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

DATA PACKAGE

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

PROJECT NAME : PVWC LINEAR CONSTRUCTION

HDR, INC.

50 Tice Blvd, Suite 210

Woodcliffe Lake, NJ - 07677

Phone No: 201-335-9300

ORDER ID : Q3649

ATTENTION : Andrew Wadden

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : HDR, Inc.

Project Location : Clifton, NJ Project Number : 10367568

Laboratory Sample ID(s) : Q3649 Sampling Date(s) : 11/14/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,6010D,7196A,7470A,7471B,8081B,8082A,8260D,8270E,9012B, 9034,9045D,9095B,NJEPH,SMO,SOP**

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

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

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Cover Page

Order ID : Q3649

Project ID : PVWC Linear Construction

Client : HDR, Inc.

Lab Sample Number	Client Sample Number
Q3649-01	B5-0.0-0.5-20251114
Q3649-02	B5-0.5-1.0-20251114
Q3649-03	DUPE-0.0-0.5-20251114
Q3649-04	DUPE-0.5-1.0-20251114
Q3649-05	B4-0.05-1.0-20251114
Q3649-06	B4-0.0-0.5-20251114
Q3649-07	B4-0.0-0.5-20251114
Q3649-08	B3-0.0-0.5-20251114
Q3649-09	B3-0.5-1.0-20251114

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 9:15 am, Nov 26, 2025

Date: 11/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

HDR, Inc.
Project Name: PVWC Linear Construction
Project # N/A
Order ID # Q3649
Test Name: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH_NF,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury,Corrosivity, Cyanide,Hexavalent Chromium,Ignitability,Paint Filter,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
9 Solid samples were received on 11/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH_NF,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury,Corrosivity,Cyanide,Hexavalent Chromium,Ignitability,Paint Filter,Reactive Cyanide,Reactive Sulfide. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-TCL BNA -20(8270E), EPH_NF (NJEPH),PCB(8082A),Pesticide-TCL(8081B),Mercury(7471B),Metals ICP-TAL (6010D), TCLP ICP Metals(6010D),TCLP Mercury(7470A),Corrosivity(9045D), Cyanide (9012B),Hexavalent Chromium(7196A),Ignitability(1030),Paint Filter(9095B), Reactive Cyanide(9012B),Reactive Sulfide(9034).

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

SVOC-TCL BNA -20 : The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

Pesticide-TCL : 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 8081B and extraction was done based on method 3541.

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EPH_NF : The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

PCB : The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

Mercury,Metals ICP-TAL : The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

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

Wetchem : The analysis of Ignitability was based on method 1030, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide,Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity was based on method 9045D and The analysis of Paint Filter was based on method 9095B.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : B4-0.0-0.5-20251114 of Corrosivity as samples was receive out of holding time.

The Surrogate recoveries were met for all analysis except following
SVOC-TCL BNA -20 : B5-0.0-0.5-20251114 [2,4,6-Tribromophenol - 25%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Surrogate recoveries were met for all analysis except following
PCB : TR-05-111325MS [Tetrachloro-m-xylene(1)164%, Tetrachloro-m-xylene(2)159%], TR-05-111325MSD [Tetrachloro-m-xylene(1)160% and Tetrachloro-m-xylene(2)152%]. These compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

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The MS recoveries met the requirements for all compounds except following
SVOC-TCL BNA -20 : The MS {Q3649-08MS} with File ID: BG064796.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[41%], 3-Nitroaniline[43%] and 4-Chloroaniline[24%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

EPH_NF : The MS {Q3649-06MS} with File ID: FE056885.D recoveries met the requirements for all compounds except for Aliphatic [n-Tetracontane (C40)- 168%] due to matrix interference.

Mercury,Metals ICP-TAL : The Matrix Spike (B4-0.0-0.5-20251114MS) analysis met criteria for all compounds except for Antimony, Barium, Beryllium, Mercury, Selenium and Silver due to Chemical Interference during Digestion Process.

The MSD recoveries met the requirements for all compounds except following
SVOC-TCL BNA -20 : The MSD {Q3649-08MSD} with File ID: BG064797.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[38%], 3-Nitroaniline[41%] and 4-Chloroaniline[21%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

EPH_NF : The MSD {Q3649-06MSD} with File ID: FE056886.D recoveries met the requirements for all compounds except for Aliphatic [n-Tetracontane (C40)- 222%] due to matrix interference.

Mercury,Metals ICP-TAL : The Matrix Spike Duplicate (B4-0.0-0.5-20251114MSD) analysis met criteria for all compounds except for Antimony, Barium, Selenium and Silver due to Chemical Interference during Digestion Process.

The RPD recoveries met criteria.
The Blank Spike met requirements for all compounds except following
SVOC-TCL BNA -20 : The Blank Spike for {PB170576BS} with File ID: BF144265.D met requirements for all compounds except for 3,3-Dichlorobenzidine[65%], 3-Nitroaniline[59%] and 4-Chloroaniline[49%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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 except following
SVOC-TCL BNA -20 : The %RSD is greater than 20% in the Method 8270-BF110525.M) for Hexachlorocyclopentadiene, is passing on Quadratic regression.

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The % RSD is greater than 20% in the initial calibration (Method 8270-BG111225.M) for 2,4-Dinitrophenol, Pentachlorophenol, these compounds kept on Linear Regression.

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

The Duplicate analysis met criteria for all compounds..
The Serial Dilution met the acceptable requirements.

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

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

Mercury,Metals ICP-TAL : The Post Digest Spike (B4-0.0-0.5-20251114A) analysis met criteria for all compounds except for Antimony, Barium, Beryllium, Selenium and Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

VOC-TCLVOA-10 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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 9:15 am, Nov 26, 2025

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3649

	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: MOHAMMAD AHMED **Date:** 11/26/2025

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Hit Summary Sheet
SW-846

SDG No.: Q3649

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**DUPE-0.5-1.0-20251114**							
Q3649-04	DUPE-0.5-1.0-2025	SOIL	Acetone	28.8		4.30	22.7	ug/Kg
			Total Voc :	28.8				
			Total Concentration:	28.8				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-02	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	90.9
Sample Wt/Vol:	7.34 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.85	U	1	0.85	3.70	ug/Kg	11/19/25 12:52	VW111925
74-87-3	Chloromethane	0.85	U	1	0.85	3.70	ug/Kg	11/19/25 12:52	VW111925
75-01-4	Vinyl Chloride	0.59	U	1	0.59	3.70	ug/Kg	11/19/25 12:52	VW111925
74-83-9	Bromomethane	0.80	U	1	0.80	3.70	ug/Kg	11/19/25 12:52	VW111925
75-00-3	Chloroethane	0.94	U	1	0.94	3.70	ug/Kg	11/19/25 12:52	VW111925
75-69-4	Trichlorofluoromethane	0.91	U	1	0.91	3.70	ug/Kg	11/19/25 12:52	VW111925
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	1	0.79	3.70	ug/Kg	11/19/25 12:52	VW111925
75-35-4	1,1-Dichloroethene	0.75	U	1	0.75	3.70	ug/Kg	11/19/25 12:52	VW111925
67-64-1	Acetone	3.60	U	1	3.60	18.7	ug/Kg	11/19/25 12:52	VW111925
75-15-0	Carbon Disulfide	0.79	U	1	0.79	3.70	ug/Kg	11/19/25 12:52	VW111925
1634-04-4	Methyl tert-butyl Ether	0.55	U	1	0.55	3.70	ug/Kg	11/19/25 12:52	VW111925
79-20-9	Methyl Acetate	1.20	U	1	1.20	3.70	ug/Kg	11/19/25 12:52	VW111925
75-09-2	Methylene Chloride	2.60	U	1	2.60	7.50	ug/Kg	11/19/25 12:52	VW111925
156-60-5	trans-1,2-Dichloroethene	0.64	U	1	0.64	3.70	ug/Kg	11/19/25 12:52	VW111925
75-34-3	1,1-Dichloroethane	0.60	U	1	0.60	3.70	ug/Kg	11/19/25 12:52	VW111925
110-82-7	Cyclohexane	0.59	U	1	0.59	3.70	ug/Kg	11/19/25 12:52	VW111925
78-93-3	2-Butanone	4.90	U	1	4.90	18.7	ug/Kg	11/19/25 12:52	VW111925
56-23-5	Carbon Tetrachloride	0.73	U	1	0.73	3.70	ug/Kg	11/19/25 12:52	VW111925
156-59-2	cis-1,2-Dichloroethene	0.56	U	1	0.56	3.70	ug/Kg	11/19/25 12:52	VW111925
74-97-5	Bromochloromethane	0.86	U	1	0.86	3.70	ug/Kg	11/19/25 12:52	VW111925
67-66-3	Chloroform	0.63	U	1	0.63	3.70	ug/Kg	11/19/25 12:52	VW111925
71-55-6	1,1,1-Trichloroethane	0.70	U	1	0.70	3.70	ug/Kg	11/19/25 12:52	VW111925
108-87-2	Methylcyclohexane	0.68	U	1	0.68	3.70	ug/Kg	11/19/25 12:52	VW111925
71-43-2	Benzene	0.59	U	1	0.59	3.70	ug/Kg	11/19/25 12:52	VW111925
107-06-2	1,2-Dichloroethane	0.59	U	1	0.59	3.70	ug/Kg	11/19/25 12:52	VW111925
79-01-6	Trichloroethene	0.61	U	1	0.61	3.70	ug/Kg	11/19/25 12:52	VW111925
78-87-5	1,2-Dichloropropane	0.68	U	1	0.68	3.70	ug/Kg	11/19/25 12:52	VW111925
75-27-4	Bromodichloromethane	0.58	U	1	0.58	3.70	ug/Kg	11/19/25 12:52	VW111925
108-10-1	4-Methyl-2-Pentanone	2.70	U	1	2.70	18.7	ug/Kg	11/19/25 12:52	VW111925
108-88-3	Toluene	0.58	U	1	0.58	3.70	ug/Kg	11/19/25 12:52	VW111925
10061-02-6	t-1,3-Dichloropropene	0.49	U	1	0.49	3.70	ug/Kg	11/19/25 12:52	VW111925
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1	0.46	3.70	ug/Kg	11/19/25 12:52	VW111925
79-00-5	1,1,2-Trichloroethane	0.69	U	1	0.69	3.70	ug/Kg	11/19/25 12:52	VW111925
591-78-6	2-Hexanone	2.80	U	1	2.80	18.7	ug/Kg	11/19/25 12:52	VW111925
124-48-1	Dibromochloromethane	0.65	U	1	0.65	3.70	ug/Kg	11/19/25 12:52	VW111925
106-93-4	1,2-Dibromoethane	0.66	U	1	0.66	3.70	ug/Kg	11/19/25 12:52	VW111925
127-18-4	Tetrachloroethene	0.79	U	1	0.79	3.70	ug/Kg	11/19/25 12:52	VW111925
108-90-7	Chlorobenzene	0.68	U	1	0.68	3.70	ug/Kg	11/19/25 12:52	VW111925
100-41-4	Ethyl Benzene	0.50	U	1	0.50	3.70	ug/Kg	11/19/25 12:52	VW111925
179601-23-1	m/p-Xylenes	0.93	U	1	0.93	7.50	ug/Kg	11/19/25 12:52	VW111925
95-47-6	o-Xylene	0.61	U	1	0.61	3.70	ug/Kg	11/19/25 12:52	VW111925
100-42-5	Styrene	0.53	U	1	0.53	3.70	ug/Kg	11/19/25 12:52	VW111925
75-25-2	Bromoform	0.64	U	1	0.64	3.70	ug/Kg	11/19/25 12:52	VW111925

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-02	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	90.9
Sample Wt/Vol:	7.34 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.58	U	1	0.58	3.70	ug/Kg	11/19/25 12:52	VW111925
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	1	0.91	3.70	ug/Kg	11/19/25 12:52	VW111925
541-73-1	1,3-Dichlorobenzene	1.30	U	1	1.30	3.70	ug/Kg	11/19/25 12:52	VW111925
106-46-7	1,4-Dichlorobenzene	1.20	U	1	1.20	3.70	ug/Kg	11/19/25 12:52	VW111925
95-50-1	1,2-Dichlorobenzene	1.10	U	1	1.10	3.70	ug/Kg	11/19/25 12:52	VW111925
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1	1.40	3.70	ug/Kg	11/19/25 12:52	VW111925
120-82-1	1,2,4-Trichlorobenzene	2.20	U	1	2.20	3.70	ug/Kg	11/19/25 12:52	VW111925
87-61-6	1,2,3-Trichlorobenzene	2.40	U	1	2.40	3.70	ug/Kg	11/19/25 12:52	VW111925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.6			70 (63) - 130 (155)	125%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.8			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	45.9			70 (74) - 130 (123)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.6			70 (52) - 130 (138)	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	198000							
540-36-3	1,4-Difluorobenzene	469000							
3114-55-4	Chlorobenzene-d5	515000							
3855-82-1	1,4-Dichlorobenzene-d4	242000							

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-04	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 88.7
Sample Wt/Vol:	6.21 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	1.00	4.50	ug/Kg	11/19/25 13:14	VW111925
74-87-3	Chloromethane	1.00	U	1	1.00	4.50	ug/Kg	11/19/25 13:14	VW111925
75-01-4	Vinyl Chloride	0.72	U	1	0.72	4.50	ug/Kg	11/19/25 13:14	VW111925
74-83-9	Bromomethane	0.97	U	1	0.97	4.50	ug/Kg	11/19/25 13:14	VW111925
75-00-3	Chloroethane	1.10	U	1	1.10	4.50	ug/Kg	11/19/25 13:14	VW111925
75-69-4	Trichlorofluoromethane	1.10	U	1	1.10	4.50	ug/Kg	11/19/25 13:14	VW111925
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	1	0.96	4.50	ug/Kg	11/19/25 13:14	VW111925
75-35-4	1,1-Dichloroethene	0.91	U	1	0.91	4.50	ug/Kg	11/19/25 13:14	VW111925
67-64-1	Acetone	28.8		1	4.30	22.7	ug/Kg	11/19/25 13:14	VW111925
75-15-0	Carbon Disulfide	0.96	U	1	0.96	4.50	ug/Kg	11/19/25 13:14	VW111925
1634-04-4	Methyl tert-butyl Ether	0.66	U	1	0.66	4.50	ug/Kg	11/19/25 13:14	VW111925
79-20-9	Methyl Acetate	1.40	U	1	1.40	4.50	ug/Kg	11/19/25 13:14	VW111925
75-09-2	Methylene Chloride	3.20	U	1	3.20	9.10	ug/Kg	11/19/25 13:14	VW111925
156-60-5	trans-1,2-Dichloroethene	0.78	U	1	0.78	4.50	ug/Kg	11/19/25 13:14	VW111925
75-34-3	1,1-Dichloroethane	0.73	U	1	0.73	4.50	ug/Kg	11/19/25 13:14	VW111925
110-82-7	Cyclohexane	0.72	U	1	0.72	4.50	ug/Kg	11/19/25 13:14	VW111925
78-93-3	2-Butanone	5.90	U	1	5.90	22.7	ug/Kg	11/19/25 13:14	VW111925
56-23-5	Carbon Tetrachloride	0.88	U	1	0.88	4.50	ug/Kg	11/19/25 13:14	VW111925
156-59-2	cis-1,2-Dichloroethene	0.68	U	1	0.68	4.50	ug/Kg	11/19/25 13:14	VW111925
74-97-5	Bromochloromethane	1.00	U	1	1.00	4.50	ug/Kg	11/19/25 13:14	VW111925
67-66-3	Chloroform	0.76	U	1	0.76	4.50	ug/Kg	11/19/25 13:14	VW111925
71-55-6	1,1,1-Trichloroethane	0.84	U	1	0.84	4.50	ug/Kg	11/19/25 13:14	VW111925
108-87-2	Methylcyclohexane	0.83	U	1	0.83	4.50	ug/Kg	11/19/25 13:14	VW111925
71-43-2	Benzene	0.72	U	1	0.72	4.50	ug/Kg	11/19/25 13:14	VW111925
107-06-2	1,2-Dichloroethane	0.72	U	1	0.72	4.50	ug/Kg	11/19/25 13:14	VW111925
79-01-6	Trichloroethene	0.74	U	1	0.74	4.50	ug/Kg	11/19/25 13:14	VW111925
78-87-5	1,2-Dichloropropane	0.83	U	1	0.83	4.50	ug/Kg	11/19/25 13:14	VW111925
75-27-4	Bromodichloromethane	0.71	U	1	0.71	4.50	ug/Kg	11/19/25 13:14	VW111925
108-10-1	4-Methyl-2-Pentanone	3.20	U	1	3.20	22.7	ug/Kg	11/19/25 13:14	VW111925
108-88-3	Toluene	0.71	U	1	0.71	4.50	ug/Kg	11/19/25 13:14	VW111925
10061-02-6	t-1,3-Dichloropropene	0.59	U	1	0.59	4.50	ug/Kg	11/19/25 13:14	VW111925
10061-01-5	cis-1,3-Dichloropropene	0.56	U	1	0.56	4.50	ug/Kg	11/19/25 13:14	VW111925
79-00-5	1,1,2-Trichloroethane	0.84	U	1	0.84	4.50	ug/Kg	11/19/25 13:14	VW111925
591-78-6	2-Hexanone	3.30	U	1	3.30	22.7	ug/Kg	11/19/25 13:14	VW111925
124-48-1	Dibromochloromethane	0.79	U	1	0.79	4.50	ug/Kg	11/19/25 13:14	VW111925
106-93-4	1,2-Dibromoethane	0.80	U	1	0.80	4.50	ug/Kg	11/19/25 13:14	VW111925
127-18-4	Tetrachloroethene	0.95	U	1	0.95	4.50	ug/Kg	11/19/25 13:14	VW111925
108-90-7	Chlorobenzene	0.83	U	1	0.83	4.50	ug/Kg	11/19/25 13:14	VW111925
100-41-4	Ethyl Benzene	0.61	U	1	0.61	4.50	ug/Kg	11/19/25 13:14	VW111925
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	9.10	ug/Kg	11/19/25 13:14	VW111925
95-47-6	o-Xylene	0.74	U	1	0.74	4.50	ug/Kg	11/19/25 13:14	VW111925
100-42-5	Styrene	0.64	U	1	0.64	4.50	ug/Kg	11/19/25 13:14	VW111925
75-25-2	Bromoform	0.78	U	1	0.78	4.50	ug/Kg	11/19/25 13:14	VW111925

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-04	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	88.7
Sample Wt/Vol:	6.21 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.71	U	1	0.71	4.50	ug/Kg	11/19/25 13:14	VW111925
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1	1.10	4.50	ug/Kg	11/19/25 13:14	VW111925
541-73-1	1,3-Dichlorobenzene	1.60	U	1	1.60	4.50	ug/Kg	11/19/25 13:14	VW111925
106-46-7	1,4-Dichlorobenzene	1.40	U	1	1.40	4.50	ug/Kg	11/19/25 13:14	VW111925
95-50-1	1,2-Dichlorobenzene	1.30	U	1	1.30	4.50	ug/Kg	11/19/25 13:14	VW111925
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1	1.70	4.50	ug/Kg	11/19/25 13:14	VW111925
120-82-1	1,2,4-Trichlorobenzene	2.70	U	1	2.70	4.50	ug/Kg	11/19/25 13:14	VW111925
87-61-6	1,2,3-Trichlorobenzene	2.90	U	1	2.90	4.50	ug/Kg	11/19/25 13:14	VW111925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.1			70 (63) - 130 (155)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 (70) - 130 (134)	97%	SPK: 50		
2037-26-5	Toluene-d8	44.3			70 (74) - 130 (123)	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.4			70 (52) - 130 (138)	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	198000							
540-36-3	1,4-Difluorobenzene	486000							
3114-55-4	Chlorobenzene-d5	516000							
3855-82-1	1,4-Dichlorobenzene-d4	249000							

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.05-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-05	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	90
Sample Wt/Vol:	5.39 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20	U	1	1.20	5.20	ug/Kg	11/18/25 15:52	VW111825
74-87-3	Chloromethane	1.20	U	1	1.20	5.20	ug/Kg	11/18/25 15:52	VW111825
75-01-4	Vinyl Chloride	0.81	U	1	0.81	5.20	ug/Kg	11/18/25 15:52	VW111825
74-83-9	Bromomethane	1.10	U	1	1.10	5.20	ug/Kg	11/18/25 15:52	VW111825
75-00-3	Chloroethane	1.30	U	1	1.30	5.20	ug/Kg	11/18/25 15:52	VW111825
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.20	ug/Kg	11/18/25 15:52	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.20	ug/Kg	11/18/25 15:52	VW111825
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.20	ug/Kg	11/18/25 15:52	VW111825
67-64-1	Acetone	4.90	U	1	4.90	25.8	ug/Kg	11/18/25 15:52	VW111825
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.20	ug/Kg	11/18/25 15:52	VW111825
1634-04-4	Methyl tert-butyl Ether	0.75	U	1	0.75	5.20	ug/Kg	11/18/25 15:52	VW111825
79-20-9	Methyl Acetate	1.60	U	1	1.60	5.20	ug/Kg	11/18/25 15:52	VW111825
75-09-2	Methylene Chloride	3.60	U	1	3.60	10.3	ug/Kg	11/18/25 15:52	VW111825
156-60-5	trans-1,2-Dichloroethene	0.89	U	1	0.89	5.20	ug/Kg	11/18/25 15:52	VW111825
75-34-3	1,1-Dichloroethane	0.82	U	1	0.82	5.20	ug/Kg	11/18/25 15:52	VW111825
110-82-7	Cyclohexane	0.81	U	1	0.81	5.20	ug/Kg	11/18/25 15:52	VW111825
78-93-3	2-Butanone	6.70	U	1	6.70	25.8	ug/Kg	11/18/25 15:52	VW111825
56-23-5	Carbon Tetrachloride	1.00	U	1	1.00	5.20	ug/Kg	11/18/25 15:52	VW111825
156-59-2	cis-1,2-Dichloroethene	0.77	U	1	0.77	5.20	ug/Kg	11/18/25 15:52	VW111825
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.20	ug/Kg	11/18/25 15:52	VW111825
67-66-3	Chloroform	0.87	U	1	0.87	5.20	ug/Kg	11/18/25 15:52	VW111825
71-55-6	1,1,1-Trichloroethane	0.96	U	1	0.96	5.20	ug/Kg	11/18/25 15:52	VW111825
108-87-2	Methylcyclohexane	0.94	U	1	0.94	5.20	ug/Kg	11/18/25 15:52	VW111825
71-43-2	Benzene	0.81	U	1	0.81	5.20	ug/Kg	11/18/25 15:52	VW111825
107-06-2	1,2-Dichloroethane	0.81	U	1	0.81	5.20	ug/Kg	11/18/25 15:52	VW111825
79-01-6	Trichloroethene	0.83	U	1	0.83	5.20	ug/Kg	11/18/25 15:52	VW111825
78-87-5	1,2-Dichloropropane	0.94	U	1	0.94	5.20	ug/Kg	11/18/25 15:52	VW111825
75-27-4	Bromodichloromethane	0.80	U	1	0.80	5.20	ug/Kg	11/18/25 15:52	VW111825
108-10-1	4-Methyl-2-Pentanone	3.70	U	1	3.70	25.8	ug/Kg	11/18/25 15:52	VW111825
108-88-3	Toluene	0.80	U	1	0.80	5.20	ug/Kg	11/18/25 15:52	VW111825
10061-02-6	t-1,3-Dichloropropene	0.67	U	1	0.67	5.20	ug/Kg	11/18/25 15:52	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.64	U	1	0.64	5.20	ug/Kg	11/18/25 15:52	VW111825
79-00-5	1,1,2-Trichloroethane	0.95	U	1	0.95	5.20	ug/Kg	11/18/25 15:52	VW111825
591-78-6	2-Hexanone	3.80	U	1	3.80	25.8	ug/Kg	11/18/25 15:52	VW111825
124-48-1	Dibromochloromethane	0.90	U	1	0.90	5.20	ug/Kg	11/18/25 15:52	VW111825
106-93-4	1,2-Dibromoethane	0.91	U	1	0.91	5.20	ug/Kg	11/18/25 15:52	VW111825
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.20	ug/Kg	11/18/25 15:52	VW111825
108-90-7	Chlorobenzene	0.94	U	1	0.94	5.20	ug/Kg	11/18/25 15:52	VW111825
100-41-4	Ethyl Benzene	0.69	U	1	0.69	5.20	ug/Kg	11/18/25 15:52	VW111825
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.3	ug/Kg	11/18/25 15:52	VW111825
95-47-6	o-Xylene	0.85	U	1	0.85	5.20	ug/Kg	11/18/25 15:52	VW111825
100-42-5	Styrene	0.73	U	1	0.73	5.20	ug/Kg	11/18/25 15:52	VW111825
75-25-2	Bromoform	0.89	U	1	0.89	5.20	ug/Kg	11/18/25 15:52	VW111825

