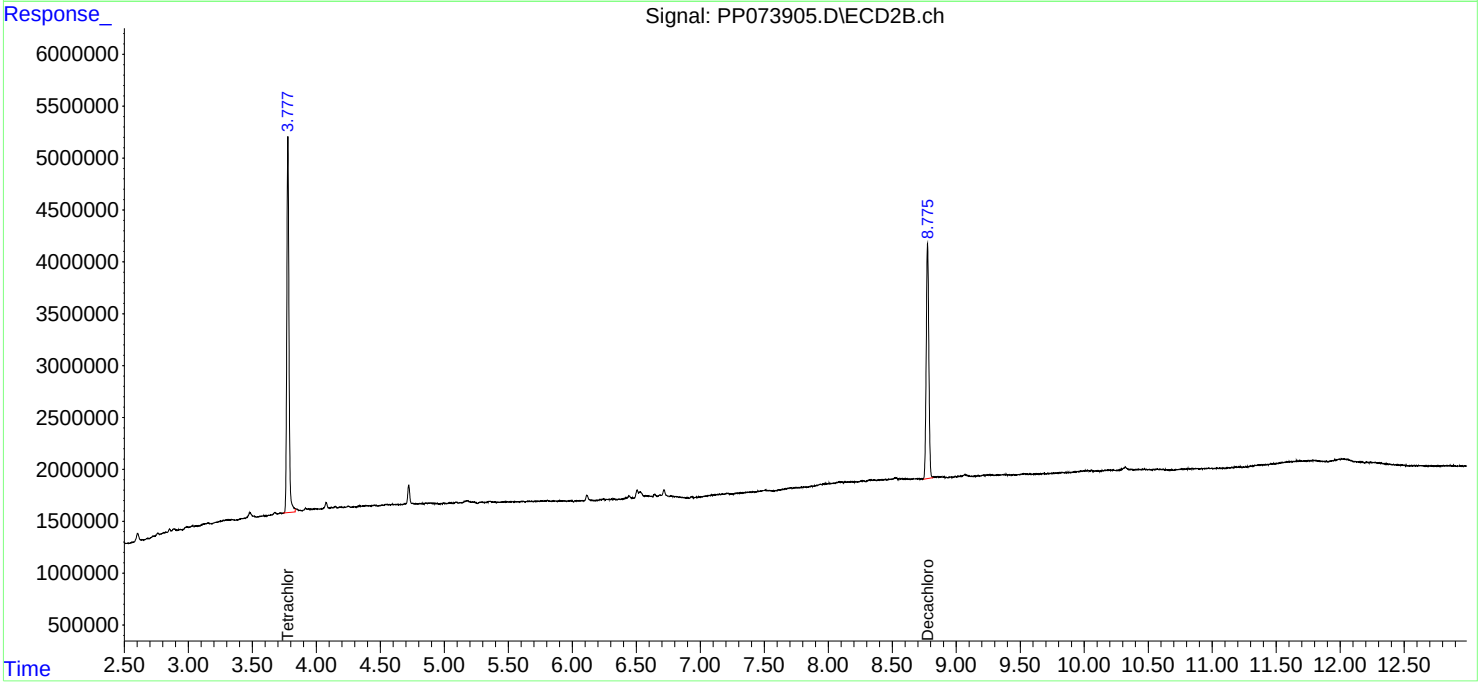
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:35
Operator : YP\AJ
Sample : PB168905BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

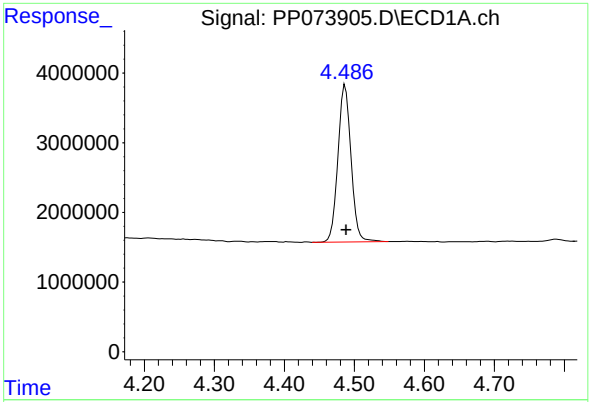
Instrument :
ECD_P
ClientSampleId :
PB168905BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



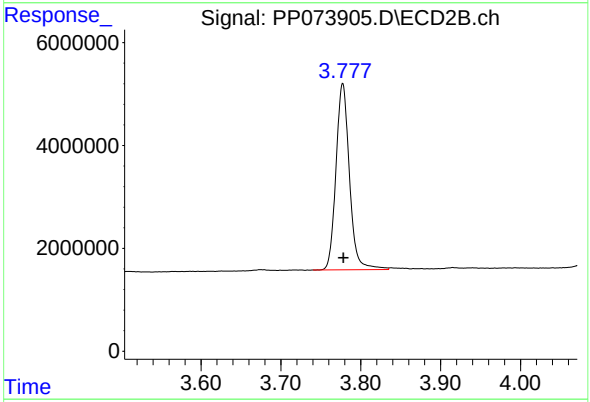




#1 Tetrachloro-m-xylene

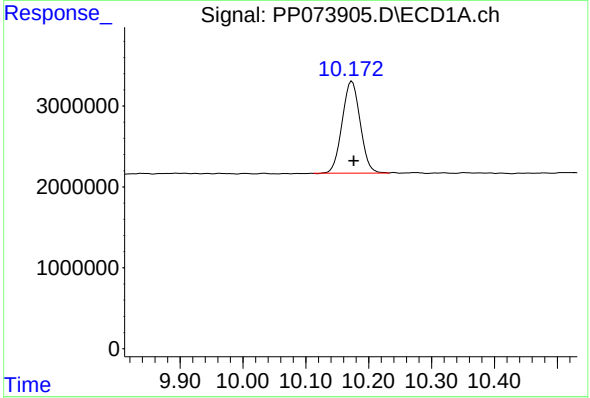
R.T.: 4.487 min
Delta R.T.: -0.001 min
Response: 29331067
Conc: 21.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168905BL



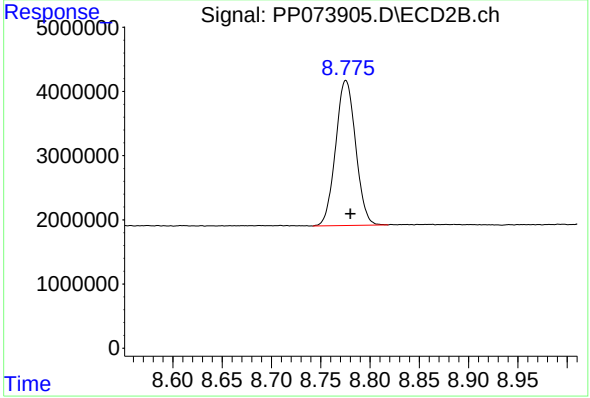
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 42487170
Conc: 23.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.003 min
Response: 22683843
Conc: 20.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.005 min
Response: 31917305
Conc: 24.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:52
Operator : YP\AJ
Sample : PB168905BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168905BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.778	29366299	42709702	21.443	23.183
2)	SA Decachlor...	10.171	8.776	22989129	31743523	21.071	23.991
	Target Compounds						
3)	L1 AR-1016-1	5.636	4.856	2364022	3958184	49.755	58.059
4)	L1 AR-1016-2	5.657	4.873	3604008	5820276	50.608	57.126
5)	L1 AR-1016-3	5.719	5.049	2310746	3028548	52.922	55.974
6)	L1 AR-1016-4	5.817	5.091	1799116	2507217	50.051	57.137
7)	L1 AR-1016-5	6.109	5.304	1386600	2887774	44.257	52.907
31)	L7 AR-1260-1	7.226	6.333	2952689	5963326	50.078	61.125
32)	L7 AR-1260-2	7.480	6.522	4584221	8285981	47.832	67.455 #
33)	L7 AR-1260-3	7.837	6.674	2822692	6319936	38.630	57.735 #
34)	L7 AR-1260-4	8.061	7.143	2930051	5000575	44.871	55.930
35)	L7 AR-1260-5	8.379	7.385	6301091	11735572	41.770	52.219 #

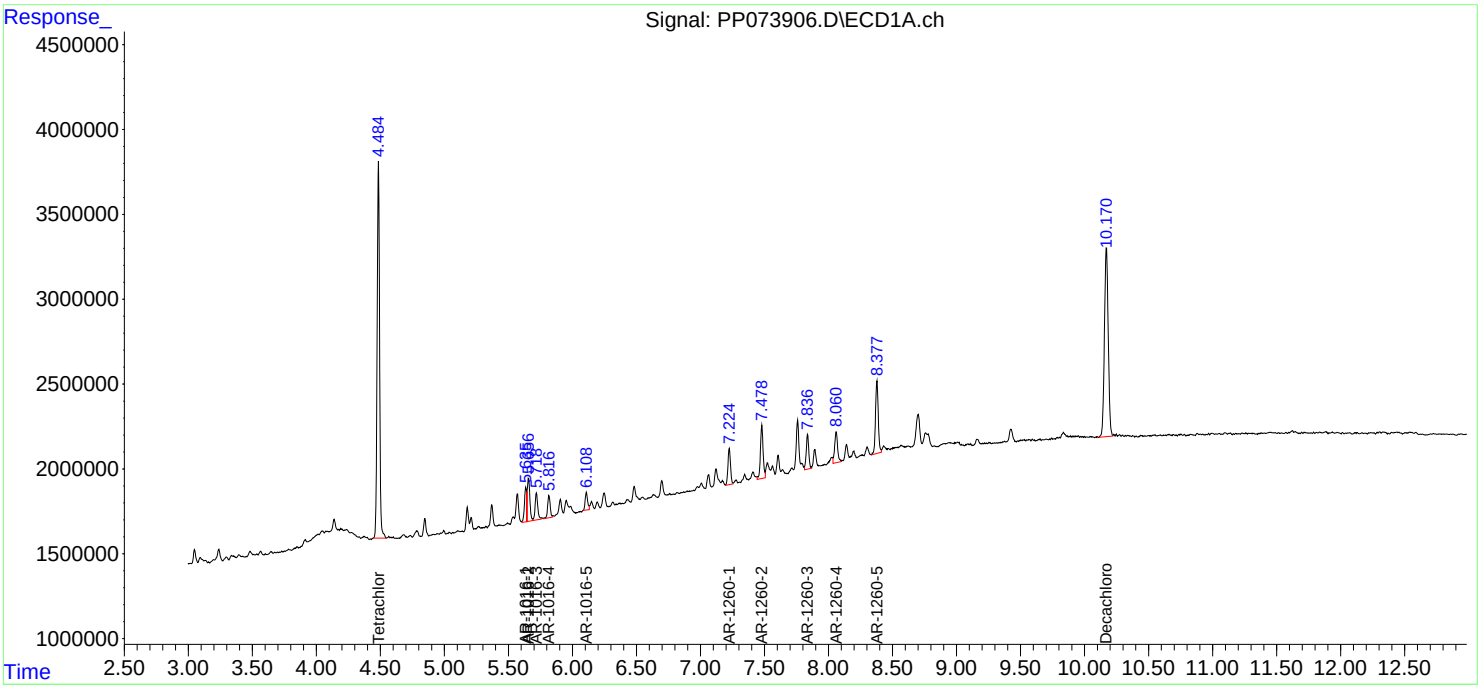
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