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.05-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-05	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	90
Sample Wt/Vol:	5.39 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.80	U	1	0.80	5.20	ug/Kg	11/18/25 15:52	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.20	ug/Kg	11/18/25 15:52	VW111825
541-73-1	1,3-Dichlorobenzene	1.80	U	1	1.80	5.20	ug/Kg	11/18/25 15:52	VW111825
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.20	ug/Kg	11/18/25 15:52	VW111825
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.20	ug/Kg	11/18/25 15:52	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1	1.90	5.20	ug/Kg	11/18/25 15:52	VW111825
120-82-1	1,2,4-Trichlorobenzene	3.10	U	1	3.10	5.20	ug/Kg	11/18/25 15:52	VW111825
87-61-6	1,2,3-Trichlorobenzene	3.30	U	1	3.30	5.20	ug/Kg	11/18/25 15:52	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.1			70 (63) - 130 (155)	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.9			70 (70) - 130 (134)	100%	SPK: 50		
2037-26-5	Toluene-d8	45.8			70 (74) - 130 (123)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.6			70 (52) - 130 (138)	113%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	233000							
540-36-3	1,4-Difluorobenzene	543000							
3114-55-4	Chlorobenzene-d5	601000							
3855-82-1	1,4-Dichlorobenzene-d4	284000							

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-09	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	89.2
Sample Wt/Vol:	4.79 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.30	U	1	1.30	5.90	ug/Kg	11/18/25 16:14	VW111825
74-87-3	Chloromethane	1.30	U	1	1.30	5.90	ug/Kg	11/18/25 16:14	VW111825
75-01-4	Vinyl Chloride	0.92	U	1	0.92	5.90	ug/Kg	11/18/25 16:14	VW111825
74-83-9	Bromomethane	1.30	U	1	1.30	5.90	ug/Kg	11/18/25 16:14	VW111825
75-00-3	Chloroethane	1.50	U	1	1.50	5.90	ug/Kg	11/18/25 16:14	VW111825
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.90	ug/Kg	11/18/25 16:14	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.90	ug/Kg	11/18/25 16:14	VW111825
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	5.90	ug/Kg	11/18/25 16:14	VW111825
67-64-1	Acetone	5.50	U	1	5.50	29.3	ug/Kg	11/18/25 16:14	VW111825
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.90	ug/Kg	11/18/25 16:14	VW111825
1634-04-4	Methyl tert-butyl Ether	0.85	U	1	0.85	5.90	ug/Kg	11/18/25 16:14	VW111825
79-20-9	Methyl Acetate	1.80	U	1	1.80	5.90	ug/Kg	11/18/25 16:14	VW111825
75-09-2	Methylene Chloride	4.10	U	1	4.10	11.7	ug/Kg	11/18/25 16:14	VW111825
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	5.90	ug/Kg	11/18/25 16:14	VW111825
75-34-3	1,1-Dichloroethane	0.94	U	1	0.94	5.90	ug/Kg	11/18/25 16:14	VW111825
110-82-7	Cyclohexane	0.92	U	1	0.92	5.90	ug/Kg	11/18/25 16:14	VW111825
78-93-3	2-Butanone	7.70	U	1	7.70	29.3	ug/Kg	11/18/25 16:14	VW111825
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
156-59-2	cis-1,2-Dichloroethene	0.88	U	1	0.88	5.90	ug/Kg	11/18/25 16:14	VW111825
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.90	ug/Kg	11/18/25 16:14	VW111825
67-66-3	Chloroform	0.98	U	1	0.98	5.90	ug/Kg	11/18/25 16:14	VW111825
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
108-87-2	Methylcyclohexane	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
71-43-2	Benzene	0.92	U	1	0.92	5.90	ug/Kg	11/18/25 16:14	VW111825
107-06-2	1,2-Dichloroethane	0.92	U	1	0.92	5.90	ug/Kg	11/18/25 16:14	VW111825
79-01-6	Trichloroethene	0.95	U	1	0.95	5.90	ug/Kg	11/18/25 16:14	VW111825
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
75-27-4	Bromodichloromethane	0.91	U	1	0.91	5.90	ug/Kg	11/18/25 16:14	VW111825
108-10-1	4-Methyl-2-Pentanone	4.20	U	1	4.20	29.3	ug/Kg	11/18/25 16:14	VW111825
108-88-3	Toluene	0.91	U	1	0.91	5.90	ug/Kg	11/18/25 16:14	VW111825
10061-02-6	t-1,3-Dichloropropene	0.76	U	1	0.76	5.90	ug/Kg	11/18/25 16:14	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.73	U	1	0.73	5.90	ug/Kg	11/18/25 16:14	VW111825
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
591-78-6	2-Hexanone	4.30	U	1	4.30	29.3	ug/Kg	11/18/25 16:14	VW111825
124-48-1	Dibromochloromethane	1.00	U	1	1.00	5.90	ug/Kg	11/18/25 16:14	VW111825
106-93-4	1,2-Dibromoethane	1.00	U	1	1.00	5.90	ug/Kg	11/18/25 16:14	VW111825
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.90	ug/Kg	11/18/25 16:14	VW111825
108-90-7	Chlorobenzene	1.10	U	1	1.10	5.90	ug/Kg	11/18/25 16:14	VW111825
100-41-4	Ethyl Benzene	0.78	U	1	0.78	5.90	ug/Kg	11/18/25 16:14	VW111825
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	11.7	ug/Kg	11/18/25 16:14	VW111825
95-47-6	o-Xylene	0.96	U	1	0.96	5.90	ug/Kg	11/18/25 16:14	VW111825
100-42-5	Styrene	0.83	U	1	0.83	5.90	ug/Kg	11/18/25 16:14	VW111825
75-25-2	Bromoform	1.00	U	1	1.00	5.90	ug/Kg	11/18/25 16:14	VW111825

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.5-1.0-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-09	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	89.2
Sample Wt/Vol:	4.79 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.91	U	1	0.91	5.90	ug/Kg	11/18/25 16:14	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.90	ug/Kg	11/18/25 16:14	VW111825
541-73-1	1,3-Dichlorobenzene	2.00	U	1	2.00	5.90	ug/Kg	11/18/25 16:14	VW111825
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.90	ug/Kg	11/18/25 16:14	VW111825
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	5.90	ug/Kg	11/18/25 16:14	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	5.90	ug/Kg	11/18/25 16:14	VW111825
120-82-1	1,2,4-Trichlorobenzene	3.50	U	1	3.50	5.90	ug/Kg	11/18/25 16:14	VW111825
87-61-6	1,2,3-Trichlorobenzene	3.70	U	1	3.70	5.90	ug/Kg	11/18/25 16:14	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.7			70 (63) - 130 (155)	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.0			70 (70) - 130 (134)	96%	SPK: 50		
2037-26-5	Toluene-d8	43.6			70 (74) - 130 (123)	87%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.0			70 (52) - 130 (138)	110%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	213000							
540-36-3	1,4-Difluorobenzene	491000							
3114-55-4	Chlorobenzene-d5	511000							
3855-82-1	1,4-Dichlorobenzene-d4	272000							

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

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

QC SUMMARY

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

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3649-02	B5-0.5-1.0-20251114	1,2-Dichloroethane-d4	50	62.5	125		70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102		70 (70)	130 (134)
		Toluene-d8	50	45.9	92		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.6	111		70 (52)	130 (138)
Q3649-04	DUPE-0.5-1.0-20251114	1,2-Dichloroethane-d4	50	60.1	120		70 (63)	130 (155)
		Dibromofluoromethane	50	48.6	97		70 (70)	130 (134)
		Toluene-d8	50	44.3	89		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.4	103		70 (52)	130 (138)
Q3649-05	B4-0.05-1.0-20251114	1,2-Dichloroethane-d4	50	59.1	118		70 (63)	130 (155)
		Dibromofluoromethane	50	49.9	100		70 (70)	130 (134)
		Toluene-d8	50	45.8	92		70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.6	113		70 (52)	130 (138)
Q3649-09	B3-0.5-1.0-20251114	1,2-Dichloroethane-d4	50	58.8	117		70 (63)	130 (155)
		Dibromofluoromethane	50	48.0	96		70 (70)	130 (134)
		Toluene-d8	50	43.6	87		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.0	110		70 (52)	130 (138)
VW1118SBL01	VW1118SBL01	1,2-Dichloroethane-d4	50	64.7	129		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	47.4	95		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104		70 (52)	130 (138)
VW1118SBS01	VW1118SBS01	1,2-Dichloroethane-d4	50	53.7	107		70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.7	103		70 (52)	130 (138)
VW1118SBSD0	VW1118SBSD01	1,2-Dichloroethane-d4	50	52.1	104		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	51.2	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.7	99		70 (52)	130 (138)
VW1119SBL01	VW1119SBL01	1,2-Dichloroethane-d4	50	60.5	121		70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103		70 (70)	130 (134)
		Toluene-d8	50	45.5	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.5	109		70 (52)	130 (138)
VW1119SBS01	VW1119SBS01	1,2-Dichloroethane-d4	50	52.2	104		70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104		70 (70)	130 (134)
		Toluene-d8	50	52.1	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.7	101		70 (52)	130 (138)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032470.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1118SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			40 (64)	160 (136)	
	Chloromethane	20	22.4	ug/Kg	112			40 (73)	160 (129)	
	Vinyl chloride	20	22.2	ug/Kg	111			70 (73)	130 (133)	
	Bromomethane	20	21.5	ug/Kg	108			40 (77)	160 (137)	
	Chloroethane	20	21.2	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.4	ug/Kg	92			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.9	ug/Kg	110			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (174)	
	Carbon disulfide	20	21.0	ug/Kg	105			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104			70 (77)	130 (129)	
	Methyl Acetate	20	20.2	ug/Kg	101			70 (51)	130 (140)	
	Methylene Chloride	20	24.2	ug/Kg	121			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.2	ug/Kg	111			70 (82)	130 (123)	
	Cyclohexane	20	21.9	ug/Kg	110			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	22.7	ug/Kg	114			70 (80)	130 (127)	
	Chloroform	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109			70 (80)	130 (126)	
	Methylcyclohexane	20	20.6	ug/Kg	103			70 (77)	130 (123)	
	Benzene	20	21.9	ug/Kg	110			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.2	ug/Kg	111			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.1	ug/Kg	111			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			70 (80)	130 (125)	
	Tetrachloroethene	20	21.7	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	21.6	ug/Kg	108			70 (84)	130 (122)	
	Ethyl Benzene	20	21.2	ug/Kg	106			70 (82)	130 (124)	
	m/p-Xylenes	40	43.5	ug/Kg	109			70 (83)	130 (124)	
	o-Xylene	20	21.4	ug/Kg	107			70 (83)	130 (123)	
	Styrene	20	21.6	ug/Kg	108			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032470.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1118SBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032471.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1118SBSD01	Dichlorodifluoromethane	20	21.9	ug/Kg	110	7		40 (64)	160 (136)	30 (20)
	Chloromethane	20	22.0	ug/Kg	110	2		40 (73)	160 (129)	30 (15)
	Vinyl chloride	20	22.5	ug/Kg	113	2		70 (73)	130 (133)	30 (15)
	Bromomethane	20	22.2	ug/Kg	111	3		40 (77)	160 (137)	30 (15)
	Chloroethane	20	21.7	ug/Kg	109	3		40 (69)	160 (130)	30 (15)
	Trichlorofluoromethane	20	22.1	ug/Kg	111	19		40 (69)	160 (134)	30 (27)
	1,1,2-Trichlorotrifluoroethane	20	22.7	ug/Kg	114	4		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	22.3	ug/Kg	112	2		70 (79)	130 (121)	30 (16)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (174)	30 (28)
	Carbon disulfide	20	21.5	ug/Kg	108	3		40 (73)	160 (125)	30 (15)
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104	0		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.0	ug/Kg	100	1		70 (51)	130 (140)	30 (30)
	Methylene Chloride	20	23.6	ug/Kg	118	3		70 (54)	130 (158)	30 (20)
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111	2		70 (80)	130 (123)	30 (15)
	1,1-Dichloroethane	20	22.6	ug/Kg	113	2		70 (82)	130 (123)	30 (15)
	Cyclohexane	20	22.0	ug/Kg	110	0		70 (76)	130 (122)	30 (15)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (29)
	Carbon Tetrachloride	20	22.5	ug/Kg	113	5		70 (76)	130 (129)	30 (15)
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	2		70 (82)	130 (123)	30 (15)
	Bromochloromethane	20	22.8	ug/Kg	114	0		70 (80)	130 (127)	30 (15)
	Chloroform	20	22.7	ug/Kg	114	1		70 (82)	130 (125)	30 (15)
	1,1,1-Trichloroethane	20	22.3	ug/Kg	112	3		70 (80)	130 (126)	30 (15)
	Methylcyclohexane	20	20.8	ug/Kg	104	1		70 (77)	130 (123)	30 (15)
	Benzene	20	21.8	ug/Kg	109	1		70 (84)	130 (121)	30 (15)
	1,2-Dichloroethane	20	21.8	ug/Kg	109	2		70 (81)	130 (126)	30 (15)
	Trichloroethene	20	21.3	ug/Kg	106	0		70 (83)	130 (122)	30 (15)
	1,2-Dichloropropane	20	21.8	ug/Kg	109	2		70 (83)	130 (122)	30 (15)
	Bromodichloromethane	20	21.4	ug/Kg	107	2		70 (82)	130 (123)	30 (15)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (26)
	Toluene	20	21.9	ug/Kg	110	2		70 (83)	130 (122)	30 (15)
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102	1		70 (78)	130 (124)	30 (15)
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	0		70 (81)	130 (122)	30 (15)
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	0		70 (82)	130 (125)	30 (15)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (27)
	Dibromochloromethane	20	20.7	ug/Kg	104	0		70 (79)	130 (125)	30 (15)
	1,2-Dibromoethane	20	20.9	ug/Kg	104	3		70 (80)	130 (125)	30 (16)
	Tetrachloroethene	20	21.2	ug/Kg	106	3		70 (83)	130 (125)	30 (15)
	Chlorobenzene	20	21.5	ug/Kg	108	0		70 (84)	130 (122)	30 (15)
	Ethyl Benzene	20	21.9	ug/Kg	110	4		70 (82)	130 (124)	30 (15)
	m/p-Xylenes	40	44.4	ug/Kg	111	2		70 (83)	130 (124)	30 (15)
	o-Xylene	20	21.2	ug/Kg	106	1		70 (83)	130 (123)	30 (15)
	Styrene	20	21.9	ug/Kg	110	2		70 (82)	130 (124)	30 (15)
	Bromoform	20	19.3	ug/Kg	97	4		70 (75)	130 (127)	30 (16)
	Isopropylbenzene	20	21.7	ug/Kg	109	8		70 (82)	130 (124)	30 (15)
	1,1,2,2-Tetrachloroethane	20	22.3	ug/Kg	112	6		70 (77)	130 (127)	30 (21)
	1,3-Dichlorobenzene	20	22.5	ug/Kg	113	6		70 (83)	130 (122)	30 (15)
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108	4		70 (84)	130 (121)	30 (15)
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109	3		70 (83)	130 (124)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032471.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1118SBSD01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100	1		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103	3		70 (70)	130 (137)	30 (16)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032492.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1119SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			40 (64)	160 (136)	
	Chloromethane	20	21.9	ug/Kg	110			40 (73)	160 (129)	
	Vinyl chloride	20	21.9	ug/Kg	110			70 (73)	130 (133)	
	Bromomethane	20	21.7	ug/Kg	109			40 (77)	160 (137)	
	Chloroethane	20	20.4	ug/Kg	102			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.3	ug/Kg	92			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/Kg	109			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.0	ug/Kg	105			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (174)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			70 (77)	130 (129)	
	Methyl Acetate	20	19.0	ug/Kg	95			70 (51)	130 (140)	
	Methylene Chloride	20	22.6	ug/Kg	113			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Cyclohexane	20	20.2	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	96.2	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	Bromochloromethane	20	22.0	ug/Kg	110			70 (80)	130 (127)	
	Chloroform	20	21.9	ug/Kg	110			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.8	ug/Kg	109			70 (81)	130 (126)	
	Trichloroethene	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	96.5	ug/Kg	97			40 (66)	160 (138)	
	Dibromochloromethane	20	21.1	ug/Kg	106			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	20.7	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	21.1	ug/Kg	106			70 (84)	130 (122)	
	Ethyl Benzene	20	20.7	ug/Kg	104			70 (82)	130 (124)	
	m/p-Xylenes	40	41.8	ug/Kg	104			70 (83)	130 (124)	
	o-Xylene	20	20.3	ug/Kg	102			70 (83)	130 (123)	
	Styrene	20	21.1	ug/Kg	106			70 (82)	130 (124)	
	Bromoform	20	19.6	ug/Kg	98			70 (75)	130 (127)	
	Isopropylbenzene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032492.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1119SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1118SBL01

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: VW032469.D | Lab Sample ID: VW1118SBL01

Date Analyzed: 11/18/2025 | Time Analyzed: 10:13

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1118SBS01	VW1118SBS01	VW032470.D	11/18/2025
VW1118SBSD01	VW1118SBSD01	VW032471.D	11/18/2025
B4-0.05-1.0-20251114	Q3649-05	VW032483.D	11/18/2025
B3-0.5-1.0-20251114	Q3649-09	VW032484.D	11/18/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1119SBL01

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: VW032491.D | Lab Sample ID: VW1119SBL01

Date Analyzed: 11/19/2025 | Time Analyzed: 10:36

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1119SBS01	VW1119SBS01	VW032492.D	11/19/2025
B5-0.5-1.0-20251114	Q3649-02	VW032496.D	11/19/2025
DUPE-0.5-1.0-20251114	Q3649-04	VW032497.D	11/19/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: VW032405.D | BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_W | BFB Injection Time: 14:20

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	66.1 (98.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032406.D	11/10/2025	15:11
VSTDICC010	VSTDICC010	VW032407.D	11/10/2025	15:33
VSTDICC020	VSTDICC020	VW032408.D	11/10/2025	15:55
VSTDICCC050	VSTDICCC050	VW032409.D	11/10/2025	16:17
VSTDICC100	VSTDICC100	VW032410.D	11/10/2025	16:39
VSTDICC150	VSTDICC150	VW032411.D	11/10/2025	17:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: VW032467.D | BFB Injection Date: 11/18/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:15

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.4
175	5.0 - 9.0% of mass 174	4.9 (7.7) 1
176	95.0 - 101.0% of mass 174	61.6 (95.7) 1
177	5.0 - 9.0% of mass 176	3.9 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032468.D	11/18/2025	09:46
VW1118SBL01	VW1118SBL01	VW032469.D	11/18/2025	10:13
VW1118SBS01	VW1118SBS01	VW032470.D	11/18/2025	10:40
VW1118SBSD01	VW1118SBSD01	VW032471.D	11/18/2025	11:02
B4-0.05-1.0-20251114	Q3649-05	VW032483.D	11/18/2025	15:52
B3-0.5-1.0-20251114	Q3649-09	VW032484.D	11/18/2025	16:14

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: VW032489.D | BFB Injection Date: 11/19/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:32

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	50.7
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.8
175	5.0 - 9.0% of mass 174	5.4 (8) 1
176	95.0 - 101.0% of mass 174	66.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032490.D	11/19/2025	10:01
VW1119SBL01	VW1119SBL01	VW032491.D	11/19/2025	10:36
VW1119SBS01	VW1119SBS01	VW032492.D	11/19/2025	11:11
B5-0.5-1.0-20251114	Q3649-02	VW032496.D	11/19/2025	12:52
DUPE-0.5-1.0-20251114	Q3649-04	VW032497.D	11/19/2025	13:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: VW032468.D Date Analyzed: 11/18/2025

Instrument ID: MSVOA_W Time Analyzed: 09:46

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	361815	7.95	661363	8.85	600329	11.63
UPPER LIMIT	723630	8.453	1322730	9.349	1200660	12.129
LOWER LIMIT	180908	7.453	330682	8.349	300165	11.129
EPA SAMPLE NO.						
B4-0.05-1.0-20251114	232615	7.96	543396	8.85	601253	11.63
B3-0.5-1.0-20251114	212864	7.97	490545	8.85	510548	11.63
VW1118SBL01	212726	7.96	511741	8.85	533709	11.63
VW1118SBS01	368383	7.96	685400	8.85	608119	11.63
VW1118SBSD01	367695	7.96	692034	8.85	614192	11.63

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: VW032468.D Date Analyzed: 11/18/2025

Instrument ID: MSVOA_W Time Analyzed: 09:46

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

	IS4 AREA #	RT #				
12 HOUR STD	279351	13.556				
UPPER LIMIT	558702	14.056				
LOWER LIMIT	139676	13.056				
EPA SAMPLE NO.						
B4-0.05-1.0-20251114	284001	13.56				
B3-0.5-1.0-20251114	271829	13.56				
VW1118SBL01	261053	13.56				
VW1118SBS01	294055	13.56				
VW1118SBSD01	277057	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: VW032490.D Date Analyzed: 11/19/2025

Instrument ID: MSVOA_W Time Analyzed: 10:01

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	346973	7.96	636403	8.85	579827	11.63
UPPER LIMIT	693946	8.459	1272810	9.349	1159650	12.129
LOWER LIMIT	173487	7.459	318202	8.349	289914	11.129
EPA SAMPLE NO.						
B5-0.5-1.0-20251114	198251	7.97	468638	8.85	515247	11.63
DUPE-0.5-1.0-20251114	197627	7.97	485828	8.86	516048	11.63
VW1119SBL01	218109	7.96	508852	8.85	541801	11.63
VW1119SBS01	361405	7.96	660085	8.85	590674	11.63

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: VW032490.D Date Analyzed: 11/19/2025

Instrument ID: MSVOA_W Time Analyzed: 10:01

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

	IS4 AREA #	RT #				
12 HOUR STD	269243	13.55				
UPPER LIMIT	538486	14.05				
LOWER LIMIT	134622	13.05				
EPA SAMPLE NO.						
B5-0.5-1.0-20251114	242262	13.56				
DUPE-0.5-1.0-20251114	249401	13.56				
VW1119SBL01	260882	13.56				
VW1119SBS01	285477	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBL01			SDG No.:	Q3649
Lab Sample ID:	VW1118SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/18/25 10:13	VW111825
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/18/25 10:13	VW111825
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/18/25 10:13	VW111825
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/18/25 10:13	VW111825
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/18/25 10:13	VW111825
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/18/25 10:13	VW111825
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/18/25 10:13	VW111825
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/18/25 10:13	VW111825
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/18/25 10:13	VW111825
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/18/25 10:13	VW111825
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/18/25 10:13	VW111825
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/18/25 10:13	VW111825
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/18/25 10:13	VW111825
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/18/25 10:13	VW111825
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/18/25 10:13	VW111825
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/18/25 10:13	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/18/25 10:13	VW111825
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/18/25 10:13	VW111825
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/18/25 10:13	VW111825
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/18/25 10:13	VW111825
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/18/25 10:13	VW111825
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/18/25 10:13	VW111825
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/18/25 10:13	VW111825
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/18/25 10:13	VW111825
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/18/25 10:13	VW111825
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/18/25 10:13	VW111825

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBL01			SDG No.:	Q3649
Lab Sample ID:	VW1118SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/18/25 10:13	VW111825
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/18/25 10:13	VW111825
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/18/25 10:13	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/18/25 10:13	VW111825
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/18/25 10:13	VW111825
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/18/25 10:13	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	64.7			70 (63) - 130 (155)	129%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 (70) - 130 (134)	105%	SPK: 50		
2037-26-5	Toluene-d8	47.4			70 (74) - 130 (123)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.0			70 (52) - 130 (138)	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	213000							
540-36-3	1,4-Difluorobenzene	512000							
3114-55-4	Chlorobenzene-d5	534000							
3855-82-1	1,4-Dichlorobenzene-d4	261000							

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VW1119SBL01	SDG No.:	Q3649
Lab Sample ID:	VW1119SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/19/25 10:36	VW111925
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/19/25 10:36	VW111925
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/19/25 10:36	VW111925
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/19/25 10:36	VW111925
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/19/25 10:36	VW111925
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/19/25 10:36	VW111925
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/19/25 10:36	VW111925
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/19/25 10:36	VW111925
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/19/25 10:36	VW111925
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/19/25 10:36	VW111925
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/19/25 10:36	VW111925
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/19/25 10:36	VW111925
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/19/25 10:36	VW111925
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/19/25 10:36	VW111925
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/19/25 10:36	VW111925
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/19/25 10:36	VW111925
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/19/25 10:36	VW111925
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/19/25 10:36	VW111925
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/19/25 10:36	VW111925
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/19/25 10:36	VW111925
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/19/25 10:36	VW111925
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/19/25 10:36	VW111925
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/19/25 10:36	VW111925
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/19/25 10:36	VW111925
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/19/25 10:36	VW111925
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/19/25 10:36	VW111925
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/19/25 10:36	VW111925
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/19/25 10:36	VW111925
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/19/25 10:36	VW111925
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/19/25 10:36	VW111925
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/19/25 10:36	VW111925
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/19/25 10:36	VW111925
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/19/25 10:36	VW111925
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/19/25 10:36	VW111925
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/19/25 10:36	VW111925
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/19/25 10:36	VW111925
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/19/25 10:36	VW111925
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/19/25 10:36	VW111925

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1119SBL01			SDG No.:	Q3649
Lab Sample ID:	VW1119SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/19/25 10:36	VW111925
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/19/25 10:36	VW111925
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/19/25 10:36	VW111925
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/19/25 10:36	VW111925
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/19/25 10:36	VW111925
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/19/25 10:36	VW111925
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/19/25 10:36	VW111925
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/19/25 10:36	VW111925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.5			70 (63) - 130 (155)	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.6			70 (70) - 130 (134)	103%	SPK: 50		
2037-26-5	Toluene-d8	45.5			70 (74) - 130 (123)	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.4			70 (52) - 130 (138)	109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	218000							
540-36-3	1,4-Difluorobenzene	509000							
3114-55-4	Chlorobenzene-d5	542000							
3855-82-1	1,4-Dichlorobenzene-d4	261000							

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBS01			SDG No.:	Q3649
Lab Sample ID:	VW1118SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.6		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
74-87-3	Chloromethane	22.4		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-01-4	Vinyl Chloride	22.2		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	11/18/25 10:40	VW111825
75-69-4	Trichlorofluoromethane	18.4		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-35-4	1,1-Dichloroethene	21.9		1	1.00	5.00	ug/Kg	11/18/25 10:40	VW111825
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/18/25 10:40	VW111825
75-15-0	Carbon Disulfide	21.0		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	11/18/25 10:40	VW111825
79-20-9	Methyl Acetate	20.2		1	1.50	5.00	ug/Kg	11/18/25 10:40	VW111825
75-09-2	Methylene Chloride	24.2		1	3.50	10.0	ug/Kg	11/18/25 10:40	VW111825
156-60-5	trans-1,2-Dichloroethene	21.8		1	0.86	5.00	ug/Kg	11/18/25 10:40	VW111825
75-34-3	1,1-Dichloroethane	22.2		1	0.80	5.00	ug/Kg	11/18/25 10:40	VW111825
110-82-7	Cyclohexane	21.9		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	11/18/25 10:40	VW111825
56-23-5	Carbon Tetrachloride	21.6		1	0.97	5.00	ug/Kg	11/18/25 10:40	VW111825
156-59-2	cis-1,2-Dichloroethene	21.1		1	0.75	5.00	ug/Kg	11/18/25 10:40	VW111825
74-97-5	Bromochloromethane	22.7		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	11/18/25 10:40	VW111825
71-55-6	1,1,1-Trichloroethane	21.7		1	0.93	5.00	ug/Kg	11/18/25 10:40	VW111825
108-87-2	Methylcyclohexane	20.6		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
71-43-2	Benzene	21.9		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
107-06-2	1,2-Dichloroethane	22.2		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
79-01-6	Trichloroethene	21.3		1	0.81	5.00	ug/Kg	11/18/25 10:40	VW111825
78-87-5	1,2-Dichloropropane	22.1		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
75-27-4	Bromodichloromethane	21.8		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/18/25 10:40	VW111825
108-88-3	Toluene	21.6		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	11/18/25 10:40	VW111825
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	11/18/25 10:40	VW111825
79-00-5	1,1,2-Trichloroethane	21.3		1	0.92	5.00	ug/Kg	11/18/25 10:40	VW111825
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/18/25 10:40	VW111825
124-48-1	Dibromochloromethane	20.9		1	0.87	5.00	ug/Kg	11/18/25 10:40	VW111825
106-93-4	1,2-Dibromoethane	21.4		1	0.88	5.00	ug/Kg	11/18/25 10:40	VW111825
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
108-90-7	Chlorobenzene	21.6		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
100-41-4	Ethyl Benzene	21.2		1	0.67	5.00	ug/Kg	11/18/25 10:40	VW111825
179601-23-1	m/p-Xylenes	43.5		1	1.20	10.0	ug/Kg	11/18/25 10:40	VW111825
95-47-6	o-Xylene	21.4		1	0.82	5.00	ug/Kg	11/18/25 10:40	VW111825
100-42-5	Styrene	21.6		1	0.71	5.00	ug/Kg	11/18/25 10:40	VW111825
75-25-2	Bromoform	20.1		1	0.86	5.00	ug/Kg	11/18/25 10:40	VW111825

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VW1118SBS01	SDG No.:	Q3649
Lab Sample ID:	VW1118SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.1		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
541-73-1	1,3-Dichlorobenzene	21.2		1	1.70	5.00	ug/Kg	11/18/25 10:40	VW111825
106-46-7	1,4-Dichlorobenzene	20.7		1	1.60	5.00	ug/Kg	11/18/25 10:40	VW111825
95-50-1	1,2-Dichlorobenzene	21.1		1	1.50	5.00	ug/Kg	11/18/25 10:40	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1	1.80	5.00	ug/Kg	11/18/25 10:40	VW111825
120-82-1	1,2,4-Trichlorobenzene	20.1		1	3.00	5.00	ug/Kg	11/18/25 10:40	VW111825
87-61-6	1,2,3-Trichlorobenzene	20.0		1	3.20	5.00	ug/Kg	11/18/25 10:40	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.7			70 (63) - 130 (155)	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			70 (70) - 130 (134)	104%	SPK: 50		
2037-26-5	Toluene-d8	52.0			70 (74) - 130 (123)	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			70 (52) - 130 (138)	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	368000							
540-36-3	1,4-Difluorobenzene	685000							
3114-55-4	Chlorobenzene-d5	608000							
3855-82-1	1,4-Dichlorobenzene-d4	294000							

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:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1119SBS01			SDG No.:	Q3649
Lab Sample ID:	VW1119SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.0		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
74-87-3	Chloromethane	21.9		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
75-01-4	Vinyl Chloride	21.9		1	0.79	5.00	ug/Kg	11/19/25 11:11	VW111925
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
75-00-3	Chloroethane	20.4		1	1.30	5.00	ug/Kg	11/19/25 11:11	VW111925
75-69-4	Trichlorofluoromethane	18.3		1	1.20	5.00	ug/Kg	11/19/25 11:11	VW111925
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
75-35-4	1,1-Dichloroethene	21.0		1	1.00	5.00	ug/Kg	11/19/25 11:11	VW111925
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/19/25 11:11	VW111925
75-15-0	Carbon Disulfide	20.5		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
1634-04-4	Methyl tert-butyl Ether	19.5		1	0.73	5.00	ug/Kg	11/19/25 11:11	VW111925
79-20-9	Methyl Acetate	19.0		1	1.50	5.00	ug/Kg	11/19/25 11:11	VW111925
75-09-2	Methylene Chloride	22.6		1	3.50	10.0	ug/Kg	11/19/25 11:11	VW111925
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	11/19/25 11:11	VW111925
75-34-3	1,1-Dichloroethane	21.6		1	0.80	5.00	ug/Kg	11/19/25 11:11	VW111925
110-82-7	Cyclohexane	20.2		1	0.79	5.00	ug/Kg	11/19/25 11:11	VW111925
78-93-3	2-Butanone	96.2		1	6.50	25.0	ug/Kg	11/19/25 11:11	VW111925
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	11/19/25 11:11	VW111925
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.75	5.00	ug/Kg	11/19/25 11:11	VW111925
74-97-5	Bromochloromethane	22.0		1	1.20	5.00	ug/Kg	11/19/25 11:11	VW111925
67-66-3	Chloroform	21.9		1	0.84	5.00	ug/Kg	11/19/25 11:11	VW111925
71-55-6	1,1,1-Trichloroethane	21.2		1	0.93	5.00	ug/Kg	11/19/25 11:11	VW111925
108-87-2	Methylcyclohexane	19.6		1	0.91	5.00	ug/Kg	11/19/25 11:11	VW111925
71-43-2	Benzene	21.4		1	0.79	5.00	ug/Kg	11/19/25 11:11	VW111925
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	11/19/25 11:11	VW111925
79-01-6	Trichloroethene	20.7		1	0.81	5.00	ug/Kg	11/19/25 11:11	VW111925
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	11/19/25 11:11	VW111925
75-27-4	Bromodichloromethane	20.8		1	0.78	5.00	ug/Kg	11/19/25 11:11	VW111925
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	11/19/25 11:11	VW111925
108-88-3	Toluene	21.8		1	0.78	5.00	ug/Kg	11/19/25 11:11	VW111925
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	11/19/25 11:11	VW111925
10061-01-5	cis-1,3-Dichloropropene	20.0		1	0.62	5.00	ug/Kg	11/19/25 11:11	VW111925
79-00-5	1,1,2-Trichloroethane	21.2		1	0.92	5.00	ug/Kg	11/19/25 11:11	VW111925
591-78-6	2-Hexanone	96.5		1	3.70	25.0	ug/Kg	11/19/25 11:11	VW111925
124-48-1	Dibromochloromethane	21.1		1	0.87	5.00	ug/Kg	11/19/25 11:11	VW111925
106-93-4	1,2-Dibromoethane	20.5		1	0.88	5.00	ug/Kg	11/19/25 11:11	VW111925
127-18-4	Tetrachloroethene	20.7		1	1.10	5.00	ug/Kg	11/19/25 11:11	VW111925
108-90-7	Chlorobenzene	21.1		1	0.91	5.00	ug/Kg	11/19/25 11:11	VW111925
100-41-4	Ethyl Benzene	20.7		1	0.67	5.00	ug/Kg	11/19/25 11:11	VW111925
179601-23-1	m/p-Xylenes	41.8		1	1.20	10.0	ug/Kg	11/19/25 11:11	VW111925
95-47-6	o-Xylene	20.3		1	0.82	5.00	ug/Kg	11/19/25 11:11	VW111925
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	11/19/25 11:11	VW111925
75-25-2	Bromoform	19.6		1	0.86	5.00	ug/Kg	11/19/25 11:11	VW111925

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1119SBS01			SDG No.:	Q3649
Lab Sample ID:	VW1119SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.2		1	0.78	5.00	ug/Kg	11/19/25 11:11	VW111925
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	1.20	5.00	ug/Kg	11/19/25 11:11	VW111925
541-73-1	1,3-Dichlorobenzene	21.1		1	1.70	5.00	ug/Kg	11/19/25 11:11	VW111925
106-46-7	1,4-Dichlorobenzene	20.4		1	1.60	5.00	ug/Kg	11/19/25 11:11	VW111925
95-50-1	1,2-Dichlorobenzene	21.4		1	1.50	5.00	ug/Kg	11/19/25 11:11	VW111925
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1	1.80	5.00	ug/Kg	11/19/25 11:11	VW111925
120-82-1	1,2,4-Trichlorobenzene	19.1		1	3.00	5.00	ug/Kg	11/19/25 11:11	VW111925
87-61-6	1,2,3-Trichlorobenzene	20.2		1	3.20	5.00	ug/Kg	11/19/25 11:11	VW111925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			70 (63) - 130 (155)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.8			70 (70) - 130 (134)	104%	SPK: 50		
2037-26-5	Toluene-d8	52.2			70 (74) - 130 (123)	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.7			70 (52) - 130 (138)	101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	361000							
540-36-3	1,4-Difluorobenzene	660000							
3114-55-4	Chlorobenzene-d5	591000							
3855-82-1	1,4-Dichlorobenzene-d4	285000							

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:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBSD01			SDG No.:	Q3649
Lab Sample ID:	VW1118SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.9		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
74-87-3	Chloromethane	22.0		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-01-4	Vinyl Chloride	22.5		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
74-83-9	Bromomethane	22.2		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-00-3	Chloroethane	21.7		1	1.30	5.00	ug/Kg	11/18/25 11:02	VW111825
75-69-4	Trichlorofluoromethane	22.1		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	22.7		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-35-4	1,1-Dichloroethene	22.3		1	1.00	5.00	ug/Kg	11/18/25 11:02	VW111825
67-64-1	Acetone	100		1	4.70	25.0	ug/Kg	11/18/25 11:02	VW111825
75-15-0	Carbon Disulfide	21.5		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
1634-04-4	Methyl tert-butyl Ether	20.7		1	0.73	5.00	ug/Kg	11/18/25 11:02	VW111825
79-20-9	Methyl Acetate	20.0		1	1.50	5.00	ug/Kg	11/18/25 11:02	VW111825
75-09-2	Methylene Chloride	23.6		1	3.50	10.0	ug/Kg	11/18/25 11:02	VW111825
156-60-5	trans-1,2-Dichloroethene	22.1		1	0.86	5.00	ug/Kg	11/18/25 11:02	VW111825
75-34-3	1,1-Dichloroethane	22.6		1	0.80	5.00	ug/Kg	11/18/25 11:02	VW111825
110-82-7	Cyclohexane	22.0		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	11/18/25 11:02	VW111825
56-23-5	Carbon Tetrachloride	22.5		1	0.97	5.00	ug/Kg	11/18/25 11:02	VW111825
156-59-2	cis-1,2-Dichloroethene	21.6		1	0.75	5.00	ug/Kg	11/18/25 11:02	VW111825
74-97-5	Bromochloromethane	22.8		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
67-66-3	Chloroform	22.7		1	0.84	5.00	ug/Kg	11/18/25 11:02	VW111825
71-55-6	1,1,1-Trichloroethane	22.3		1	0.93	5.00	ug/Kg	11/18/25 11:02	VW111825
108-87-2	Methylcyclohexane	20.8		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
79-01-6	Trichloroethene	21.3		1	0.81	5.00	ug/Kg	11/18/25 11:02	VW111825
78-87-5	1,2-Dichloropropane	21.8		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
75-27-4	Bromodichloromethane	21.4		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/18/25 11:02	VW111825
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
10061-02-6	t-1,3-Dichloropropene	20.4		1	0.65	5.00	ug/Kg	11/18/25 11:02	VW111825
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	11/18/25 11:02	VW111825
79-00-5	1,1,2-Trichloroethane	21.2		1	0.92	5.00	ug/Kg	11/18/25 11:02	VW111825
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/18/25 11:02	VW111825
124-48-1	Dibromochloromethane	20.7		1	0.87	5.00	ug/Kg	11/18/25 11:02	VW111825
106-93-4	1,2-Dibromoethane	20.9		1	0.88	5.00	ug/Kg	11/18/25 11:02	VW111825
127-18-4	Tetrachloroethene	21.2		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
108-90-7	Chlorobenzene	21.5		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
100-41-4	Ethyl Benzene	21.9		1	0.67	5.00	ug/Kg	11/18/25 11:02	VW111825
179601-23-1	m/p-Xylenes	44.4		1	1.20	10.0	ug/Kg	11/18/25 11:02	VW111825
95-47-6	o-Xylene	21.2		1	0.82	5.00	ug/Kg	11/18/25 11:02	VW111825
100-42-5	Styrene	21.9		1	0.71	5.00	ug/Kg	11/18/25 11:02	VW111825
75-25-2	Bromoform	19.3		1	0.86	5.00	ug/Kg	11/18/25 11:02	VW111825

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBSD01			SDG No.:	Q3649
Lab Sample ID:	VW1118SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.7		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
541-73-1	1,3-Dichlorobenzene	22.5		1	1.70	5.00	ug/Kg	11/18/25 11:02	VW111825
106-46-7	1,4-Dichlorobenzene	21.6		1	1.60	5.00	ug/Kg	11/18/25 11:02	VW111825
95-50-1	1,2-Dichlorobenzene	21.7		1	1.50	5.00	ug/Kg	11/18/25 11:02	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1	1.80	5.00	ug/Kg	11/18/25 11:02	VW111825
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	11/18/25 11:02	VW111825
87-61-6	1,2,3-Trichlorobenzene	20.5		1	3.20	5.00	ug/Kg	11/18/25 11:02	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			70 (63) - 130 (155)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	51.2			70 (74) - 130 (123)	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			70 (52) - 130 (138)	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	368000							
540-36-3	1,4-Difluorobenzene	692000							
3114-55-4	Chlorobenzene-d5	614000							
3855-82-1	1,4-Dichlorobenzene-d4	277000							

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: HDRI08

Lab Code: ACE | SDG No.: Q3649

Instrument ID: MSVOA_W | Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.288	0.282	0.231	0.248	0.243	0.230	0.254	10
Chloromethane	0.476	0.439	0.408	0.408	0.438	0.440	0.435	5.8
Vinyl Chloride	0.591	0.567	0.525	0.538	0.543	0.528	0.549	4.6
Bromomethane	0.402	0.371	0.350	0.358	0.364	0.358	0.367	5.1
Chloroethane	0.382	0.361	0.340	0.355	0.362	0.354	0.359	3.9
Trichlorofluoromethane	0.420	0.416	0.392	0.459	0.442	0.452	0.430	5.9
1,1,2-Trichlorotrifluoroethane	0.506	0.495	0.438	0.467	0.458	0.449	0.469	5.6
1,1-Dichloroethene	0.576	0.541	0.506	0.540	0.539	0.523	0.537	4.3
Acetone	0.216	0.194	0.183	0.186	0.190	0.188	0.193	6.3
Carbon Disulfide	1.604	1.574	1.497	1.608	1.644	1.603	1.588	3.1
Methyl tert-butyl Ether	1.186	1.163	1.107	1.139	1.126	1.076	1.133	3.5
Methyl Acetate	0.486	0.494	0.459	0.463	0.476	0.487	0.478	2.9
Methylene Chloride	0.789	0.741	0.682	0.640	0.658	0.629	0.690	9.1
trans-1,2-Dichloroethene	0.646	0.619	0.596	0.603	0.624	0.598	0.615	3.1
1,1-Dichloroethane	1.217	1.156	1.091	1.148	1.168	1.138	1.153	3.5
Cyclohexane	1.236	1.141	1.016	1.027	1.003	0.976	1.066	9.5
2-Butanone	0.292	0.288	0.282	0.280	0.284	0.278	0.284	1.9
Carbon Tetrachloride	0.392	0.398	0.386	0.399	0.386	0.391	0.392	1.4
cis-1,2-Dichloroethene	0.764	0.727	0.713	0.729	0.748	0.723	0.734	2.5
Bromochloromethane	0.606	0.563	0.533	0.502	0.538	0.527	0.545	6.6
Chloroform	1.164	1.165	1.089	1.109	1.141	1.103	1.129	2.9
1,1,1-Trichloroethane	0.831	0.820	0.776	0.817	0.817	0.777	0.806	2.9
Methylcyclohexane	0.560	0.575	0.562	0.598	0.562	0.572	0.571	2.5
Benzene	1.410	1.473	1.410	1.437	1.413	1.380	1.420	2.2
1,2-Dichloroethane	0.425	0.423	0.416	0.421	0.409	0.409	0.417	1.7
Trichloroethene	0.336	0.340	0.327	0.335	0.323	0.323	0.331	2.2
1,2-Dichloropropane	0.356	0.360	0.354	0.356	0.350	0.346	0.354	1.4
Bromodichloromethane	0.460	0.469	0.456	0.482	0.481	0.482	0.471	2.5
4-Methyl-2-Pentanone	0.304	0.329	0.330	0.336	0.317	0.311	0.321	3.9
Toluene	0.875	0.896	0.870	0.894	0.870	0.859	0.877	1.7

* 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: HDRI08

Lab Code: ACE | SDG No.: Q3649

Instrument ID: MSVOA_W | Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.445	0.481	0.469	0.504	0.508	0.507	0.486	5.2
cis-1,3-Dichloropropene	0.531	0.553	0.556	0.579	0.576	0.574	0.562	3.2
1,1,2-Trichloroethane	0.288	0.283	0.282	0.293	0.278	0.277	0.284	2.1
2-Hexanone	0.223	0.245	0.241	0.244	0.231	0.226	0.235	4
Dibromochloromethane	0.306	0.317	0.314	0.320	0.320	0.322	0.317	1.9
1,2-Dibromoethane	0.261	0.292	0.279	0.281	0.272	0.272	0.276	3.8
Tetrachloroethene	0.298	0.304	0.285	0.300	0.303	0.287	0.296	2.8
Chlorobenzene	1.087	1.088	1.042	1.133	1.093	1.023	1.078	3.7
Ethyl Benzene	1.875	1.853	1.822	1.944	1.915	1.779	1.865	3.2
m/p-Xylenes	0.692	0.713	0.679	0.732	0.708	0.677	0.700	3
o-Xylene	0.668	0.659	0.662	0.682	0.699	0.653	0.670	2.5
Styrene	1.104	1.146	1.132	1.208	1.212	1.118	1.153	4
Bromoform	0.187	0.201	0.193	0.203	0.205	0.196	0.198	3.5
Isopropylbenzene	3.523	3.562	3.511	3.968	3.781	3.689	3.672	4.9
1,1,2,2-Tetrachloroethane	0.886	0.869	0.845	0.927	0.871	0.831	0.871	3.8
1,3-Dichlorobenzene	1.665	1.630	1.620	1.721	1.659	1.596	1.648	2.7
1,4-Dichlorobenzene	1.776	1.680	1.644	1.774	1.658	1.602	1.689	4.2
1,2-Dichlorobenzene	1.547	1.528	1.464	1.545	1.509	1.488	1.513	2.2
1,2-Dibromo-3-Chloropropane	0.145	0.146	0.145	0.159	0.152	0.154	0.150	3.8
1,2,4-Trichlorobenzene	0.943	0.917	0.923	1.032	0.972	0.992	0.963	4.6
1,2,3-Trichlorobenzene	0.892	0.831	0.836	0.901	0.880	0.906	0.874	3.8
1,2-Dichloroethane-d4	0.691	0.654	0.647	0.605	0.640	0.630	0.645	4.4
Dibromofluoromethane	0.314	0.302	0.305	0.287	0.297	0.291	0.299	3.3
Toluene-d8	1.171	1.176	1.152	1.130	1.136	1.125	1.148	1.9
4-Bromofluorobenzene	0.444	0.444	0.454	0.415	0.426	0.421	0.434	3.6

* 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 CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG No.: Q3649

Instrument ID: MSVOA_W | Calibration Date/Time: 11/18/2025 09:46

Lab File ID: VW032468.D | Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 15:11 17:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.247		-2.76	20
Chloromethane	0.435	0.410	0.1	-5.75	20
Vinyl Chloride	0.549	0.573		4.37	20
Bromomethane	0.367	0.375		2.18	20
Chloroethane	0.359	0.380		5.85	20
Trichlorofluoromethane	0.430	0.445		3.49	20
1,1,2-Trichlorotrifluoroethane	0.469	0.492		4.9	20
1,1-Dichloroethene	0.537	0.549		2.23	20
Acetone	0.193	0.208		7.77	20
Carbon Disulfide	1.588	1.625		2.33	20
Methyl tert-butyl Ether	1.133	1.200		5.91	20
Methyl Acetate	0.478	0.544		13.81	20
Methylene Chloride	0.690	0.704		2.03	20
trans-1,2-Dichloroethene	0.615	0.640		4.07	20
1,1-Dichloroethane	1.153	1.234	0.1	7.03	20
Cyclohexane	1.066	1.052		-1.31	20
2-Butanone	0.284	0.296		4.22	20
Carbon Tetrachloride	0.392	0.418		6.63	20
cis-1,2-Dichloroethene	0.734	0.773		5.31	20
Bromochloromethane	0.545	0.588		7.89	20
Chloroform	1.129	1.213		7.44	20
1,1,1-Trichloroethane	0.806	0.852		5.71	20
Methylcyclohexane	0.571	0.590		3.33	20
Benzene	1.420	1.504		5.91	20
1,2-Dichloroethane	0.417	0.458		9.83	20
Trichloroethene	0.331	0.339		2.42	20
1,2-Dichloropropane	0.354	0.380		7.34	20
Bromodichloromethane	0.471	0.501		6.37	20
4-Methyl-2-Pentanone	0.321	0.360		12.15	20
Toluene	0.877	0.931		6.16	20
t-1,3-Dichloropropene	0.486	0.516		6.17	20
cis-1,3-Dichloropropene	0.562	0.601		6.94	20
1,1,2-Trichloroethane	0.284	0.305		7.39	20
2-Hexanone	0.235	0.255		8.51	20
Dibromochloromethane	0.317	0.346		9.15	20
1,2-Dibromoethane	0.276	0.291		5.43	20
Tetrachloroethene	0.296	0.303		2.37	20
Chlorobenzene	1.078	1.138	0.3	5.57	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG No.: Q3649

Instrument ID: MSVOA_W | Calibration Date/Time: 11/18/2025 09:46

Lab File ID: VW032468.D | Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 15:11 17:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	1.941		4.07	20
m/p-Xylenes	0.700	0.733		4.71	20
o-Xylene	0.670	0.694		3.58	20
Styrene	1.153	1.249		8.33	20
Bromoform	0.198	0.203	0.1	2.53	20
Isopropylbenzene	3.672	3.748		2.07	20
1,1,2,2-Tetrachloroethane	0.871	0.927	0.3	6.43	20
1,3-Dichlorobenzene	1.648	1.713		3.94	20
1,4-Dichlorobenzene	1.689	1.691		0.12	20
1,2-Dichlorobenzene	1.513	1.598		5.62	20
1,2-Dibromo-3-Chloropropane	0.150	0.155		3.33	20
1,2,4-Trichlorobenzene	0.963	0.914		-5.09	20
1,2,3-Trichlorobenzene	0.874	0.850		-2.75	20
1,2-Dichloroethane-d4	0.645	0.695		7.75	20
Dibromofluoromethane	0.299	0.310		3.68	20
Toluene-d8	1.148	1.197		4.27	20
4-Bromofluorobenzene	0.434	0.457		5.3	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG No.: Q3649