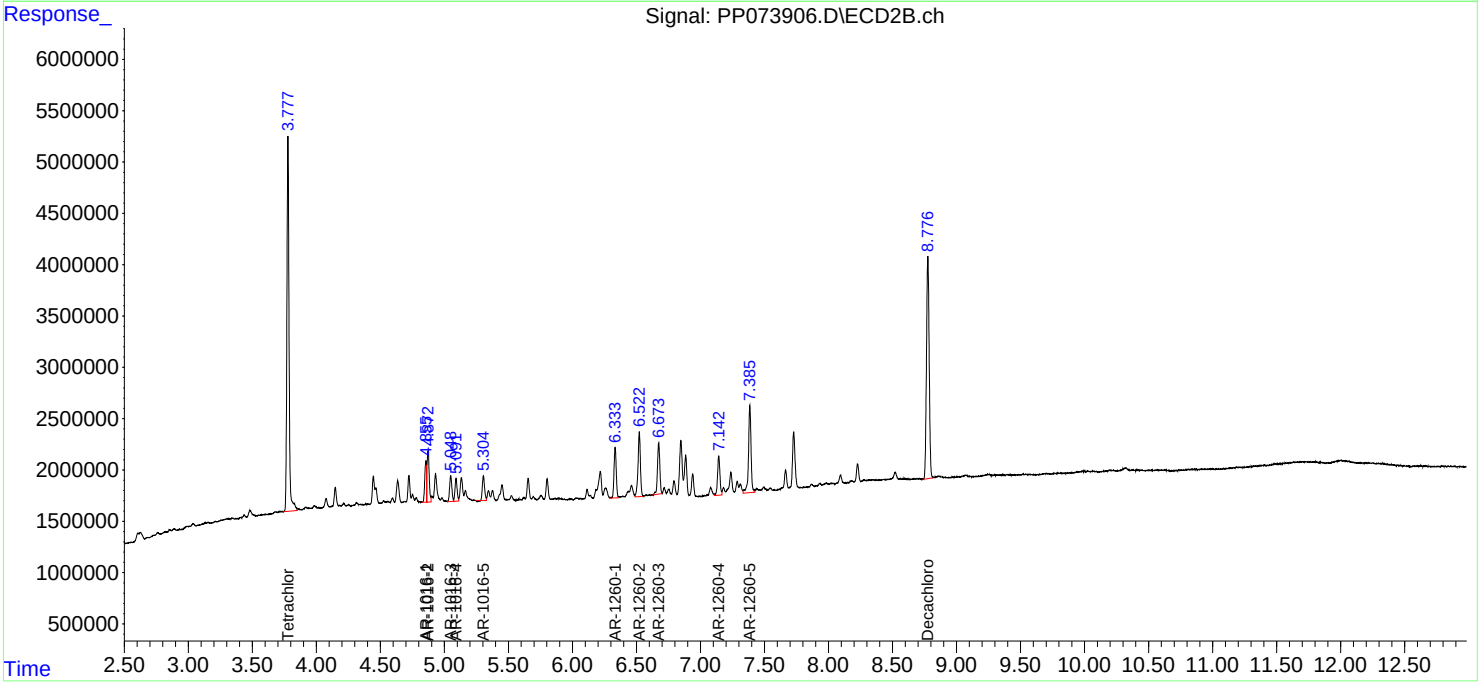
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:52
Operator : YP\AJ
Sample : PB168905BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168905BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:08
Operator : YP\AJ
Sample : PB168905BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168905BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.487	3.777	29003463	41034423	21.178	22.274	
2)	SA Decachlor...	10.174	8.774	22320948	31896173	20.458	24.106	
	Target Compounds							
3)	L1 AR-1016-1	5.638	4.855	2285570	4123452	48.104	60.484	#
4)	L1 AR-1016-2	5.660	4.872	3467505	5782957	48.691	56.760	
5)	L1 AR-1016-3	5.722	5.048	2282686	3003012	52.280	55.502	
6)	L1 AR-1016-4	5.819	5.090	1789056	2494341	49.771	56.844	
7)	L1 AR-1016-5	6.111	5.303	1446604	2962127	46.173	54.269	
31)	L7 AR-1260-1	7.228	6.333	2944747	5888662	49.944	60.359	
32)	L7 AR-1260-2	7.482	6.522	4474522	8015057	46.687	65.249	#
33)	L7 AR-1260-3	7.840	6.673	2869203	5939044	39.266	54.256	#
34)	L7 AR-1260-4	8.064	7.142	2835579	4675355	43.424	52.292	
35)	L7 AR-1260-5	8.381	7.384	6110926	11443542	40.509	50.920	#