Instrument ID: MSVOA_W | Calibration Date/Time: 11/19/2025 10:01

Lab File ID: VW032490.D | Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 15:11 17:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.275		8.27	20
Chloromethane	0.435	0.456	0.1	4.83	20
Vinyl Chloride	0.549	0.594		8.2	20
Bromomethane	0.367	0.393		7.08	20
Chloroethane	0.359	0.382		6.41	20
Trichlorofluoromethane	0.430	0.419		-2.56	20
1,1,2-Trichlorotrifluoroethane	0.469	0.514		9.6	20
1,1-Dichloroethene	0.537	0.587		9.31	20
Acetone	0.193	0.217		12.44	20
Carbon Disulfide	1.588	1.707		7.49	20
Methyl tert-butyl Ether	1.133	1.191		5.12	20
Methyl Acetate	0.478	0.544		13.81	20
Methylene Chloride	0.690	0.738		6.96	20
trans-1,2-Dichloroethene	0.615	0.678		10.24	20
1,1-Dichloroethane	1.153	1.290	0.1	11.88	20
Cyclohexane	1.066	1.077		1.03	20
2-Butanone	0.284	0.303		6.69	20
Carbon Tetrachloride	0.392	0.429		9.44	20
cis-1,2-Dichloroethene	0.734	0.800		8.99	20
Bromochloromethane	0.545	0.601		10.27	20
Chloroform	1.129	1.290		14.26	20
1,1,1-Trichloroethane	0.806	0.859		6.58	20
Methylcyclohexane	0.571	0.600		5.08	20
Benzene	1.420	1.545		8.8	20
1,2-Dichloroethane	0.417	0.472		13.19	20
Trichloroethene	0.331	0.343		3.63	20
1,2-Dichloropropane	0.354	0.399		12.71	20
Bromodichloromethane	0.471	0.534		13.38	20
4-Methyl-2-Pentanone	0.321	0.360		12.15	20
Toluene	0.877	0.971		10.72	20
t-1,3-Dichloropropene	0.486	0.523		7.61	20
cis-1,3-Dichloropropene	0.562	0.604		7.47	20
1,1,2-Trichloroethane	0.284	0.315		10.91	20
2-Hexanone	0.235	0.257		9.36	20
Dibromochloromethane	0.317	0.346		9.15	20
1,2-Dibromoethane	0.276	0.296		7.25	20
Tetrachloroethene	0.296	0.324		9.46	20
Chlorobenzene	1.078	1.146	0.3	6.31	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: MSVOA_W Calibration Date/Time: 11/19/2025 10:01

Lab File ID: VW032490.D Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:11 17:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	1.963		5.26	20
m/p-Xylenes	0.700	0.774		10.57	20
o-Xylene	0.670	0.727		8.51	20
Styrene	1.153	1.262		9.45	20
Bromoform	0.198	0.212	0.1	7.07	20
Isopropylbenzene	3.672	3.940		7.3	20
1,1,2,2-Tetrachloroethane	0.871	0.955	0.3	9.64	20
1,3-Dichlorobenzene	1.648	1.823		10.62	20
1,4-Dichlorobenzene	1.689	1.798		6.45	20
1,2-Dichlorobenzene	1.513	1.662		9.85	20
1,2-Dibromo-3-Chloropropane	0.150	0.154		2.67	20
1,2,4-Trichlorobenzene	0.963	1.008		4.67	20
1,2,3-Trichlorobenzene	0.874	0.913		4.46	20
1,2-Dichloroethane-d4	0.645	0.700		8.53	20
Dibromofluoromethane	0.299	0.314		5.02	20
Toluene-d8	1.148	1.220		6.27	20
4-Bromofluorobenzene	0.434	0.459		5.76	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Quant Time: Nov 20 01:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

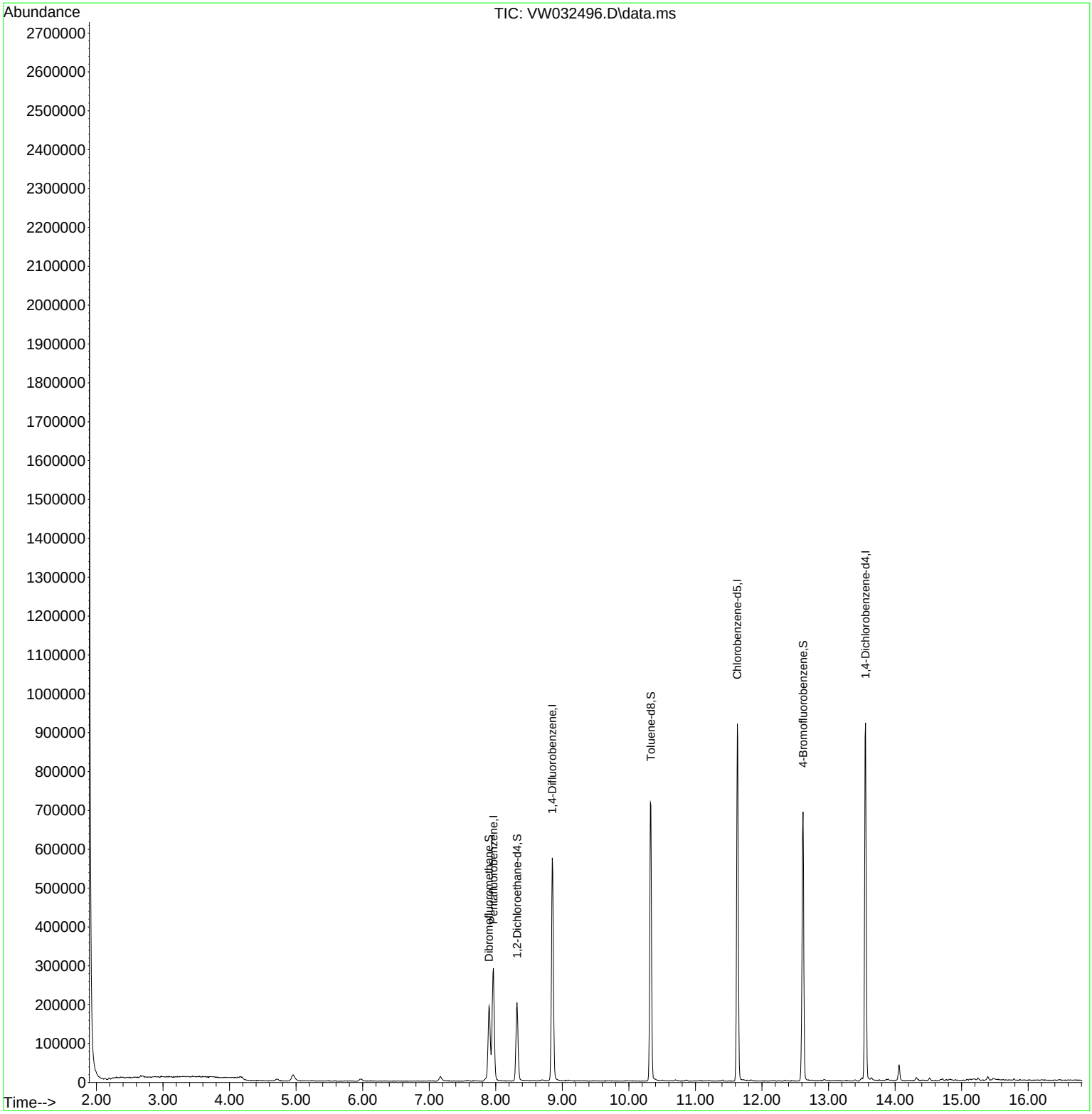
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	198251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	468638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	515247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	242262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159876	62.551	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 125.100%			
35) Dibromofluoromethane	7.898	113	142415	50.756	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.520%			
50) Toluene-d8	10.331	98	494358	45.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.617	95	226269	55.645	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.300%			
Target Compounds						Qvalue

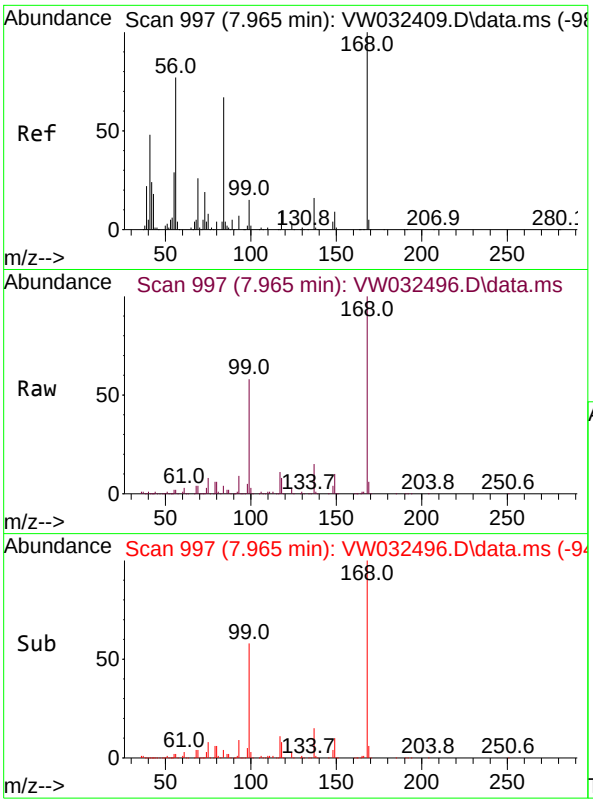
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Quant Time: Nov 20 01:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



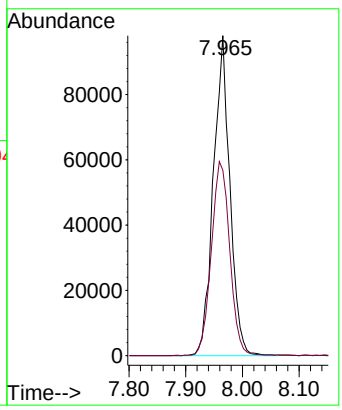


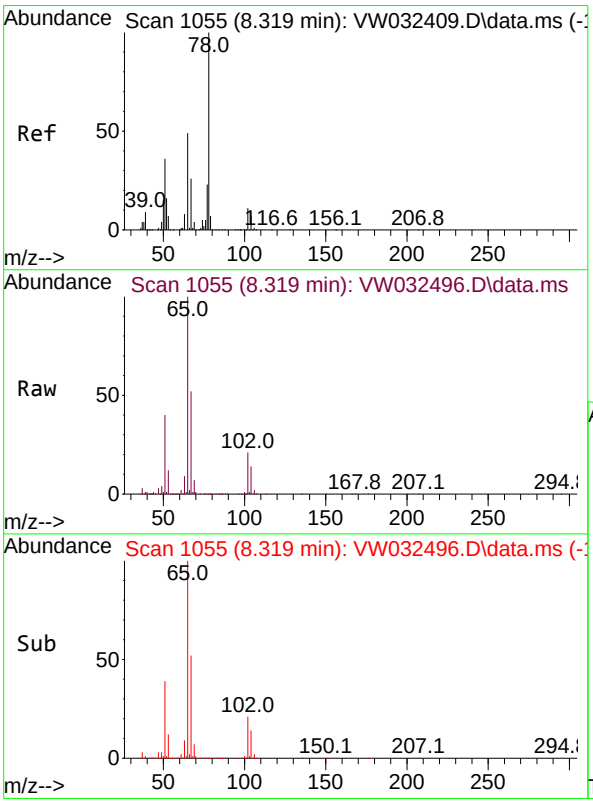
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Tgt Ion:168 Resp: 198251

Ion	Ratio	Lower	Upper
168	100		
99	57.8	45.4	68.2

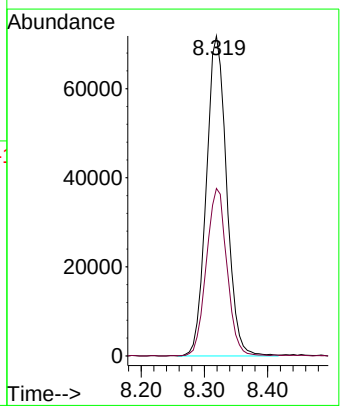


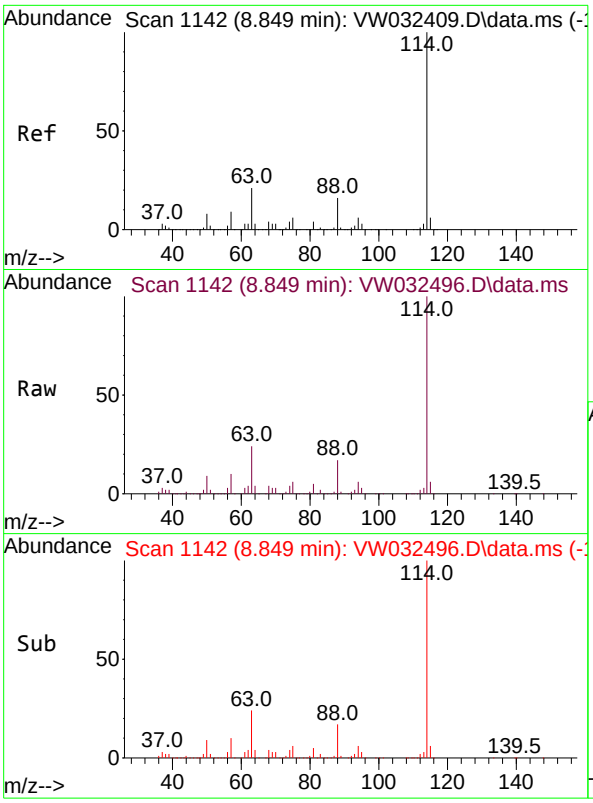


#33
1,2-Dichloroethane-d4
Concen: 62.551 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Tgt Ion: 65 Resp: 159876

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8



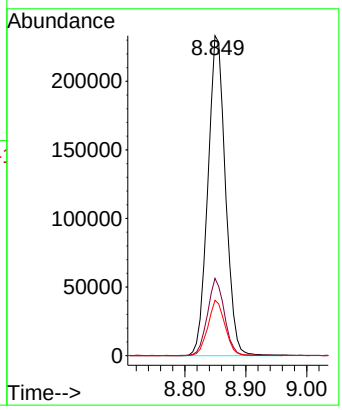


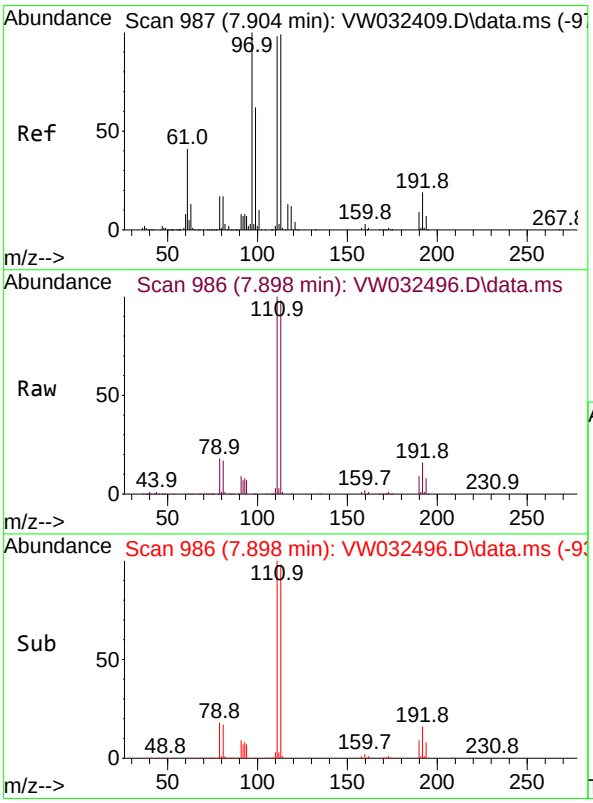
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Tgt Ion:114 Resp: 468638

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	41.8
88	17.3	0.0	32.6

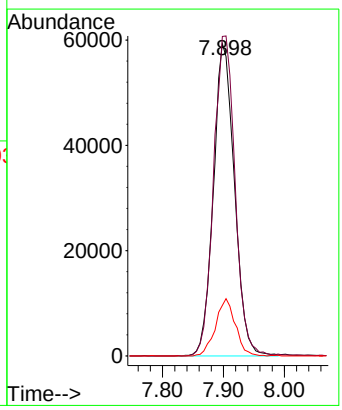


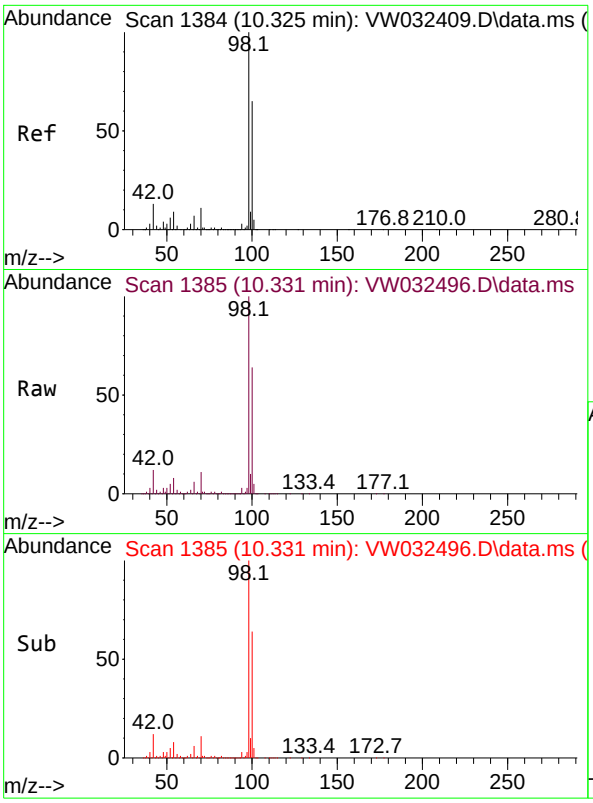


#35
Dibromofluoromethane
Concen: 50.756 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Tgt Ion:113 Resp: 142415

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.3	13.4	20.2



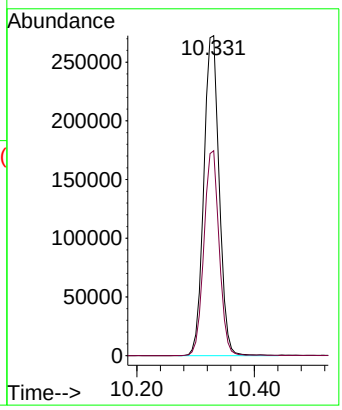


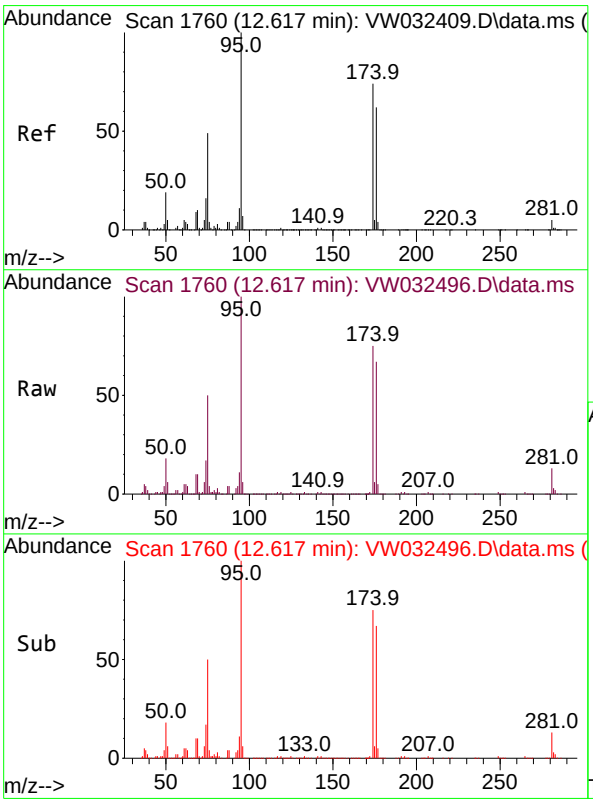
#50
Toluene-d8
Concen: 45.926 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Tgt Ion: 98 Resp: 494358

Ion	Ratio	Lower	Upper
98	100		
100	63.6	53.3	79.9

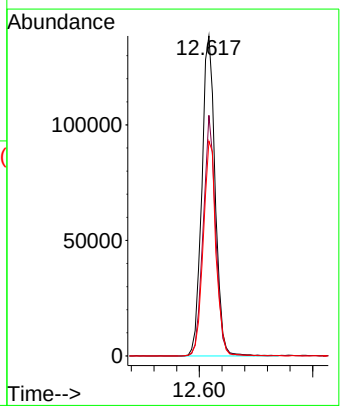


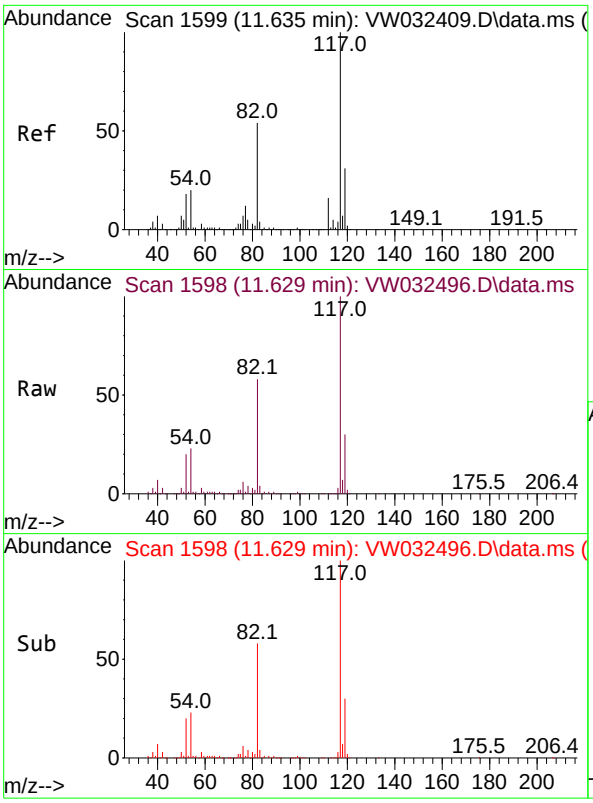


#62
4-Bromofluorobenzene
Concen: 55.645 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Tgt Ion: 95 Resp: 226269

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	135.4
176	64.1	0.0	131.8



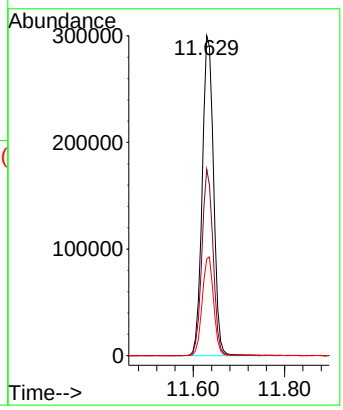


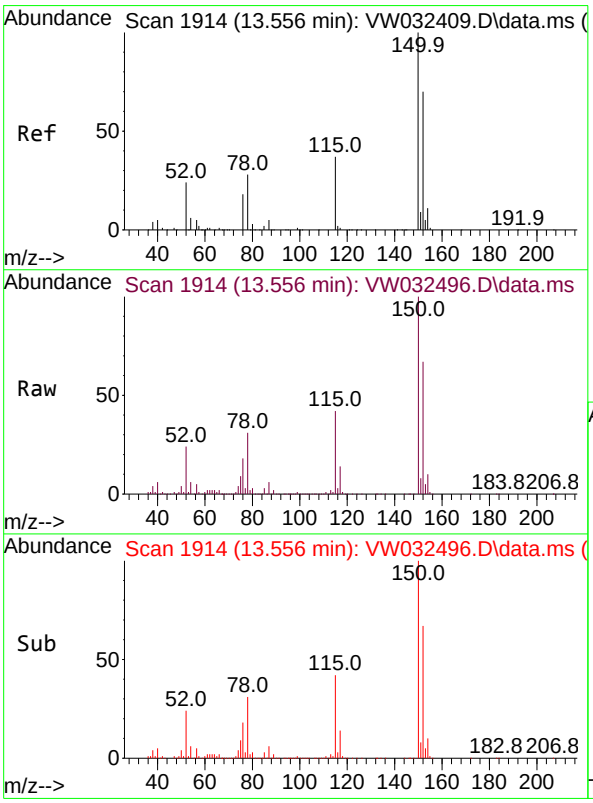
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Tgt Ion:117 Resp: 515247

Ion	Ratio	Lower	Upper
117	100		
82	58.3	43.0	64.4
119	30.2	25.0	37.6

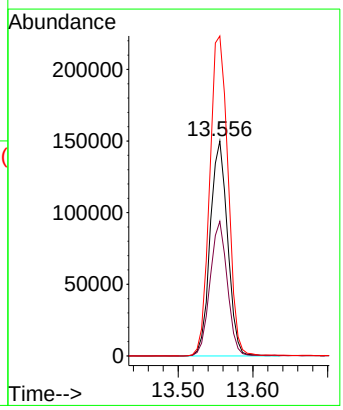




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032496.D
Acq: 19 Nov 2025 12:52

Tgt Ion:152 Resp: 242262

Ion	Ratio	Lower	Upper
152	100		
115	62.0	32.8	98.3
150	156.6	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032496.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	493	503	519	rBV2	15727	59349	3.73%	0.693%
2	7.167	857	866	878	rBV	11909	36084	2.27%	0.422%
3	7.898	969	986	991	rBV2	194106	481306	30.29%	5.623%
4	7.965	991	997	1010	rVB2	288956	654046	41.16%	7.641%
5	8.319	1046	1055	1066	rBV	201328	444541	27.97%	5.193%
6	8.849	1133	1142	1159	rBV	573578	1146227	72.13%	13.391%
7	10.325	1374	1384	1402	rBV	716300	1319381	83.03%	15.414%
8	11.629	1587	1598	1608	rBV	919503	1589089	100.00%	18.565%
9	12.617	1751	1760	1773	rBV2	691783	1239532	78.00%	14.481%
10	13.556	1907	1914	1925	rVB	916666	1514545	95.31%	17.694%
11	14.062	1985	1997	2006	rBV2	40682	75674	4.76%	0.884%

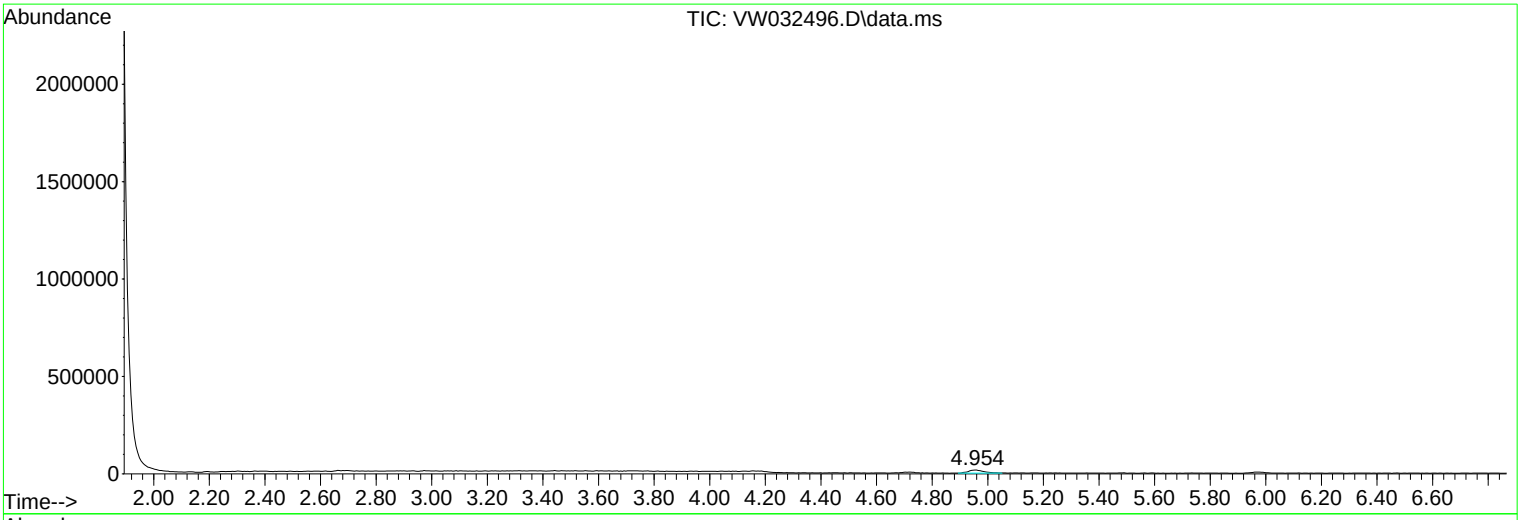
Sum of corrected areas: 8559774

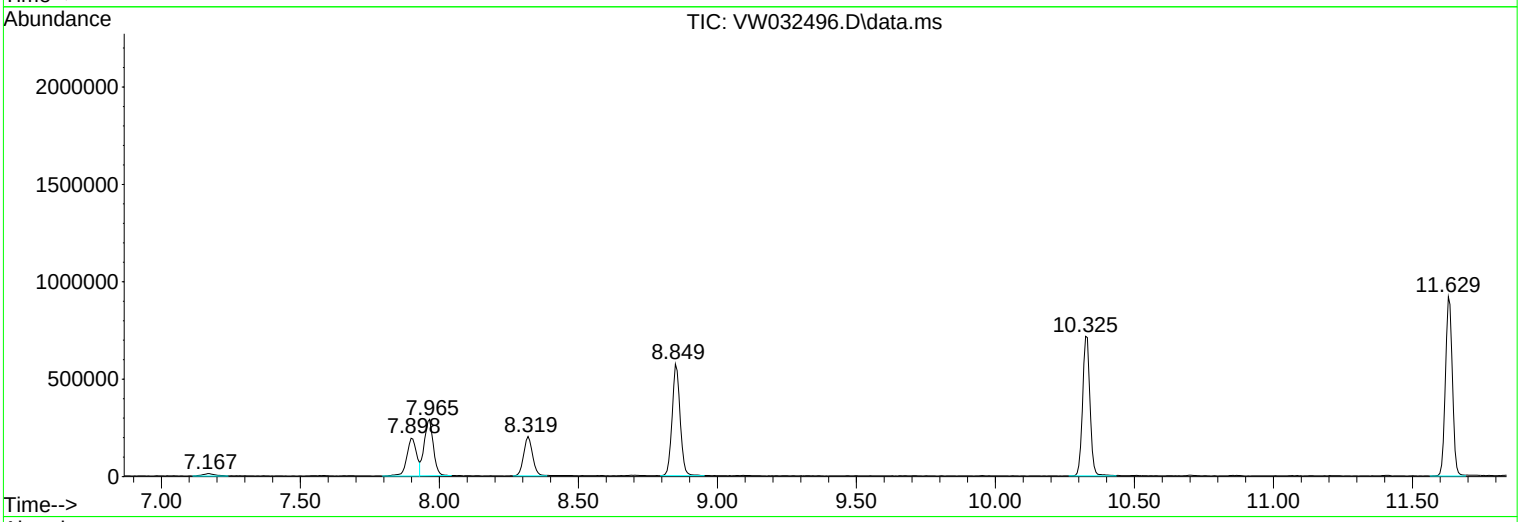
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

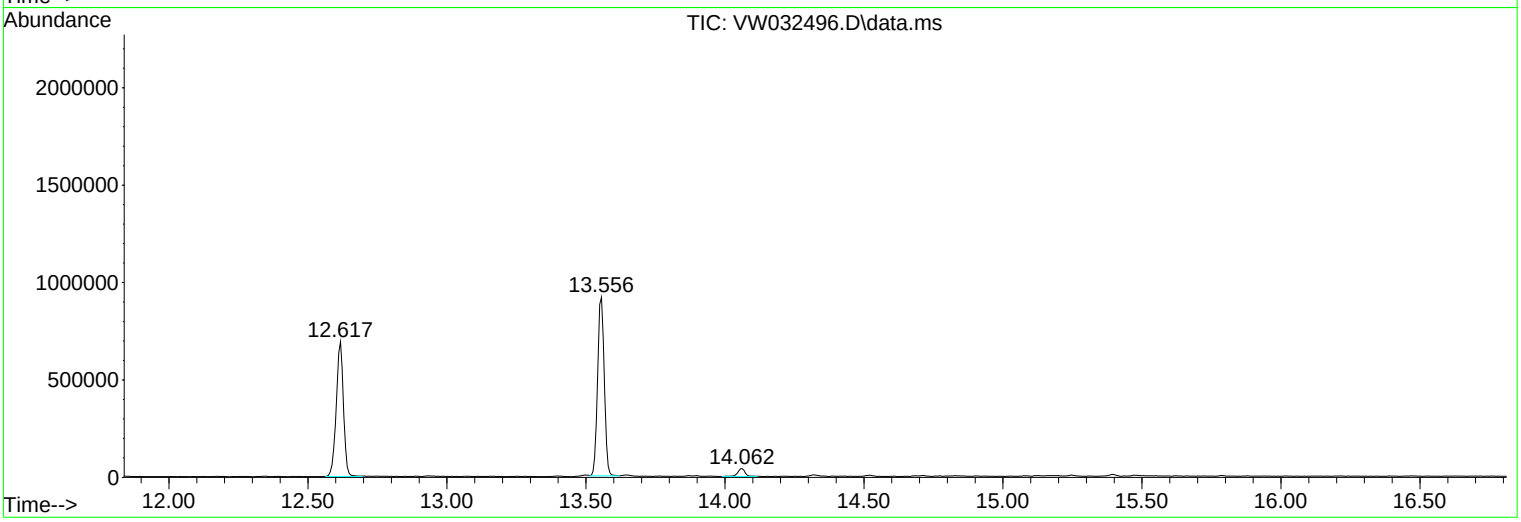
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032496.D
Acq On : 19 Nov 2025 12:52
Operator : SY/MD
Sample : Q3649-02
Misc : 7.34g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Quant Time: Nov 20 01:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

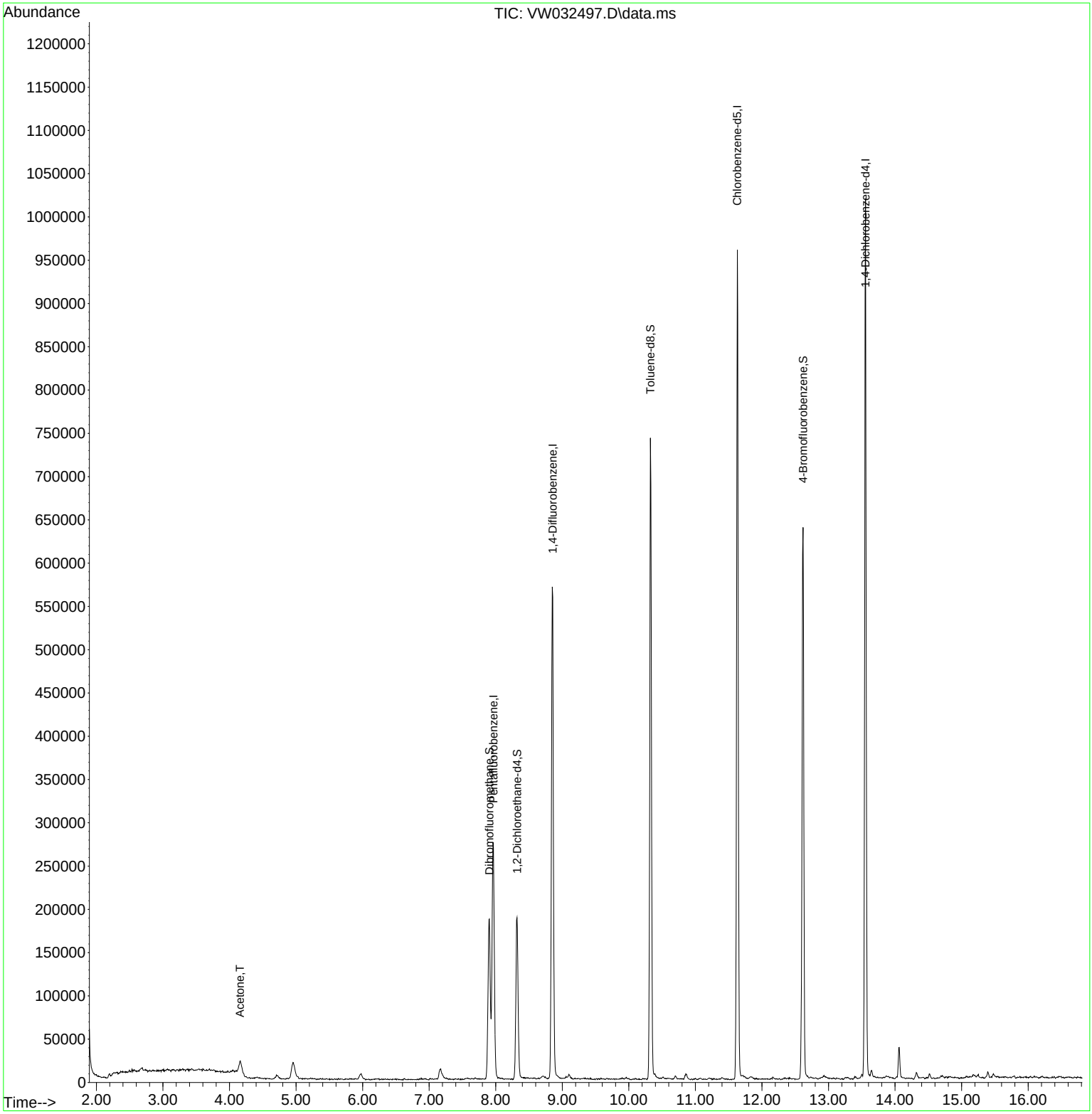
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	197627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	485828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	516048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	249401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	153222	60.137	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 120.280%			
35) Dibromofluoromethane	7.904	113	141253	48.561	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.120%			
50) Toluene-d8	10.325	98	494342	44.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 88.600%			
62) 4-Bromofluorobenzene	12.617	95	216521	51.364	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.720%			
Target Compounds						Qvalue
16) Acetone	4.155	43	24175	31.715	ug/l	99

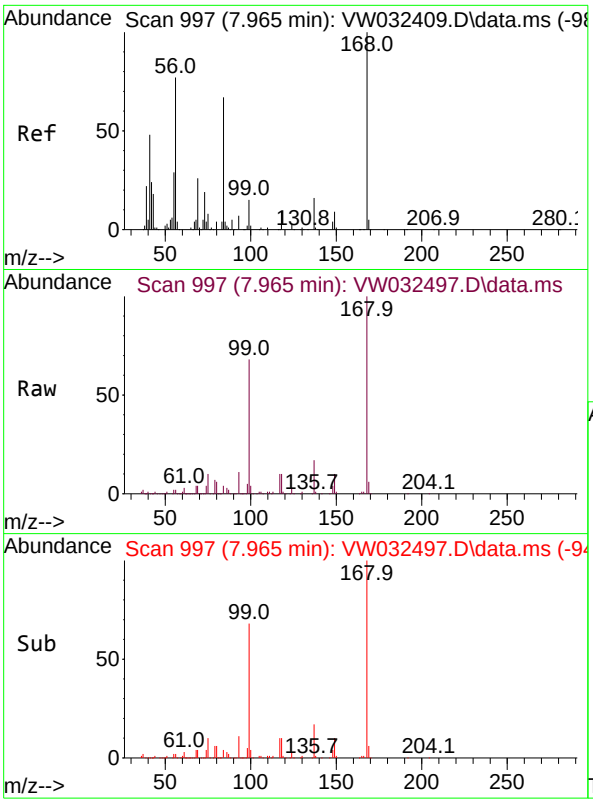
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Quant Time: Nov 20 01:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



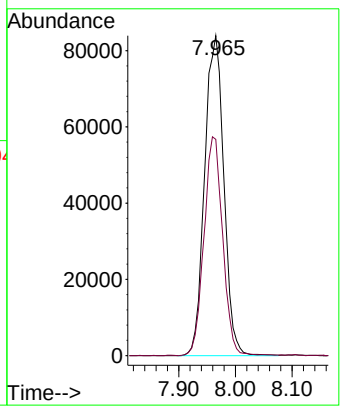


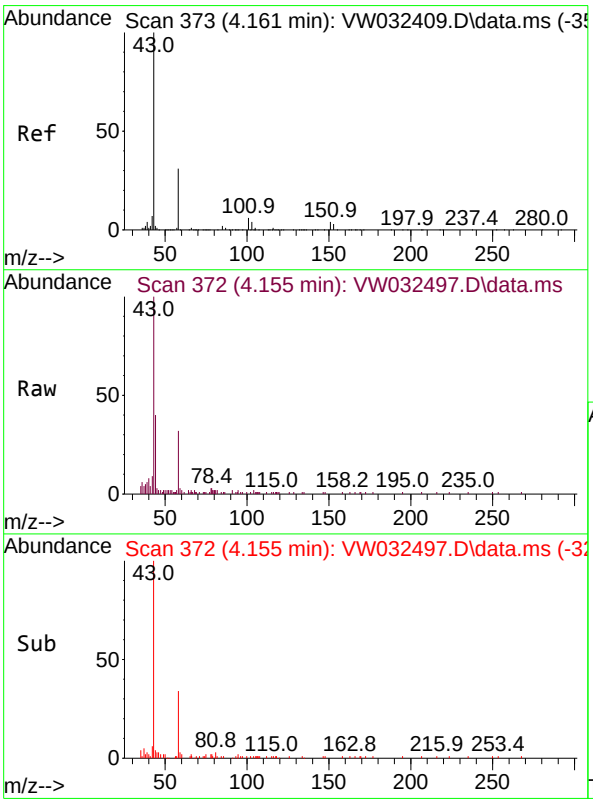
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Tgt Ion:168 Resp: 197627

Ion	Ratio	Lower	Upper
168	100		
99	67.6	45.4	68.2

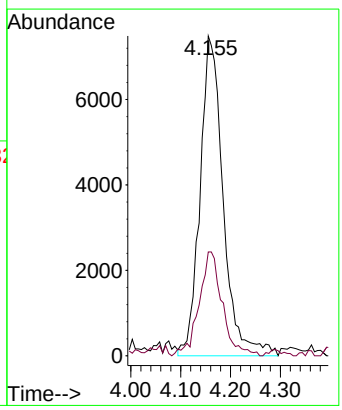


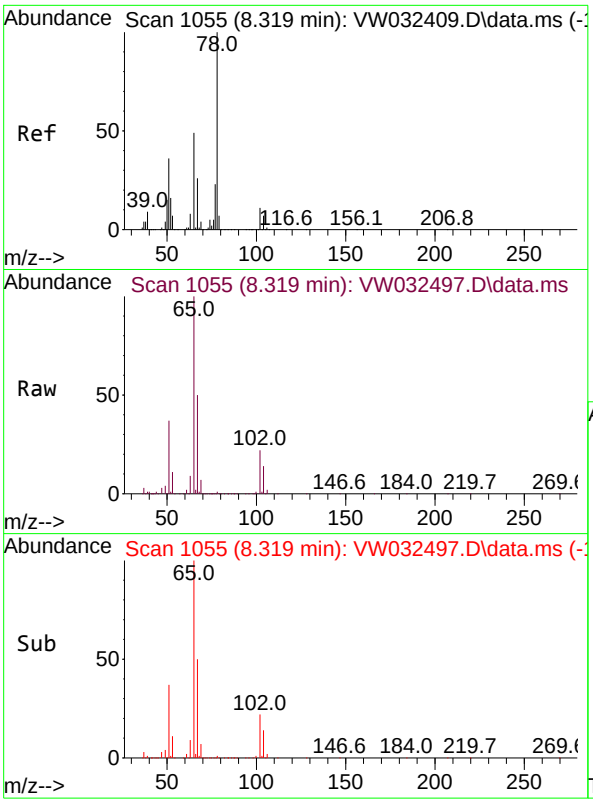


#16
Acetone
Concen: 31.715 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 43 Resp: 24175

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.8	37.2



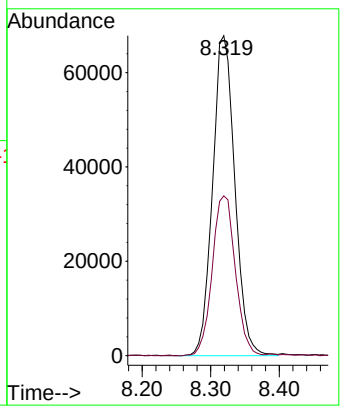


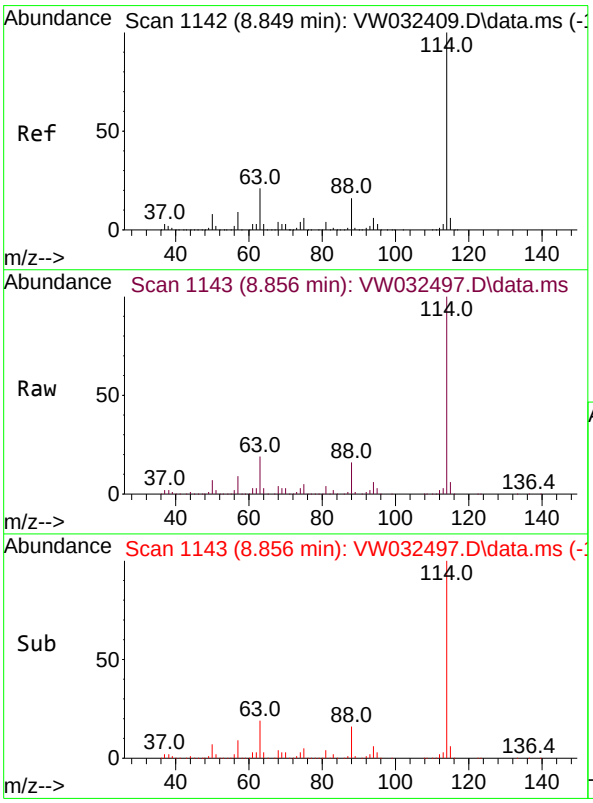
#33
1,2-Dichloroethane-d4
Concen: 60.137 ug/l
RT: 8.319 min Scan# 10
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Tgt Ion: 65 Resp: 153222

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.8

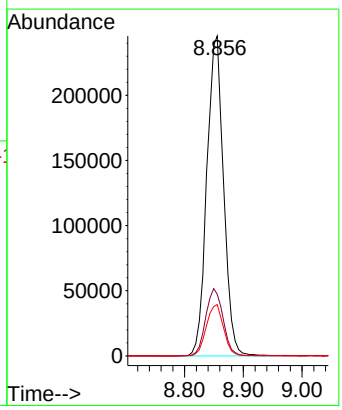


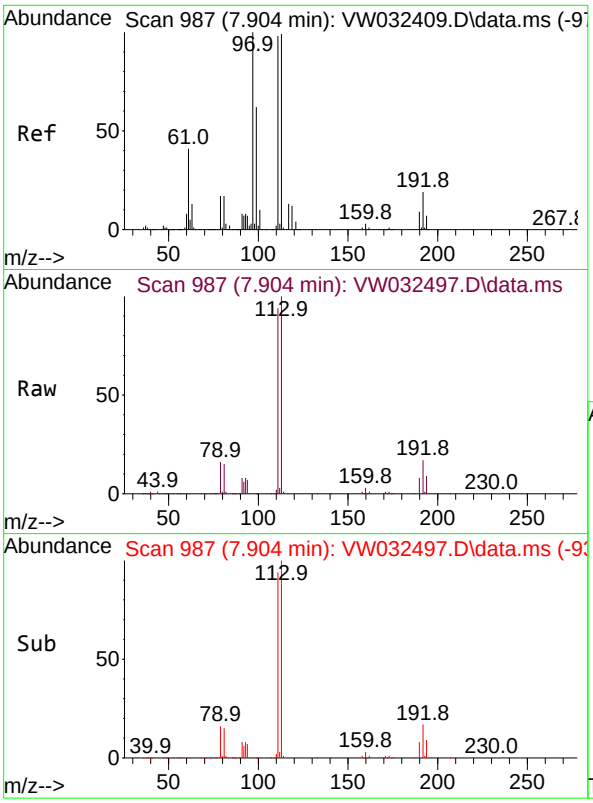


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion:114 Resp: 485828

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.8
88	16.0	0.0	32.6



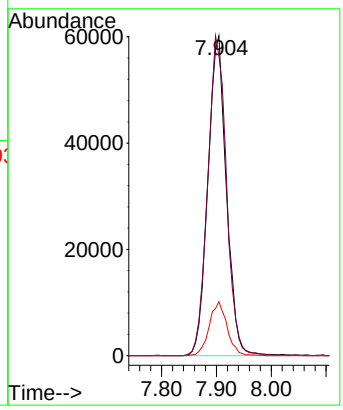


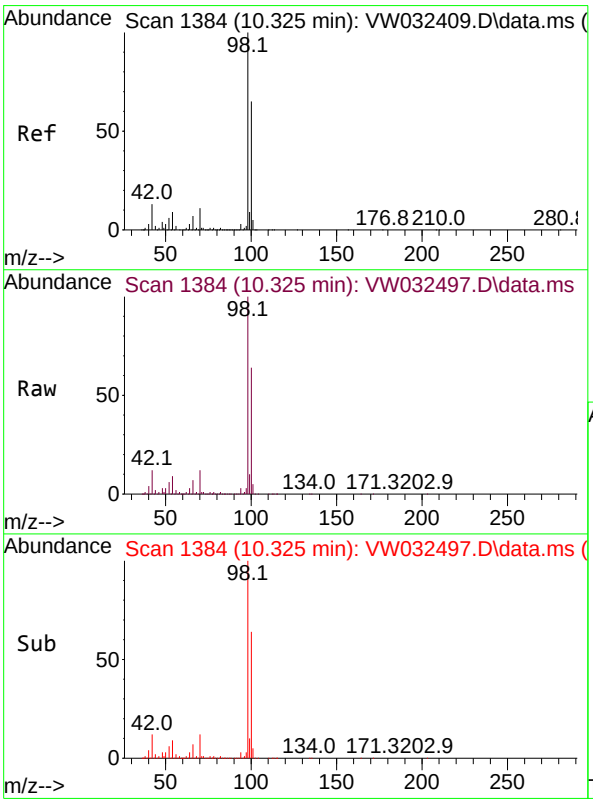
#35
Dibromofluoromethane
Concen: 48.561 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Tgt Ion:113 Resp: 141253