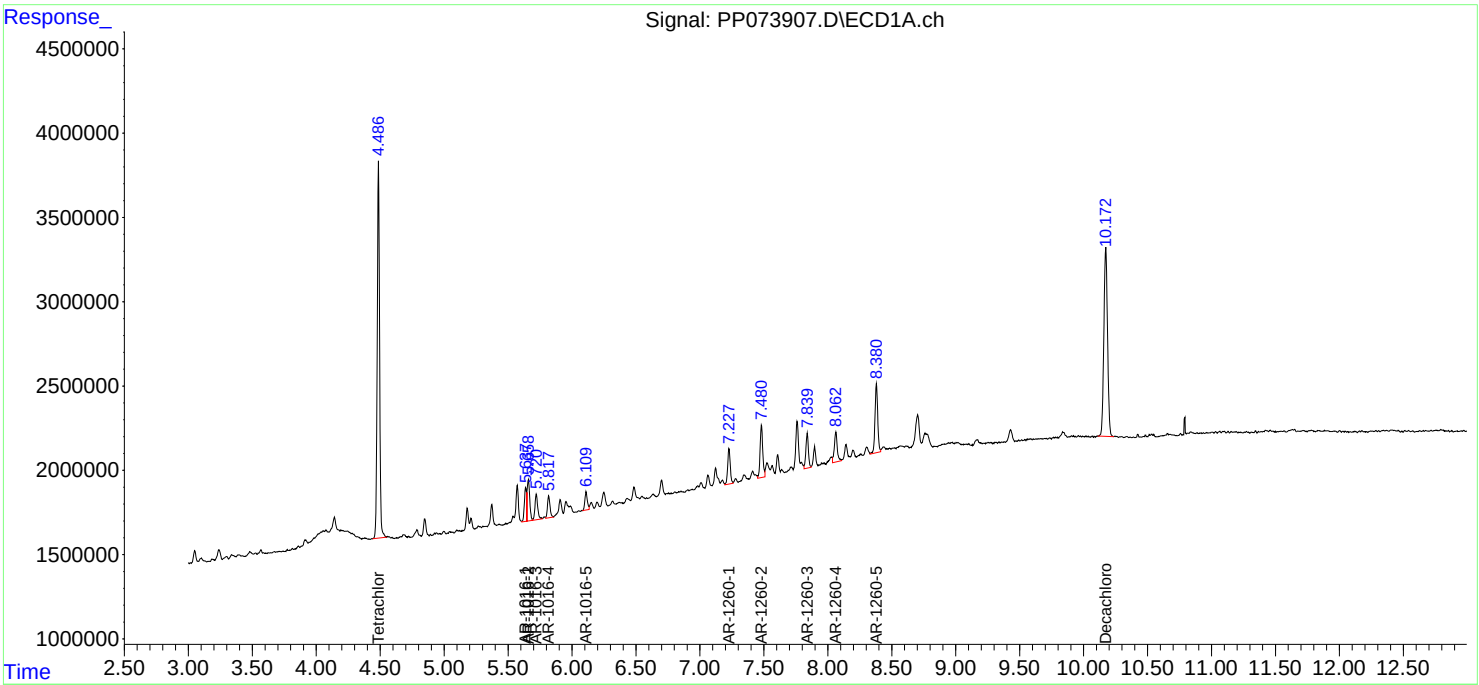
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