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.1	124.7
192	16.3	13.4	20.2

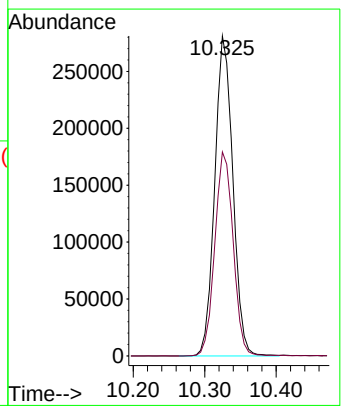




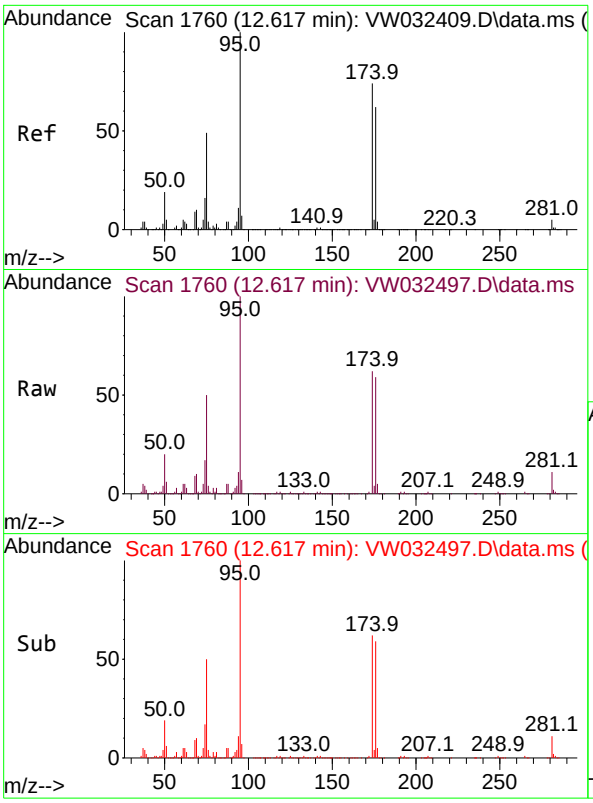
#50
Toluene-d8
Concen: 44.300 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 98 Resp: 494342

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.3	79.9



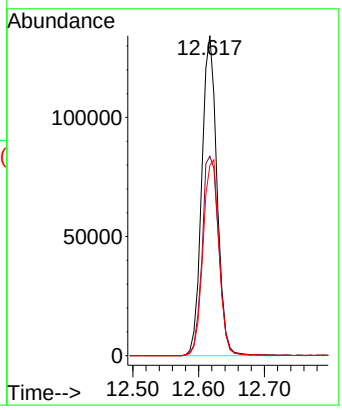
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

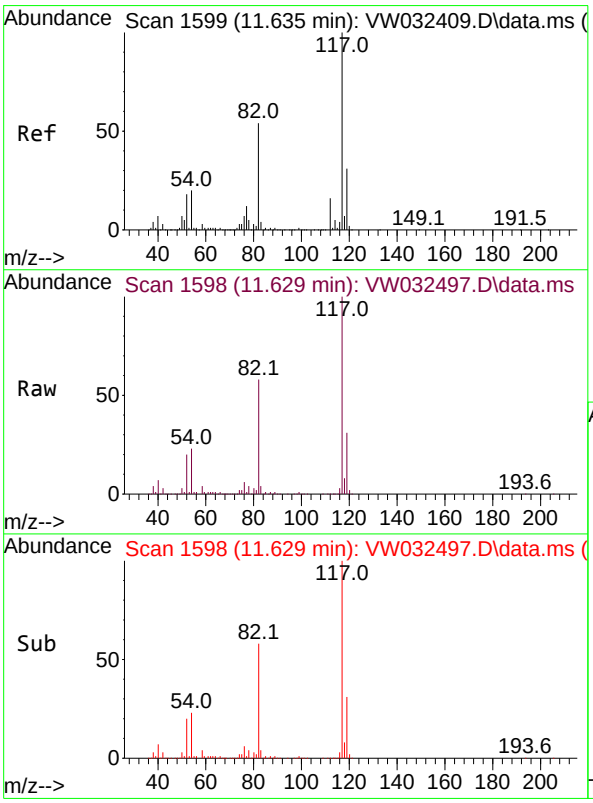


#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 95 Resp: 216521

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.4
176	64.3	0.0	131.8

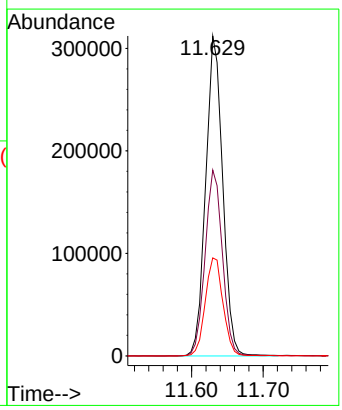


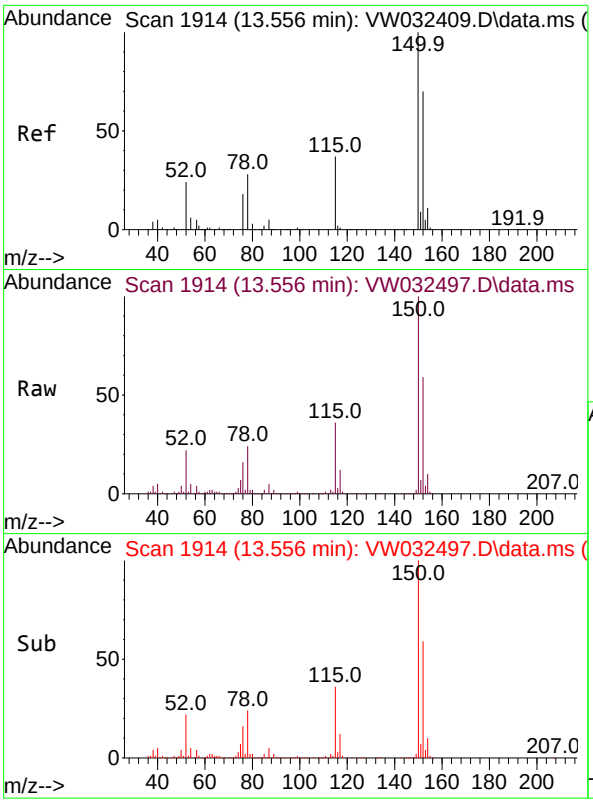


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion:117 Resp: 516048

Ion	Ratio	Lower	Upper
117	100		
82	58.1	43.0	64.4
119	30.6	25.0	37.6



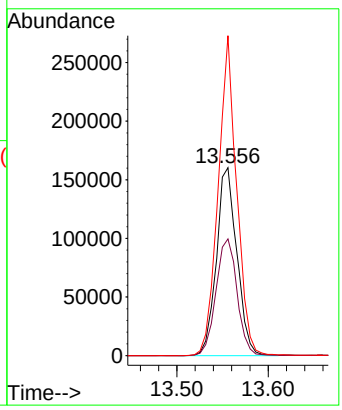


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 19
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Tgt Ion:152 Resp: 249401

Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.8	98.3
150	154.7	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032497.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	367	373	385	rVB	18330	61797	3.82%	0.714%
2	4.954	492	503	515	rBV3	19015	71225	4.40%	0.823%
3	5.978	663	671	677	rBV6	6372	17179	1.06%	0.199%
4	7.173	859	867	880	rBV3	11943	39710	2.45%	0.459%
5	7.904	975	987	991	rBV	185178	450802	27.87%	5.212%
6	7.959	991	996	1008	rVB2	272879	646310	39.95%	7.472%
7	8.319	1046	1055	1068	rBV	186913	435366	26.91%	5.033%
8	8.849	1133	1142	1159	rBV	567738	1163686	71.94%	13.454%
9	10.325	1375	1384	1393	rBV	741418	1320266	81.62%	15.264%
10	10.855	1466	1471	1483	rVB9	6843	17358	1.07%	0.201%
11	11.629	1590	1598	1607	rBV	958013	1617659	100.00%	18.702%
12	12.617	1746	1760	1770	rBV3	637654	1163711	71.94%	13.454%
13	13.556	1907	1914	1923	rBV	1013904	1567498	96.90%	18.122%
14	14.062	1992	1997	2006	rVB2	35025	59070	3.65%	0.683%
15	14.318	2033	2039	2045	rBV10	7897	17854	1.10%	0.206%

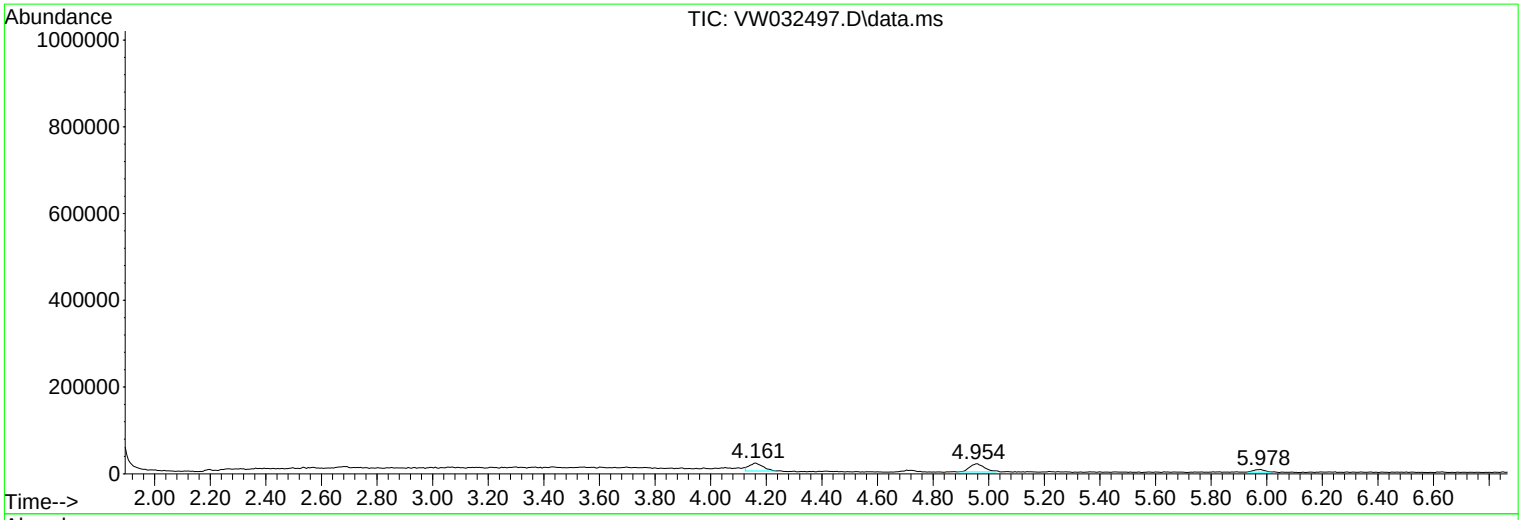
Sum of corrected areas: 8649491

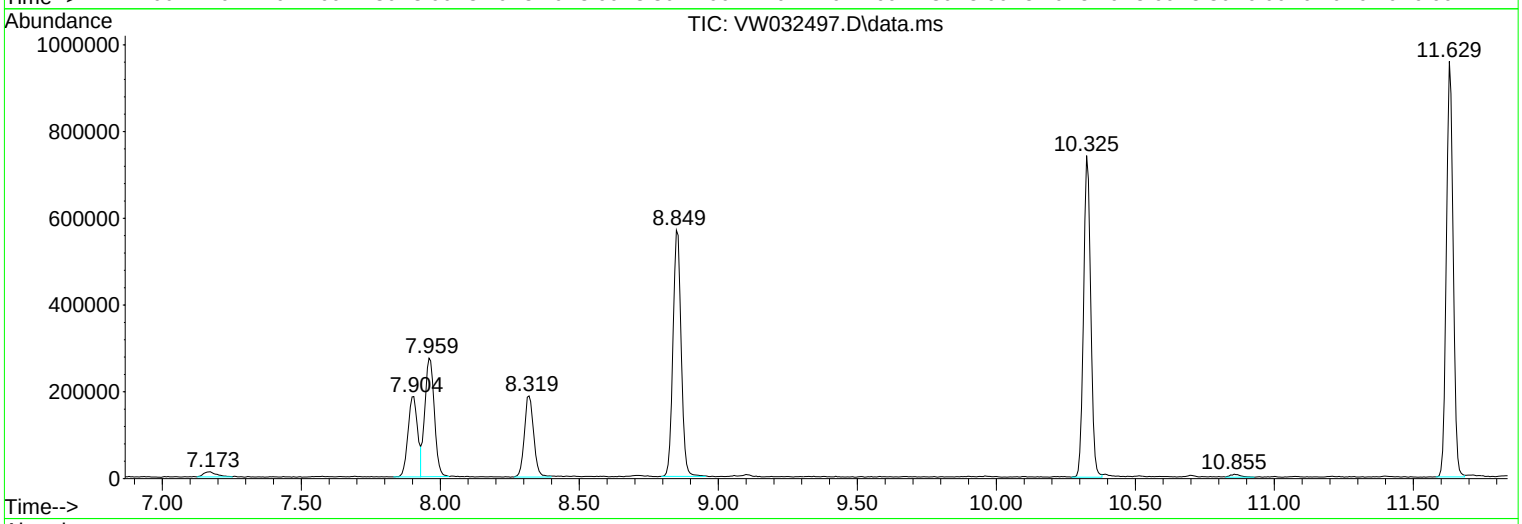
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

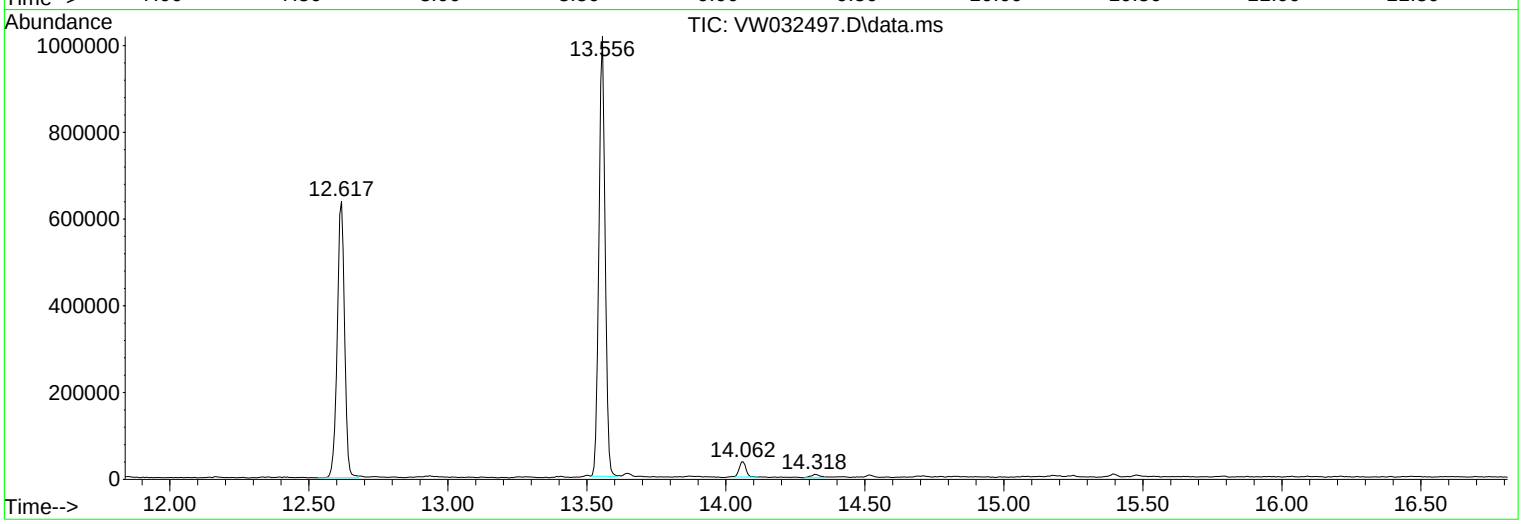
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032497.D
Acq On : 19 Nov 2025 13:14
Operator : SY/MD
Sample : Q3649-04
Misc : 6.21g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Quant Time: Nov 19 00:29:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	232615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	543396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	601253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177301	59.121	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 118.240%			
35) Dibromofluoromethane	7.904	113	162454	49.933	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.860%			
50) Toluene-d8	10.325	98	571784	45.811	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.620%			
62) 4-Bromofluorobenzene	12.617	95	266833	56.593	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 113.180%			

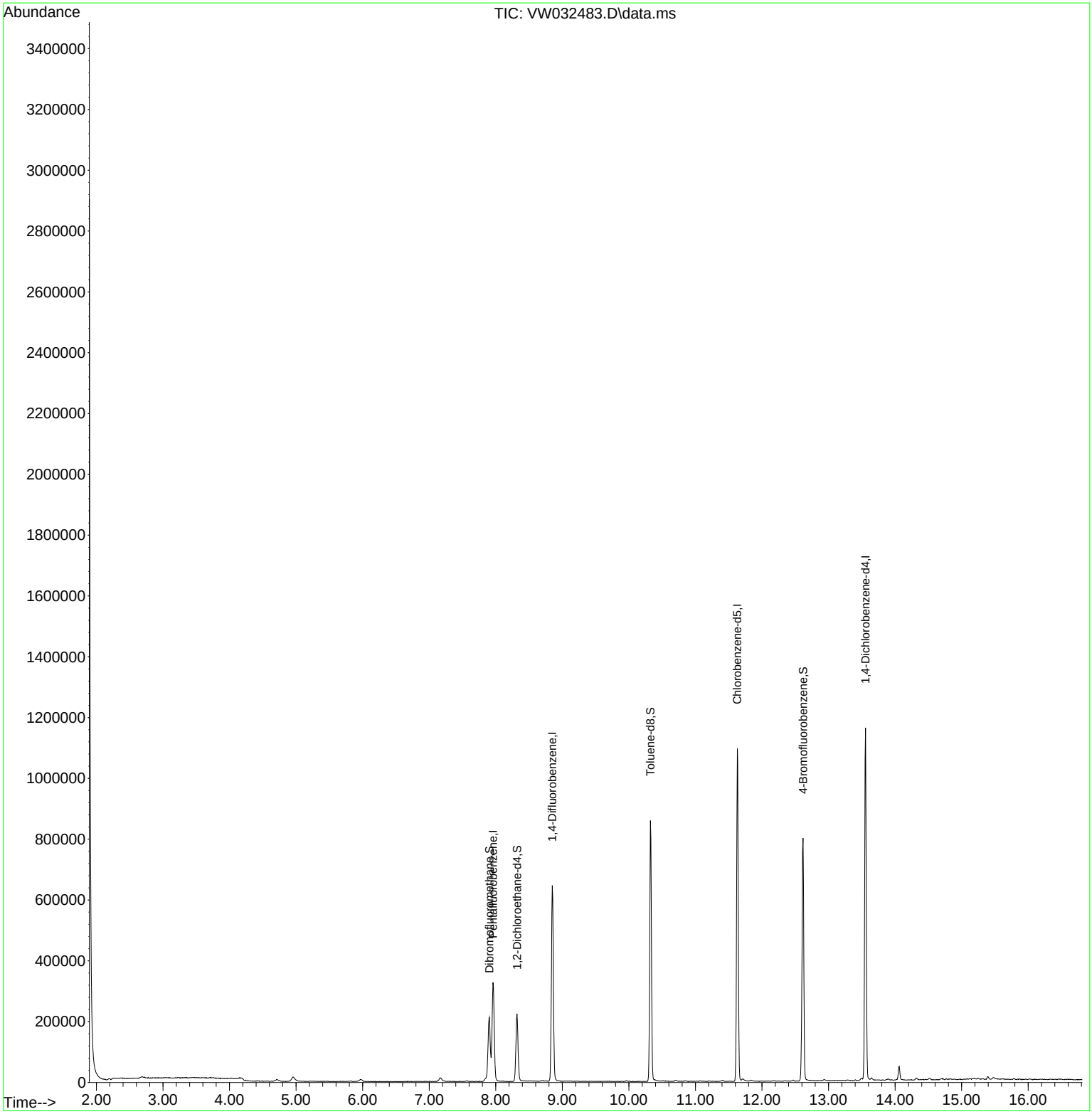
Target Compounds Qvalue

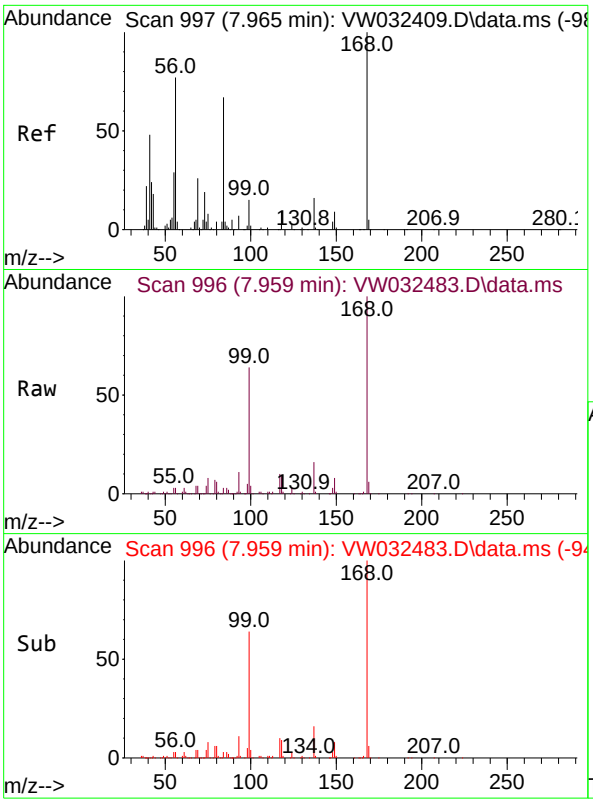
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Quant Time: Nov 19 00:29:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



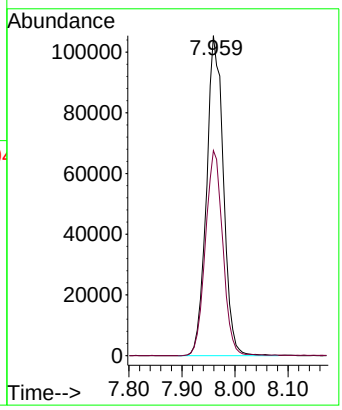


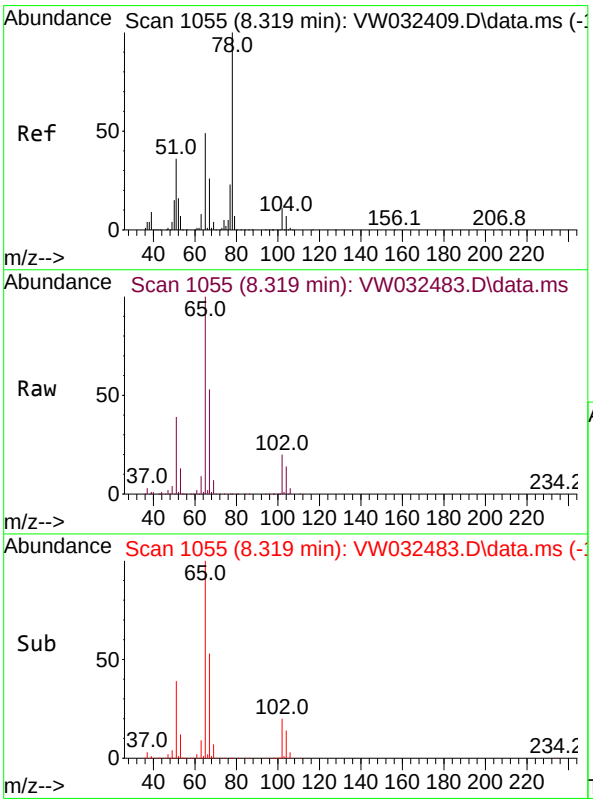
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Tgt Ion:168 Resp: 232615

Ion	Ratio	Lower	Upper
168	100		
99	64.1	45.4	68.2

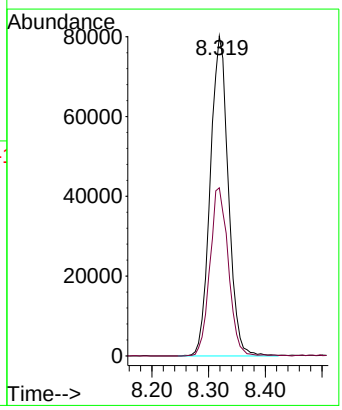


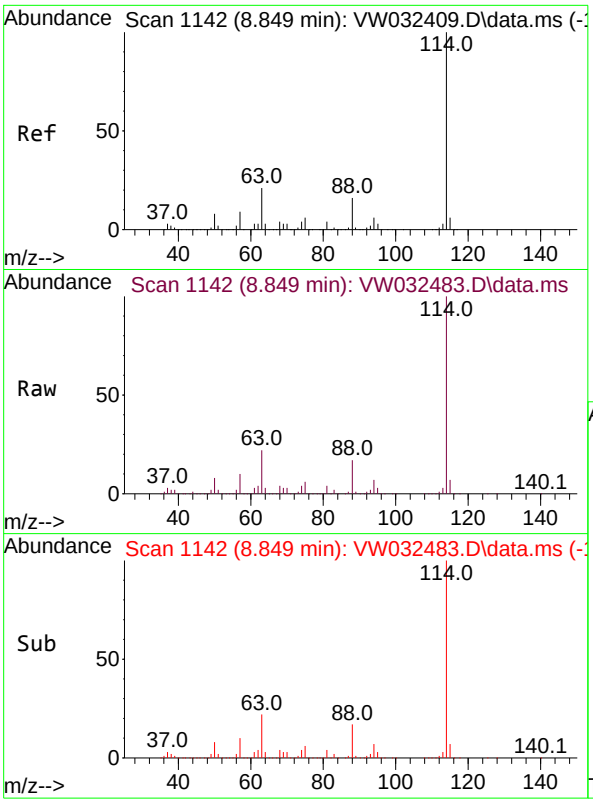


#33
1,2-Dichloroethane-d4
Concen: 59.121 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 65 Resp: 177301

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8



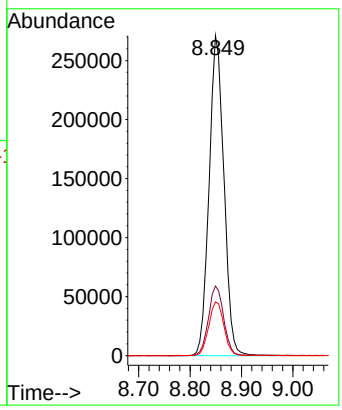


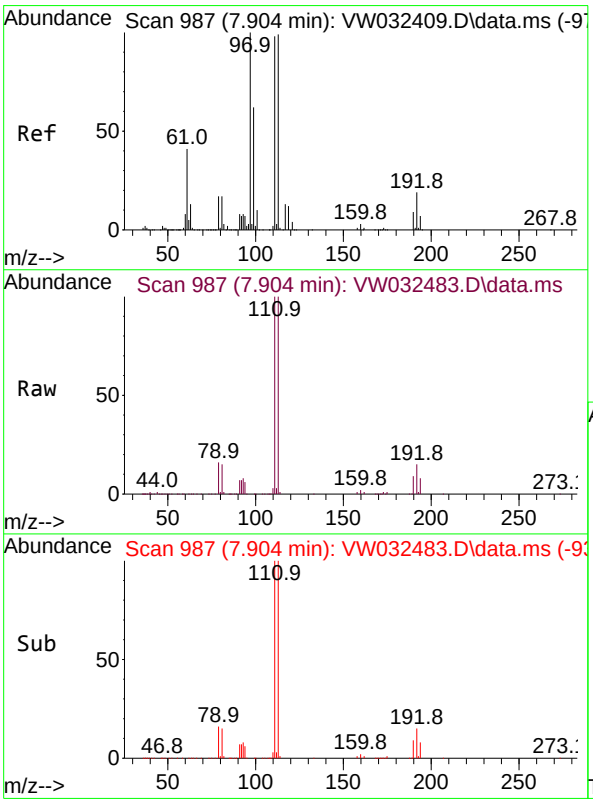
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Tgt Ion:114 Resp: 543396

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	16.8	0.0	32.6

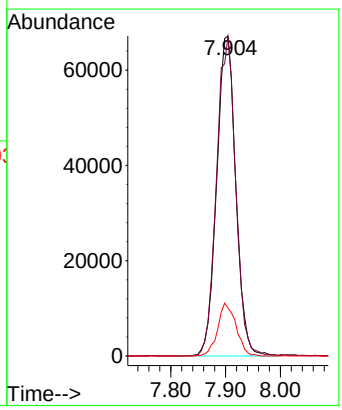


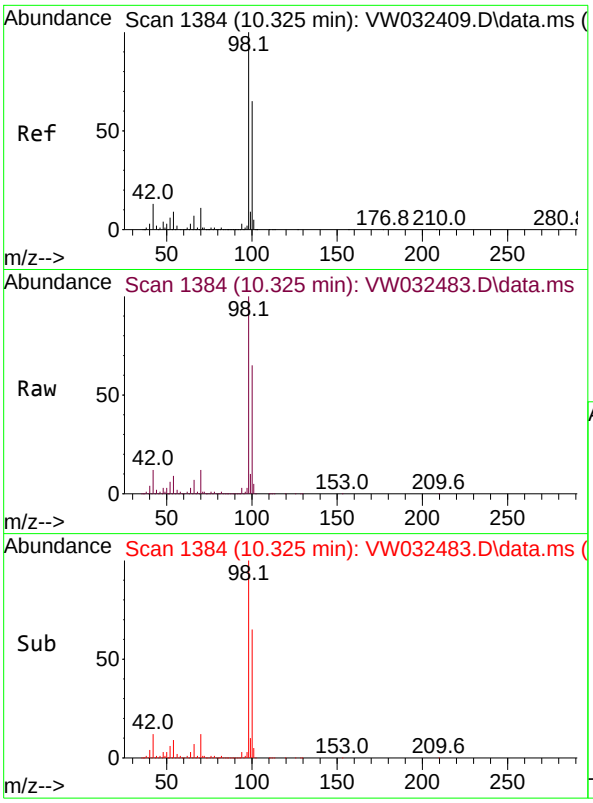


#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion:113 Resp: 162454

Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.1	124.7
192	15.8	13.4	20.2



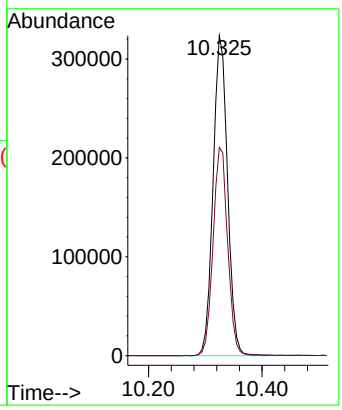


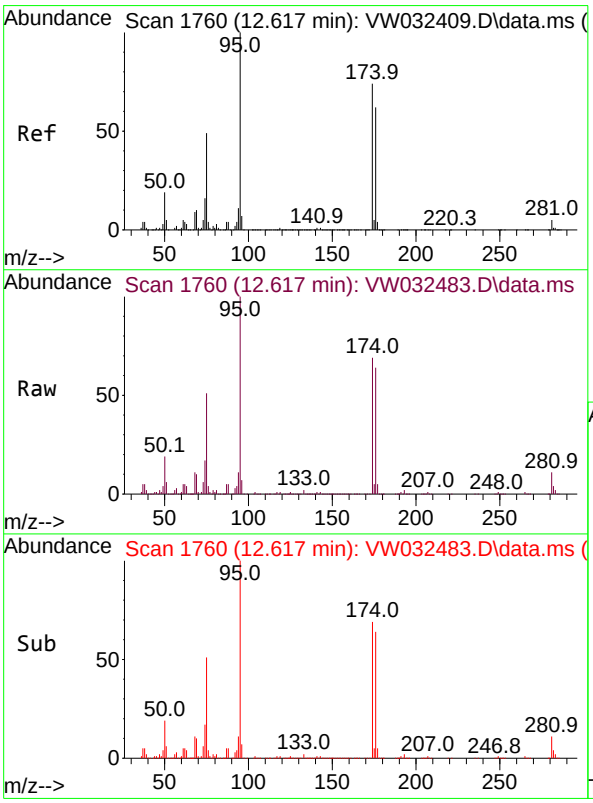
#50
Toluene-d8
Concen: 45.811 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Tgt Ion: 98 Resp: 571784

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.3	79.9

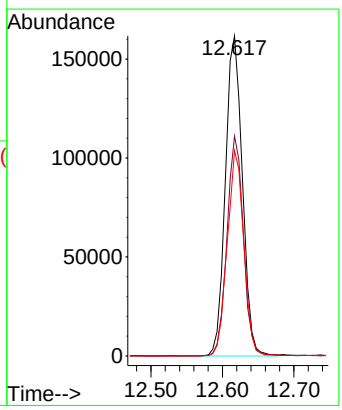


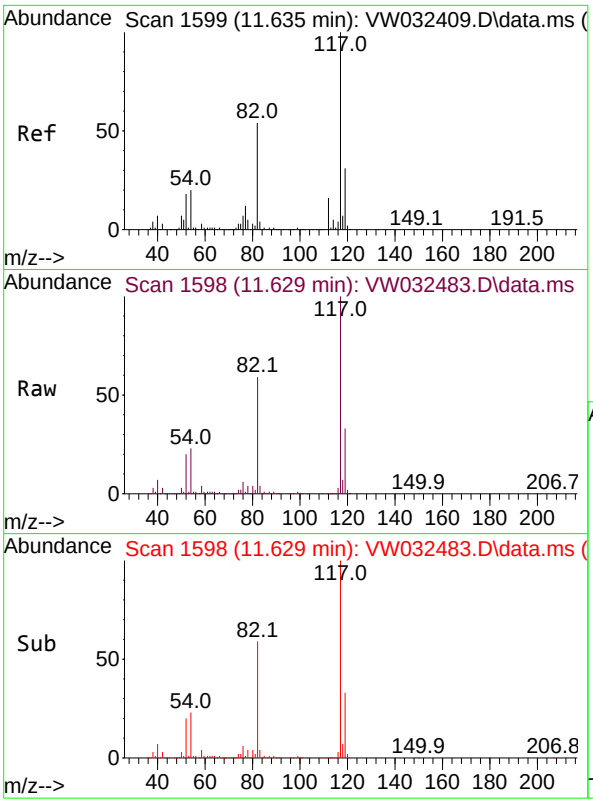


#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 95 Resp: 266833

Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	135.4
176	62.4	0.0	131.8



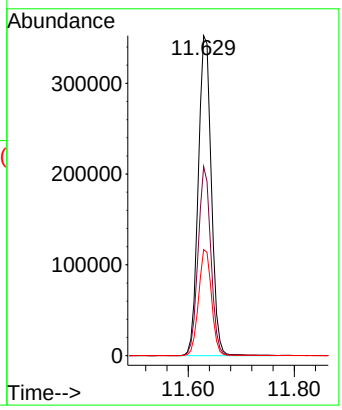


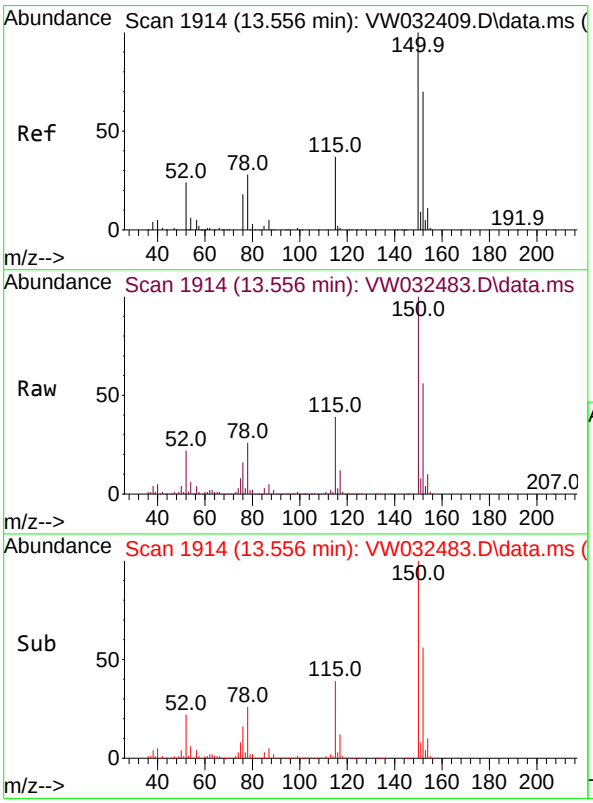
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Tgt Ion:117 Resp: 601253

Ion	Ratio	Lower	Upper
117	100		
82	59.1	43.0	64.4
119	33.1	25.0	37.6

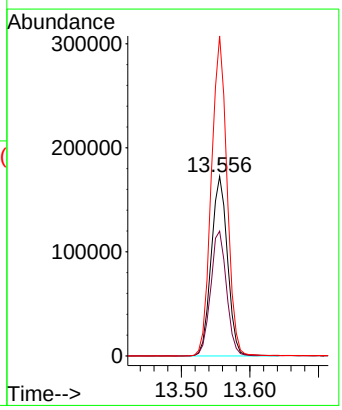




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion:152 Resp: 284001

Ion	Ratio	Lower	Upper
152	100		
115	67.9	32.8	98.3
150	171.5	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032483.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	491	503	517	rBV3	14512	55333	2.96%	0.555%
2	7.173	854	867	874	rBV2	12163	39246	2.10%	0.394%
3	7.904	968	987	991	rBV	210836	539814	28.86%	5.419%
4	7.959	991	996	1008	rVB	324125	736360	39.36%	7.392%
5	8.319	1043	1055	1067	rBV	222737	502710	26.87%	5.046%
6	8.849	1133	1142	1156	rBV	643543	1307503	69.89%	13.125%
7	10.325	1376	1384	1393	rBV	857749	1519635	81.23%	15.255%
8	11.629	1590	1598	1608	rBV	1094628	1857881	99.31%	18.650%
9	12.617	1749	1760	1775	rBV2	799001	1460945	78.09%	14.665%
10	13.556	1907	1914	1924	rVB	1155355	1870761	100.00%	18.779%
11	14.062	1991	1997	2003	rBV	43367	71648	3.83%	0.719%

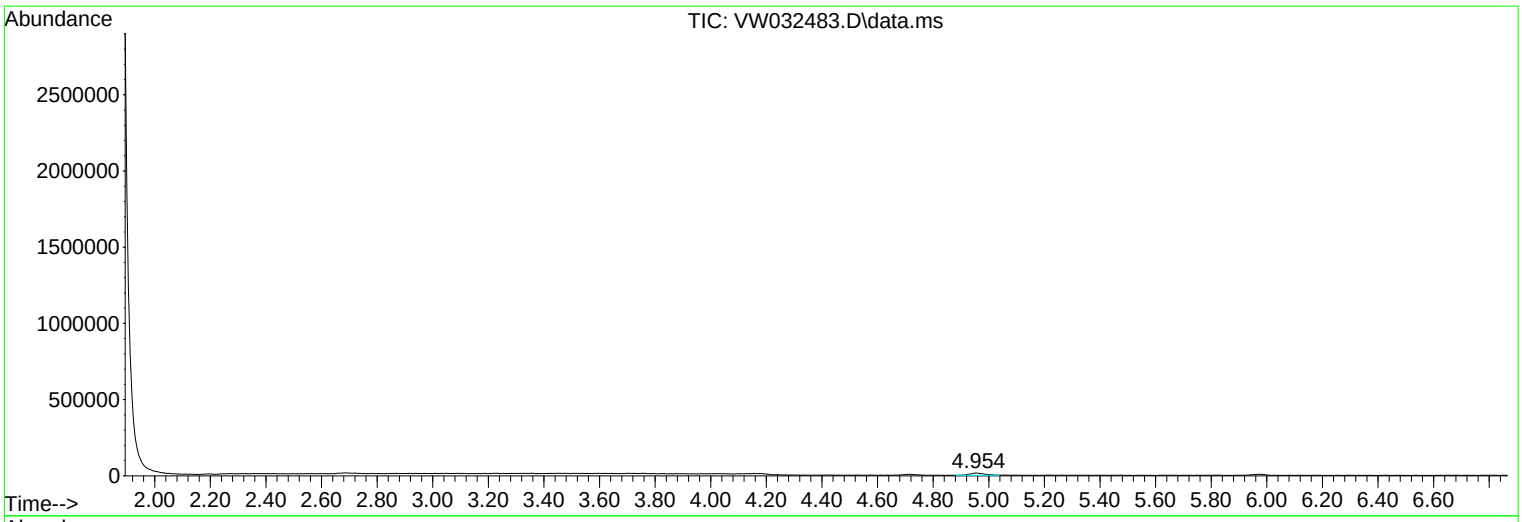
Sum of corrected areas: 9961836

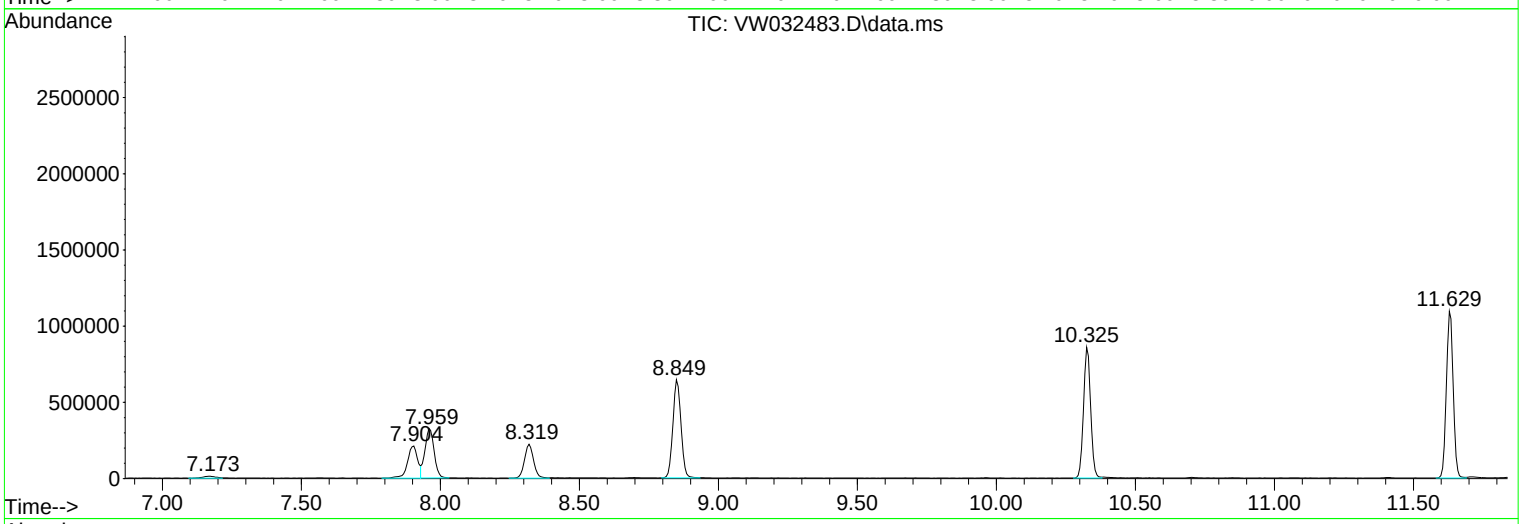
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

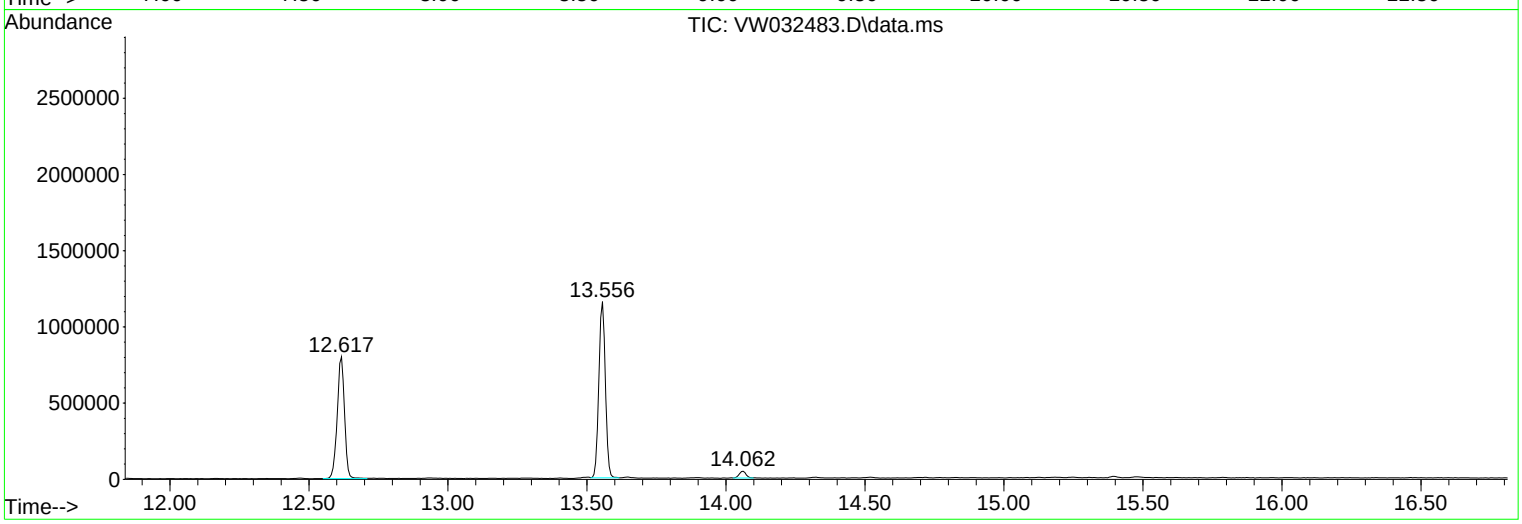
Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032483.D
Acq On : 18 Nov 2025 15:52
Operator : SY/MD
Sample : Q3649-05
Misc : 5.39g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Time: Nov 19 00:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

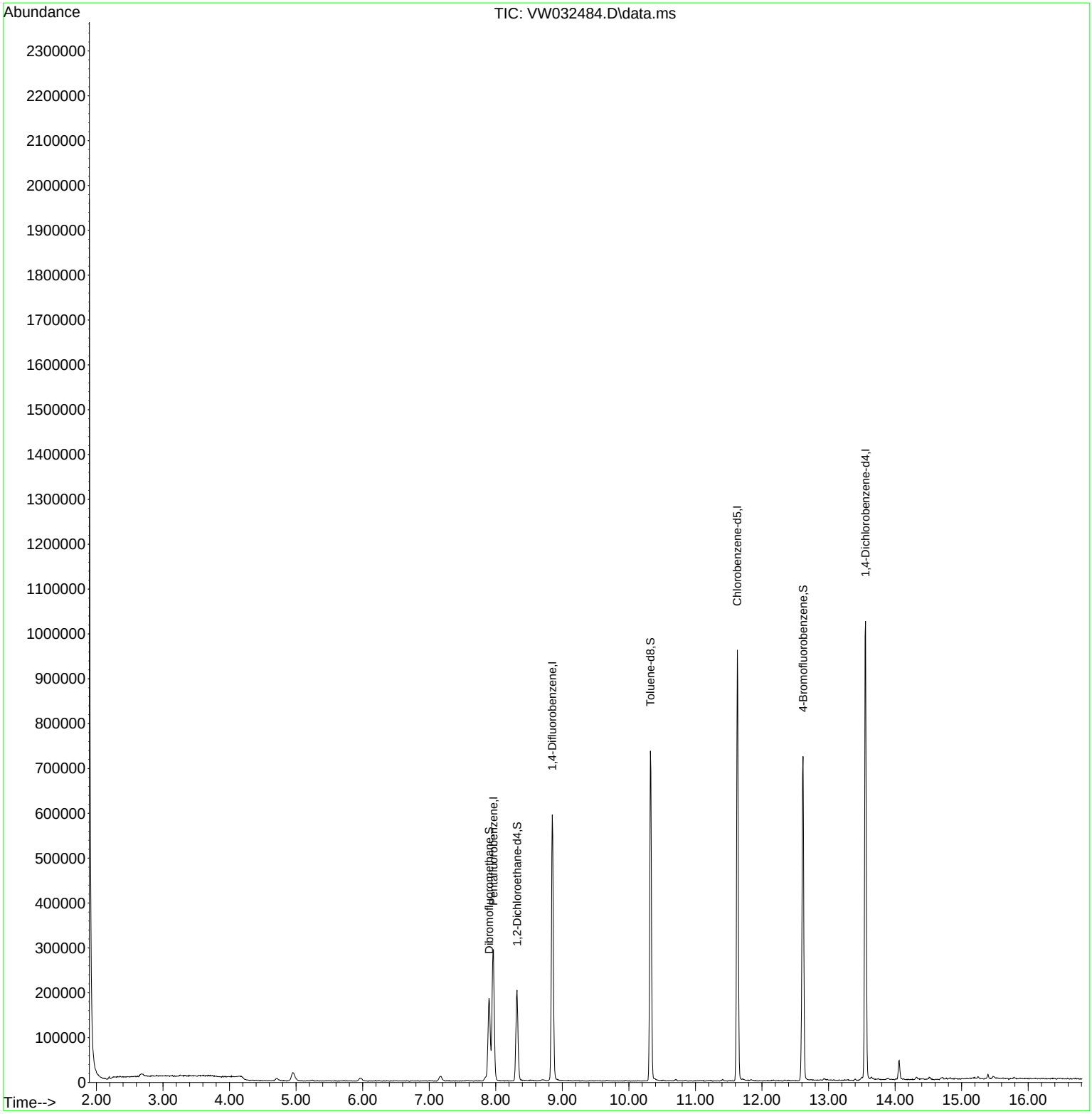
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	212864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	490545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	510548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	271829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161220	58.747	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.500%			
35) Dibromofluoromethane	7.898	113	140948	47.990	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.980%			
50) Toluene-d8	10.325	98	491285	43.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 87.200%			
62) 4-Bromofluorobenzene	12.617	95	234272	55.040	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 110.080%			
Target Compounds						Qvalue

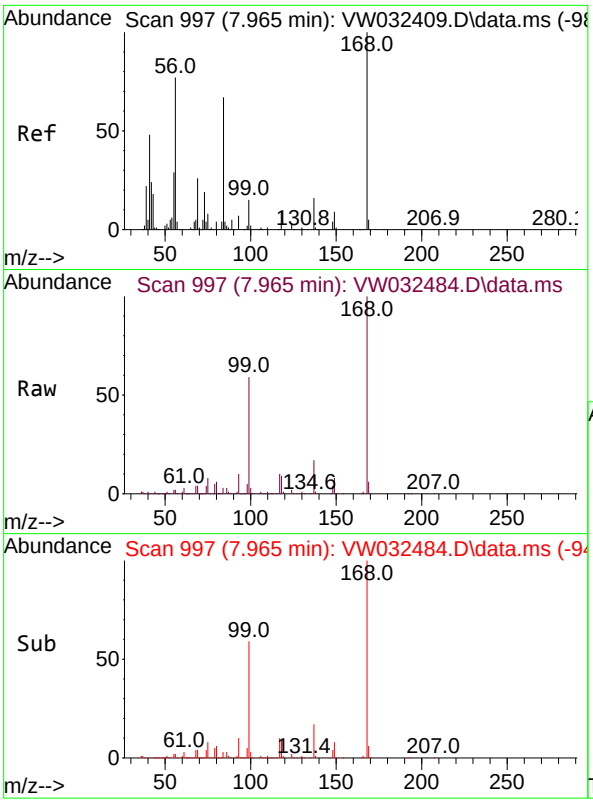
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Time: Nov 19 00:29:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