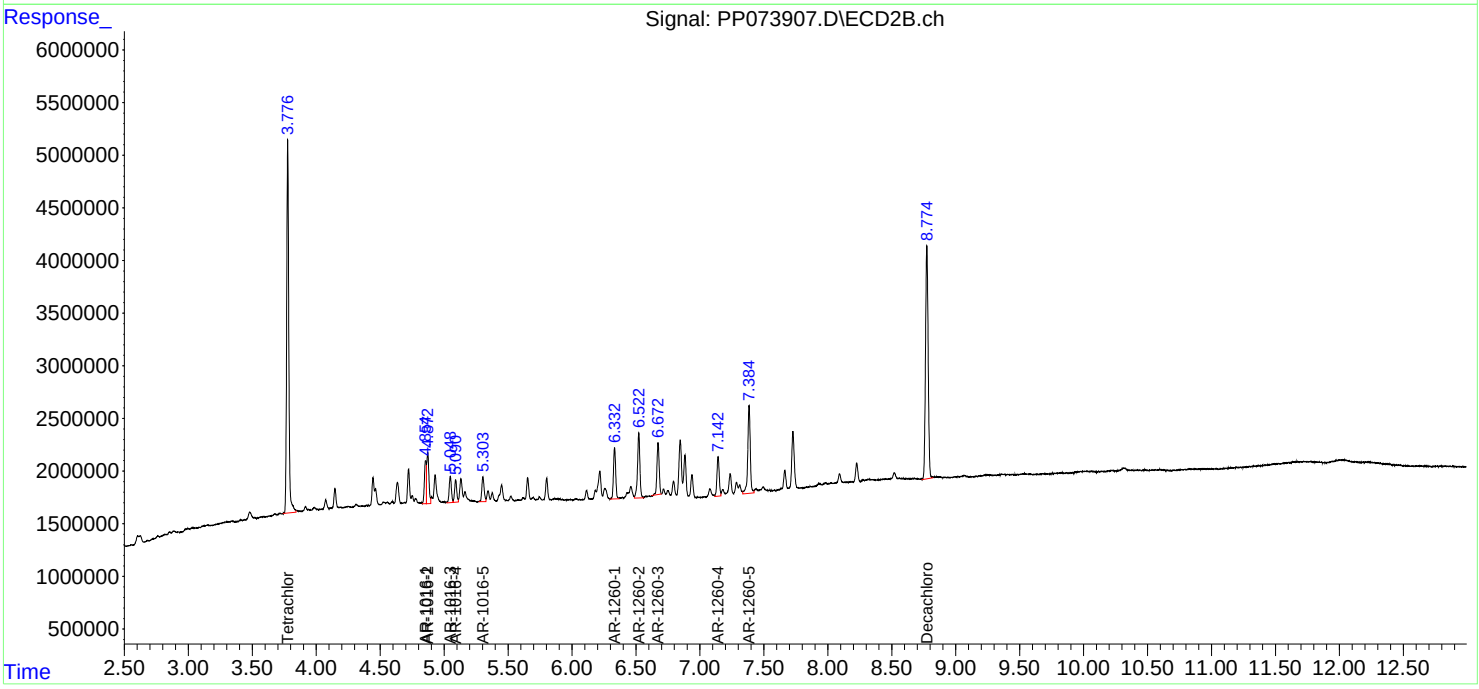
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071725\
Data File : PP073907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:08
Operator : YP\AJ
Sample : PB168905BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168905BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 01:22:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 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:	pp070825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP073557.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC250	PP073557.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1016-1	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-1 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-1	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-2	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-3	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-5	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-1	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-4	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-5	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp070825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP073575.D	AR-1254-1	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-2	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-3	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-4	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC250	PP073580.D	AR-1268-1 #2	yogesh	7/8/2025 8:51:24 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC050	PP073581.D	AR-1268-5	yogesh	7/8/2025 8:51:26 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP071725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2594-01	PP073911.D	Tetrachloro-m-xylene	yogesh	7/29/2025 7:27:10 AM	mohammad	7/29/2025 7:49:50	Peak Integrated by Software
Q2594-01	PP073911.D	Tetrachloro-m-xylene #2	yogesh	7/29/2025 7:27:10 AM	mohammad	7/29/2025 7:49:50	Peak Integrated by Software

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073552.D	07 Jul 2025 20:13	YP\AJ	Ok
2	I.BLK	PP073553.D	07 Jul 2025 20:30	YP\AJ	Ok
3	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03	YP\AJ	Ok
4	AR1660ICC750	PP073555.D	07 Jul 2025 21:19	YP\AJ	Ok
5	AR1660ICC500	PP073556.D	07 Jul 2025 21:35	YP\AJ	Ok
6	AR1660ICC250	PP073557.D	07 Jul 2025 21:52	YP\AJ	Ok,M
7	AR1660ICC050	PP073558.D	07 Jul 2025 22:08	YP\AJ	Ok,M
8	AR1221ICC500	PP073559.D	07 Jul 2025 22:24	YP\AJ	Ok
9	AR1232ICC500	PP073560.D	07 Jul 2025 22:41	YP\AJ	Ok
10	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57	YP\AJ	Ok
11	AR1242ICC750	PP073562.D	07 Jul 2025 23:14	YP\AJ	Ok
12	AR1242ICC500	PP073563.D	07 Jul 2025 23:30	YP\AJ	Ok
13	AR1242ICC250	PP073564.D	07 Jul 2025 23:46	YP\AJ	Ok
14	AR1242ICC050	PP073565.D	08 Jul 2025 00:03	YP\AJ	Ok,M
15	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19	YP\AJ	Ok
16	AR1248ICC750	PP073567.D	08 Jul 2025 00:35	YP\AJ	Ok
17	AR1248ICC500	PP073568.D	08 Jul 2025 00:52	YP\AJ	Ok
18	AR1248ICC250	PP073569.D	08 Jul 2025 01:08	YP\AJ	Ok
19	AR1248ICC050	PP073570.D	08 Jul 2025 01:25	YP\AJ	Ok,M
20	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41	YP\AJ	Ok
21	AR1254ICC750	PP073572.D	08 Jul 2025 01:57	YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073573.D	08 Jul 2025 02:14	YP\AJ	Ok
23	AR1254ICC250	PP073574.D	08 Jul 2025 02:30	YP\AJ	Ok
24	AR1254ICC050	PP073575.D	08 Jul 2025 02:46	YP\AJ	Ok,M
25	AR1262ICC500	PP073576.D	08 Jul 2025 03:03	YP\AJ	Ok
26	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19	YP\AJ	Ok
27	AR1268ICC750	PP073578.D	08 Jul 2025 03:35	YP\AJ	Ok
28	AR1268ICC500	PP073579.D	08 Jul 2025 03:52	YP\AJ	Ok
29	AR1268ICC250	PP073580.D	08 Jul 2025 04:08	YP\AJ	Ok,M
30	AR1268ICC050	PP073581.D	08 Jul 2025 04:24	YP\AJ	Ok,M
31	PP070825ICV500	PP073582.D	08 Jul 2025 04:41	YP\AJ	Ok
32	AR1242ICV500	PP073583.D	08 Jul 2025 05:30	YP\AJ	Ok
33	AR1248ICV500	PP073584.D	08 Jul 2025 05:46	YP\AJ	Ok
34	AR1254ICV500	PP073585.D	08 Jul 2025 06:19	YP\AJ	Ok
35	AR1268ICV500	PP073586.D	08 Jul 2025 06:52	YP\AJ	Ok
36	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP071725

Review By	yogesh	Review On	7/17/2025 10:28:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:49:50 AM		
SubDirectory	PP071725	HP Acquire Method		HP Processing Method	PP070825

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	PP073884.D	17 Jul 2025 09:09	YP\AJ	Ok
2	AR1660CCC500	PP073885.D	17 Jul 2025 09:25	YP\AJ	Ok
3	AR1242CCC500	PP073886.D	17 Jul 2025 09:47	YP\AJ	Ok
4	AR1248CCC500	PP073887.D	17 Jul 2025 10:03	YP\AJ	Ok
5	AR1254CCC500	PP073888.D	17 Jul 2025 10:20	YP\AJ	Ok
6	I.BLK	PP073889.D	17 Jul 2025 10:36	YP\AJ	Ok
7	DDT ANALOG	PP073890.D	17 Jul 2025 10:53	YP\AJ	Ok
8	Q2609-01DL	PP073891.D	17 Jul 2025 11:09	YP\AJ	Ok,M
9	Q2609-05DL	PP073892.D	17 Jul 2025 11:25	YP\AJ	Ok,M
10	Q2608-04RE	PP073893.D	17 Jul 2025 12:28	YP\AJ	Confirms
11	Q2622-01	PP073894.D	17 Jul 2025 12:44	YP\AJ	Ok
12	Q2621-01	PP073895.D	17 Jul 2025 13:02	YP\AJ	Not Ok
13	Q2621-01MS	PP073896.D	17 Jul 2025 13:19	YP\AJ	Ok
14	Q2621-01MSD	PP073897.D	17 Jul 2025 13:35	YP\AJ	Ok
15	Q2620-01	PP073898.D	17 Jul 2025 13:51	YP\AJ	Ok
16	Q2620-02	PP073899.D	17 Jul 2025 14:08	YP\AJ	Ok,M
17	AR1660CCC500	PP073900.D	17 Jul 2025 15:14	YP\AJ	Ok
18	AR1242CCC500	PP073901.D	17 Jul 2025 15:30	YP\AJ	Ok
19	AR1248CCC500	PP073902.D	17 Jul 2025 15:46	YP\AJ	Ok
20	AR1254CCC500	PP073903.D	17 Jul 2025 16:03	YP\AJ	Ok
21	I.BLK	PP073904.D	17 Jul 2025 16:19	YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP071725

Review By	yogesh	Review On	7/17/2025 10:28:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:49:50 AM		
SubDirectory	PP071725	HP Acquire Method		HP Processing Method	PP070825

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	PB168905BL	PP073905.D	17 Jul 2025 16:35	YP\AJ	Ok
23	PB168905BS	PP073906.D	17 Jul 2025 16:52	YP\AJ	Ok
24	PB168905BSD	PP073907.D	17 Jul 2025 17:08	YP\AJ	Ok
25	PB168896BL	PP073908.D	17 Jul 2025 17:25	YP\AJ	Not Ok
26	PB168896BS	PP073909.D	17 Jul 2025 17:41	YP\AJ	Ok
27	PB168896BL	PP073910.D	17 Jul 2025 17:57	YP\AJ	Ok
28	Q2594-01	PP073911.D	17 Jul 2025 18:14	YP\AJ	Ok,M
29	Q2624-02	PP073912.D	17 Jul 2025 18:30	YP\AJ	Ok,M
30	Q2624-03	PP073913.D	17 Jul 2025 18:46	YP\AJ	Ok,M
31	Q2621-01	PP073914.D	17 Jul 2025 19:03	YP\AJ	Ok
32	AR1660CCC500	PP073915.D	17 Jul 2025 20:08	YP\AJ	Ok
33	AR1242CCC500	PP073916.D	17 Jul 2025 20:57	YP\AJ	Ok
34	AR1248CCC500	PP073917.D	17 Jul 2025 21:14	YP\AJ	Ok
35	AR1254CCC500	PP073918.D	17 Jul 2025 21:30	YP\AJ	Ok
36	I.BLK	PP073919.D	17 Jul 2025 21:46	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073552.D	07 Jul 2025 20:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP073553.D	07 Jul 2025 20:30		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP073555.D	07 Jul 2025 21:19		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP073556.D	07 Jul 2025 21:35		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP073557.D	07 Jul 2025 21:52		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP073558.D	07 Jul 2025 22:08		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP073559.D	07 Jul 2025 22:24		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP073560.D	07 Jul 2025 22:41		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP073562.D	07 Jul 2025 23:14		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP073563.D	07 Jul 2025 23:30		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP073564.D	07 Jul 2025 23:46		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP073565.D	08 Jul 2025 00:03		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP073567.D	08 Jul 2025 00:35		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP073568.D	08 Jul 2025 00:52		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP073569.D	08 Jul 2025 01:08		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073570.D	08 Jul 2025 01:25		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP073572.D	08 Jul 2025 01:57		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP073573.D	08 Jul 2025 02:14		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP073574.D	08 Jul 2025 02:30		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP073575.D	08 Jul 2025 02:46		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP073576.D	08 Jul 2025 03:03		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP073578.D	08 Jul 2025 03:35		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP073579.D	08 Jul 2025 03:52		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP073580.D	08 Jul 2025 04:08		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP073581.D	08 Jul 2025 04:24		YP\AJ	Ok,M
31	PP070825ICV500	ICVPP070825	PP073582.D	08 Jul 2025 04:41		YP\AJ	Ok
32	AR1242ICV500	ICVPP070825AR1242	PP073583.D	08 Jul 2025 05:30		YP\AJ	Ok
33	AR1248ICV500	ICVPP070825AR1248	PP073584.D	08 Jul 2025 05:46		YP\AJ	Ok
34	AR1254ICV500	ICVPP070825AR1254	PP073585.D	08 Jul 2025 06:19		YP\AJ	Ok
35	AR1268ICV500	ICVPP070825AR1268	PP073586.D	08 Jul 2025 06:52		YP\AJ	Ok
36	DDT ANALOGUE	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP071725

Review By	yogesh	Review On	7/17/2025 10:28:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:49:50 AM		
SubDirectory	PP071725	HP Acquire Method		HP Processing Method	PP070825

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	PP073884.D	17 Jul 2025 09:09		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073885.D	17 Jul 2025 09:25		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP073886.D	17 Jul 2025 09:47		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP073887.D	17 Jul 2025 10:03		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073888.D	17 Jul 2025 10:20		YP\AJ	Ok
6	I.BLK	I.BLK	PP073889.D	17 Jul 2025 10:36		YP\AJ	Ok
7	DDT ANALOG	DDT ANALOG	PP073890.D	17 Jul 2025 10:53		YP\AJ	Ok
8	Q2609-01DL	710-ABCDL	PP073891.D	17 Jul 2025 11:09	AR1242 Hit	YP\AJ	Ok,M
9	Q2609-05DL	709-ABDL	PP073892.D	17 Jul 2025 11:25	AR1242 Hit	YP\AJ	Ok,M
10	Q2608-04RE	60271RE	PP073893.D	17 Jul 2025 12:28	DCB high in both column	YP\AJ	Confirms
11	Q2622-01	2819	PP073894.D	17 Jul 2025 12:44		YP\AJ	Ok
12	Q2621-01	TR-05-07162025	PP073895.D	17 Jul 2025 13:02	need cleanup	YP\AJ	Not Ok
13	Q2621-01MS	TR-05-07162025MS	PP073896.D	17 Jul 2025 13:19		YP\AJ	Ok
14	Q2621-01MSD	TR-05-07162025MSD	PP073897.D	17 Jul 2025 13:35		YP\AJ	Ok
15	Q2620-01	GAS-BUR-25-0010	PP073898.D	17 Jul 2025 13:51		YP\AJ	Ok
16	Q2620-02	GAS-BUR-25-0058	PP073899.D	17 Jul 2025 14:08		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP073900.D	17 Jul 2025 15:14		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP073901.D	17 Jul 2025 15:30		YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP071725

Review By	yogesh	Review On	7/17/2025 10:28:01 AM		
Supervise By	mohammad	Supervise On	7/29/2025 7:49:50 AM		
SubDirectory	PP071725	HP Acquire Method		HP Processing Method	PP070825

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	PP073902.D	17 Jul 2025 15:46		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP073903.D	17 Jul 2025 16:03		YP\AJ	Ok
21	I.BLK	I.BLK	PP073904.D	17 Jul 2025 16:19		YP\AJ	Ok
22	PB168905BL	PB168905BL	PP073905.D	17 Jul 2025 16:35		YP\AJ	Ok
23	PB168905BS	PB168905BS	PP073906.D	17 Jul 2025 16:52		YP\AJ	Ok
24	PB168905BSD	PB168905BSD	PP073907.D	17 Jul 2025 17:08		YP\AJ	Ok
25	PB168896BL	PB168896BL	PP073908.D	17 Jul 2025 17:25	Run with cleanup sample	YP\AJ	Not Ok
26	PB168896BS	PB168896BS	PP073909.D	17 Jul 2025 17:41		YP\AJ	Ok
27	PB168896BL	PB168896BL	PP073910.D	17 Jul 2025 17:57		YP\AJ	Ok
28	Q2594-01	CC-071325-RW	PP073911.D	17 Jul 2025 18:14	TCMX high in 2nd column	YP\AJ	Ok,M
29	Q2624-02	450	PP073912.D	17 Jul 2025 18:30		YP\AJ	Ok,M
30	Q2624-03	451	PP073913.D	17 Jul 2025 18:46		YP\AJ	Ok,M
31	Q2621-01	TR-05-07162025	PP073914.D	17 Jul 2025 19:03		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP073915.D	17 Jul 2025 20:08		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP073916.D	17 Jul 2025 20:57		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP073917.D	17 Jul 2025 21:14		YP\AJ	Ok
35	AR1254CCC500	AR1254CCC500	PP073918.D	17 Jul 2025 21:30		YP\AJ	Ok
36	I.BLK	I.BLK	PP073919.D	17 Jul 2025 21:46		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168905

SOP ID:	M608.3-Pesticide PCB-18				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/17/2025
Matrix :	Water			**Extraction Start Time :**	09:20
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/17/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50 PPB	PP24709
Surrogate	1.0ML	20 PPB	PP24714
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

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
7/17/25	RS (Extraction)	YP PEST/PCB.
13:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168905

Analytical Method: M608.3-Pesticide PCB-18

Concentration Date: 07/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168905BL	ABLK905	PCB	1000	6	RUPESH	ritesh	1			SEP-1
PB168905BS	ALCS905	PCB	1000	6	RUPESH	ritesh	1			2
PB168905BSD	ALCSD905	PCB	1000	6	RUPESH	ritesh	1			3
Q2594-01	CC-071325-RW	PCB	1000	6	RUPESH	ritesh	1	E		4

RS 7/17

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

Q2594
608.905
Qt. 2Q PCB

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2594 **WorkList ID :** 190796 **Department :** Extraction **Date :** 07-17-2025 09:13:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2594-01	CC-071325-RW	Water	PCB	Cool 4 deg C	ENVI60	O42	07/14/2025	608.3
Q2594-01	CC-071325-RW	Water	Pesticide-TCL	Cool 4 deg C	ENVI60	O42	07/14/2025	608.3

317 of 324

Date/Time 7/17/25 9:15
Raw Sample Received by: RS (EQ+ lab)
Raw Sample Relinquished by: CP SM

Date/Time 7/17/25 9:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (EQ+ lab)

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

LAB CHRONICLE

OrderID:	Q2594	**OrderDate:**	7/14/2025 12:05:00 PM
Client:	Environmental Restoration, LLC	**Project:**	Cooper Chemical - Long Valley NJ 2-COOP-ANS
Contact:	Byron Hartman	**Location:**	O41,O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2594-01	**CC-071325-RW**	**WATER**			**07/14/25**			**07/14/25**
			PCB	608.3		07/17/25	07/17/25	
			Pesticide-TCL	608.3		07/17/25	07/28/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2594

COC Number: CC-002

CLIENT INFORMATION

COMPANY: ENVIRONMENTAL RESTORATION LLC
ADDRESS: 1666 FABICK DR.
CITY: FENTON STATE: MO ZIP: 63026
ATTENTION: Byron Hartman
PHONE: 801 209 0368 FAX:

PROJECT INFORMATION

PROJECT NAME: COOPER CHEMICAL
PROJECT #: CC2-16 LOCATION: LONG VALLEY NJ
PROJECT MANAGER: BYRON HARTMAN
E-MAIL: b.hartman@erllc.com
PHONE: 801 209-0368 FAX:

BILLING INFORMATION

BILL TO: ENVIRONMENTA REST. PO# CC.2 - 16
ADDRESS: 1666 FABICK DR
CITY: FENTON STATE: MO ZIP: 63026
ATTENTION: Ryan Simpson PHONE: 636-227-7477

DATA TURNAROUND INFORMATION

FAX: DAYS*
HARD COPY: 14 (STANDARD) DAYS*
EDD 10 (STANDARD) DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	EPA METH 624 VOA	EPA METH 625 NVOA	EPA METH 608 PCB's	EPA METH 608 PESTICIDES					
PRESERVATIVES									

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	COMMENTS
1.	CC-071325-RW	W			7-14-25	1030	8	
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
1. RELINQUISHED BY SAMPLER	7/14/25 1153	1. RECEIVED BY	7-14-25 1153
2. RELINQUISHED BY	DATE/TIME	2. RECEIVED BY	
3. RELINQUISHED BY	DATE/TIME	3. RECEIVED FOR LAB BY	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 24.2 C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: NO ICE
Comments:

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Byron Hartman <b.hartman@erllc.com>
Sent: Tuesday, July 15, 2025 2:10 PM
Subject: Re: [EXT]no ice

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Please proceed as normal with analytical and make a notation on ice.

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, July 14, 2025 2:05 PM
To: Byron Hartman <b.hartman@erllc.com>
Subject: [EXT]no ice

CAUTION This email originates from a source outside the company. Please use caution when opening attachments, clicking on links, or following the senders request.
Good afternoon,

sample received with melted ice with Temp 24.2 cel on 7/14/2025 let us know how to proceed with analysis ?

Thanks & Regards,

Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

Confidentiality Warning: This e-mail and any attachments contain information intended only for the use of the individual or entity named above. If the reader of this e-mail is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, any dissemination, publication or copying of this e-mail is strictly prohibited. Although this email has been scanned for malware, the sender does not accept any responsibility for any loss, disruption or damage to your data or computer

system that may occur while using data contained in, or transmitted with, this e-mail. If you have received this e-mail in error, please immediately notify by return e-mail. Thank you.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2594 ENVI60
Client Name : Environmental Restoration,
Client Contact : Byron Hartman
Invoice Name : Environmental Restoration,
Invoice Contact : Byron Hartman

Order Date : 7/14/2025 12:05:00 PM
Project Name : Cooper Chemical - Long Va
Receive DateTime : 7/14/2025 11:53:00 AM
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
Q2594-01	CC-071325-RW	Water	07/14/2025	10:30					
					VOC-TCLVOA-10		624.1		10 Bus. Days

Relinguished By :
Date / Time : 7-14-25 1250

Received By : JC
Date / Time : 7/14/25 1250

Storage Area : VOA Refridgerator Room