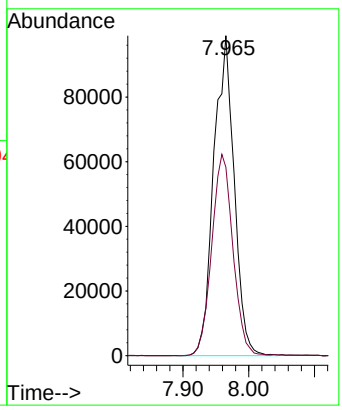


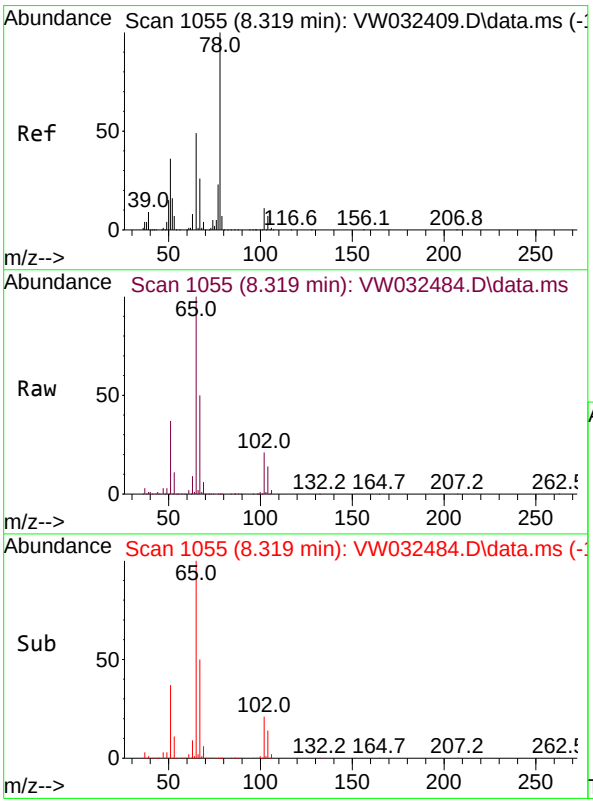
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Tgt Ion:168 Resp: 212864

Ion	Ratio	Lower	Upper
168	100		
99	58.9	45.4	68.2

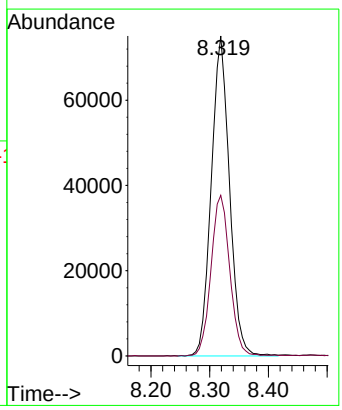


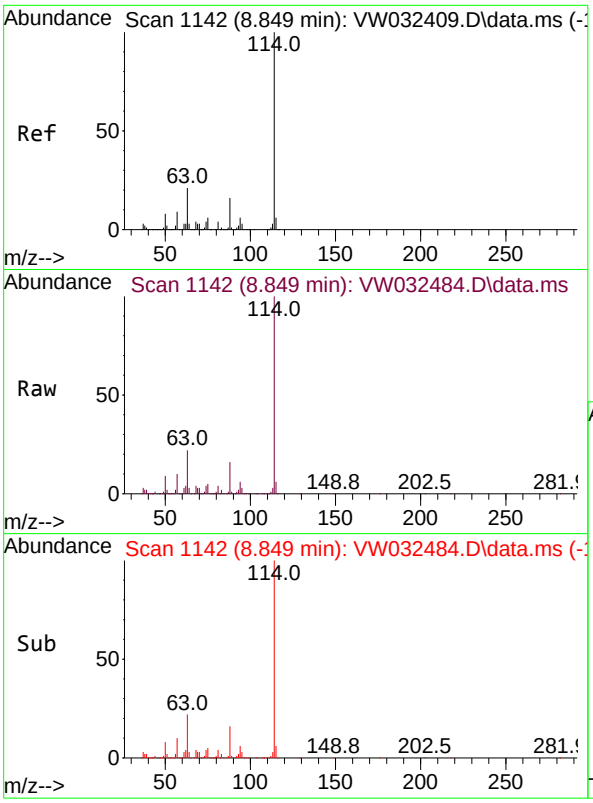


#33
1,2-Dichloroethane-d4
Concen: 58.747 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 65 Resp: 161220

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.8



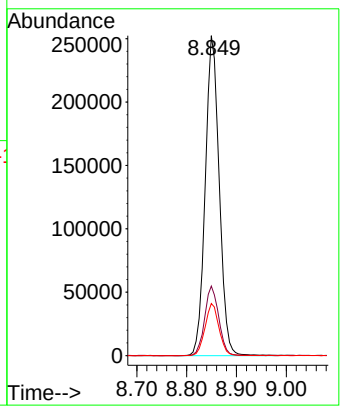


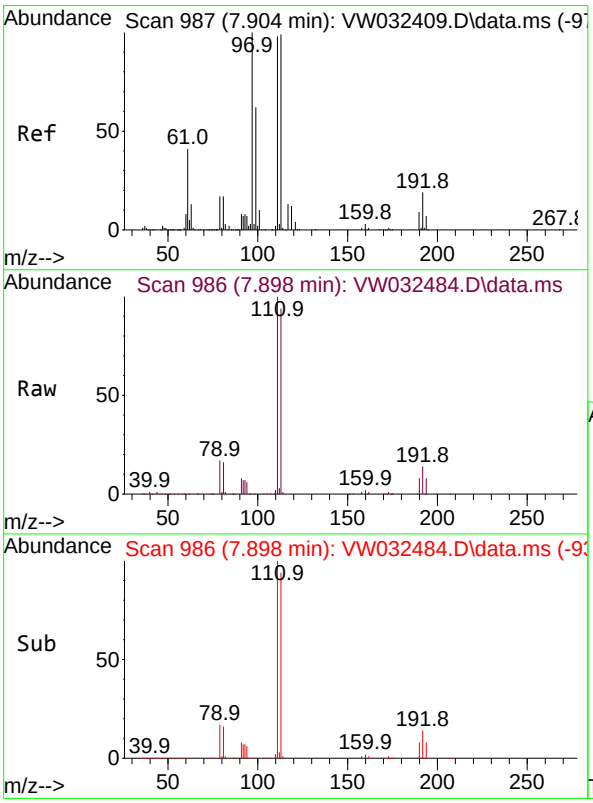
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Tgt Ion:114 Resp: 490545

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.3	0.0	32.6

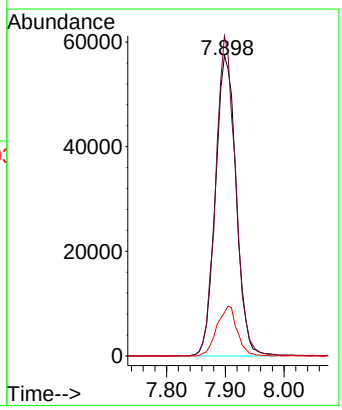


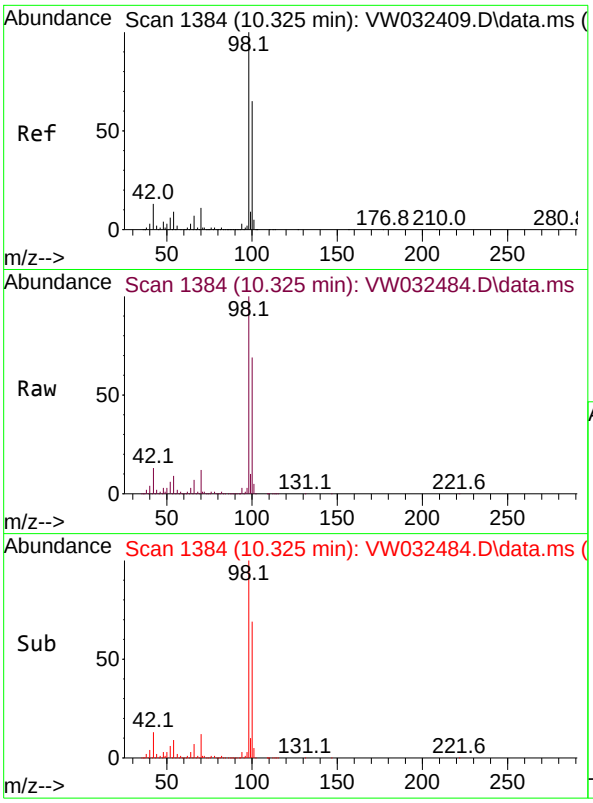


#35
Dibromofluoromethane
Concen: 47.990 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion:113 Resp: 140948

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	16.1	13.4	20.2



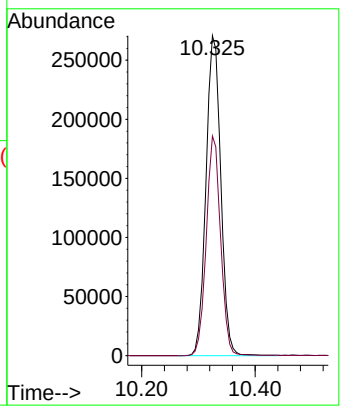


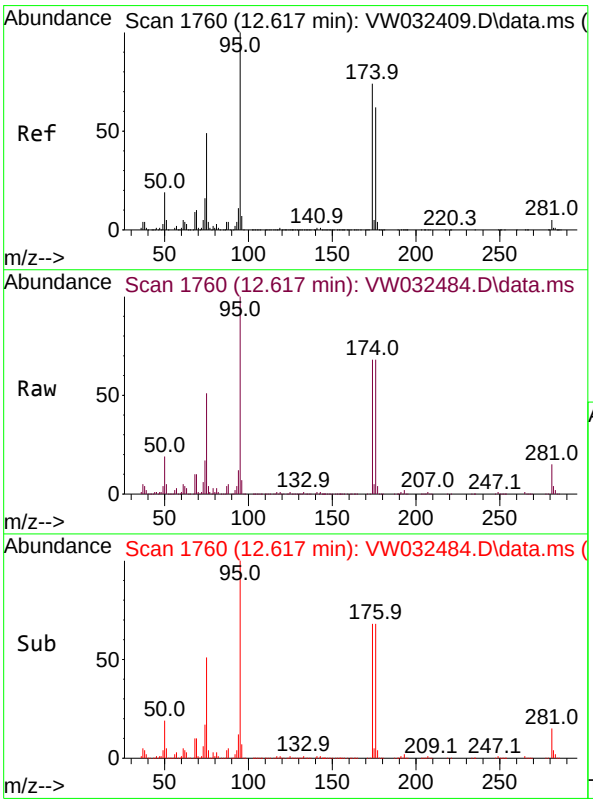
#50
Toluene-d8
Concen: 43.603 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Tgt Ion: 98 Resp: 491285

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

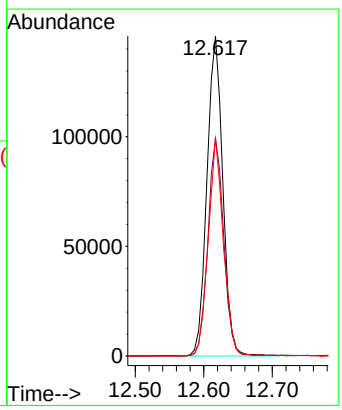




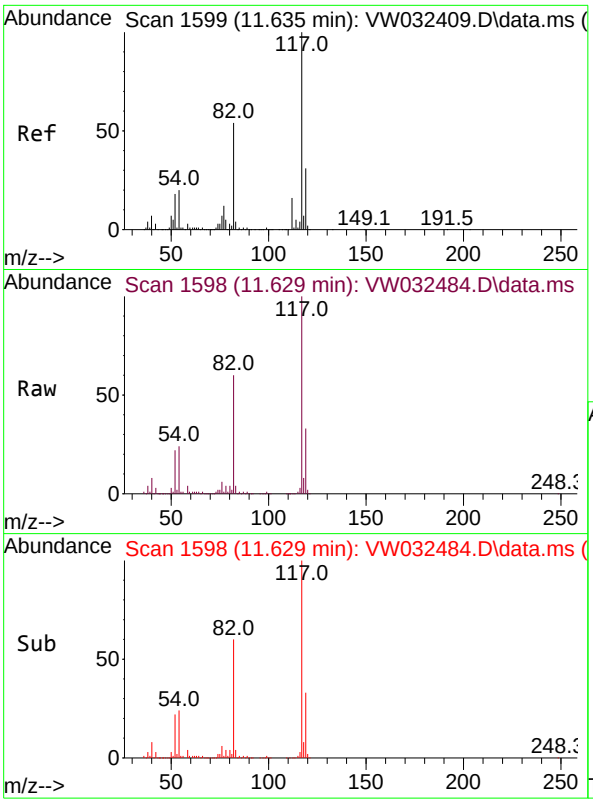
#62
4-Bromofluorobenzene
Concen: 55.040 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion: 95 Resp: 234272

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	135.4
176	65.3	0.0	131.8



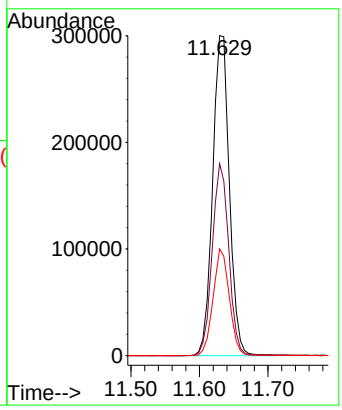
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

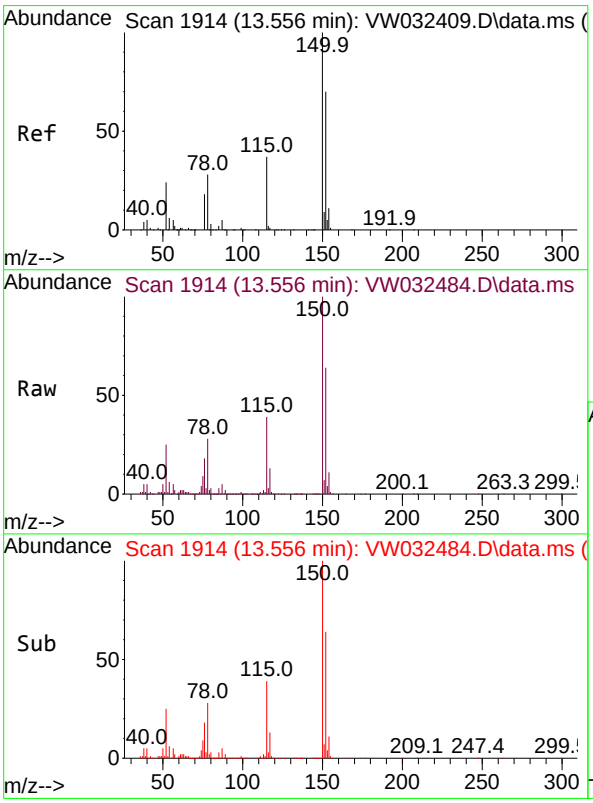


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion:117 Resp: 510548

Ion	Ratio	Lower	Upper
117	100		
82	60.0	43.0	64.4
119	33.3	25.0	37.6

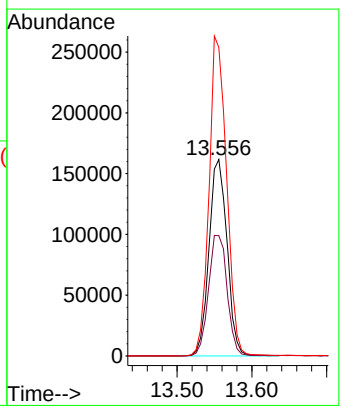




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032484.D
Acq: 18 Nov 2025 16:14

Tgt Ion:152 Resp: 271829

Ion	Ratio	Lower	Upper
152	100		
115	63.2	32.8	98.3
150	158.0	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032484.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	493	503	515	rBV4	17587	64055	3.79%	0.721%
2	5.960	659	668	676	rBV6	6641	23269	1.38%	0.262%
3	7.173	857	867	877	rBV	11143	38946	2.30%	0.438%
4	7.898	970	986	991	rBV2	184422	468704	27.72%	5.276%
5	7.965	991	997	1008	rVB2	291982	669504	39.59%	7.536%
6	8.319	1046	1055	1066	rBV	202399	446388	26.40%	5.025%
7	8.849	1132	1142	1152	rBV	592591	1163089	68.78%	13.092%
8	10.325	1376	1384	1393	rBV	735668	1316316	77.84%	14.817%
9	11.629	1589	1598	1608	rBV	961285	1610457	95.23%	18.128%
10	12.617	1747	1760	1770	rBV2	723493	1322741	78.22%	14.889%
11	13.556	1907	1914	1925	rVB	1019720	1691073	100.00%	19.035%
12	14.062	1991	1997	2002	rBV2	41948	69410	4.10%	0.781%

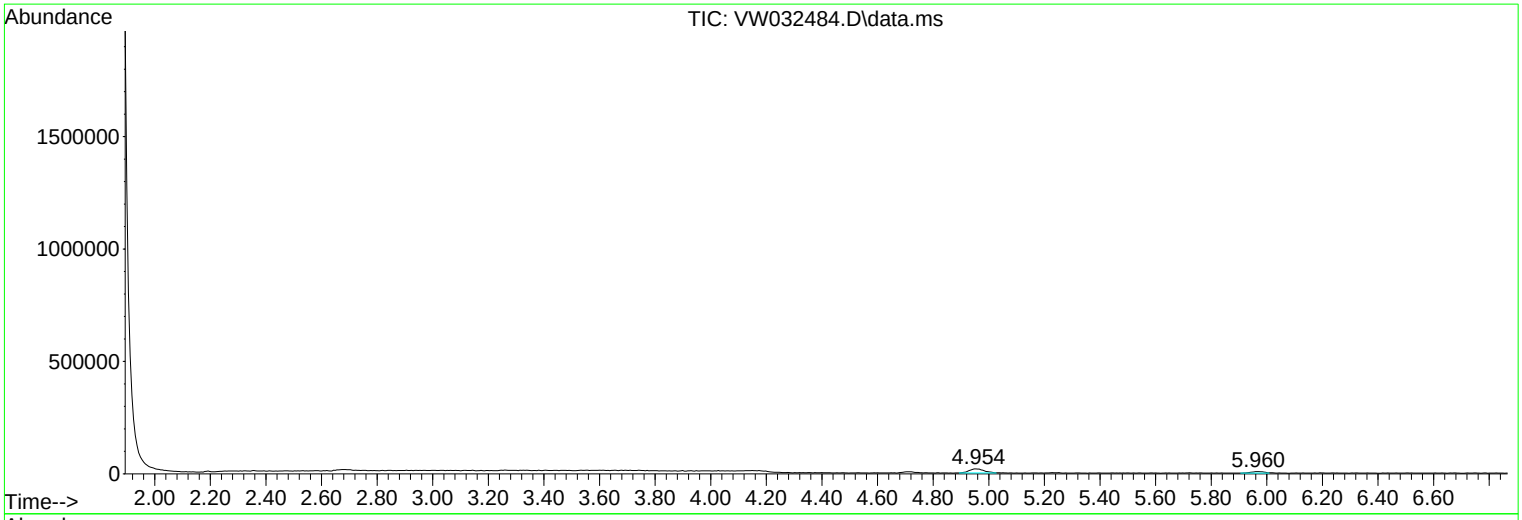
Sum of corrected areas: 8883952

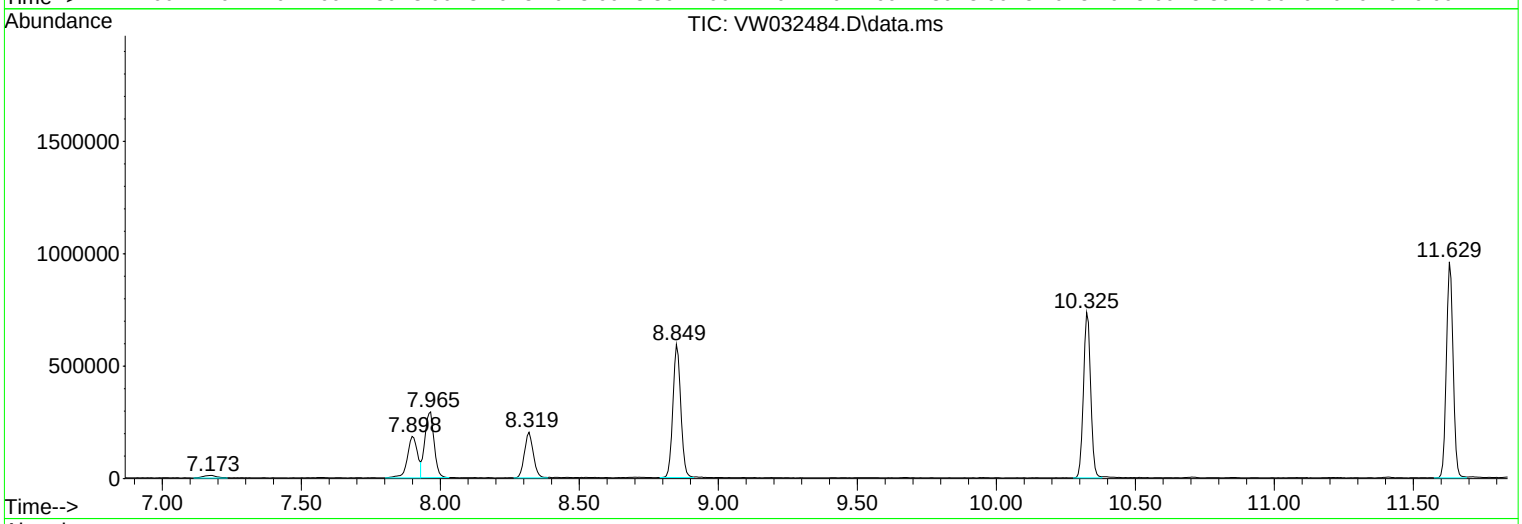
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

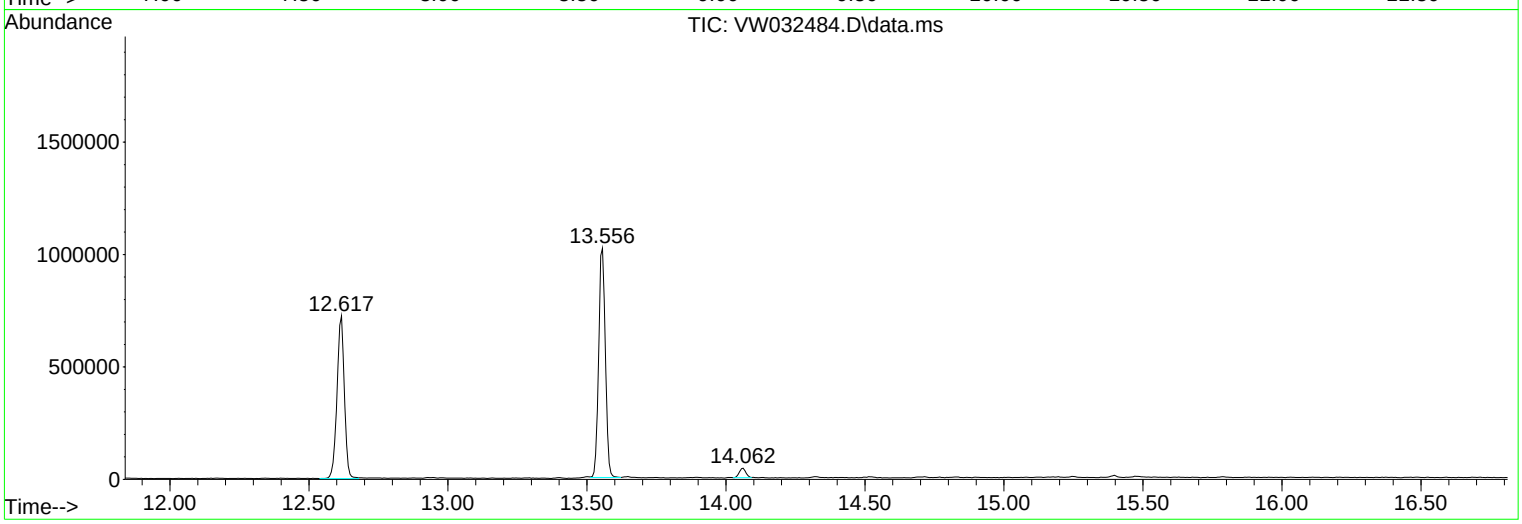
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032484.D
Acq On : 18 Nov 2025 16:14
Operator : SY/MD
Sample : Q3649-09
Misc : 4.79g/5mL/MSVOA_W/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Time: Nov 19 00:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	212726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	511741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	533709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	261053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177417	64.691	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 129.380%			
35) Dibromofluoromethane	7.898	113	160106	52.255	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.520%			
50) Toluene-d8	10.325	98	557281	47.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 94.820%			
62) 4-Bromofluorobenzene	12.617	95	231076	52.041	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.080%			

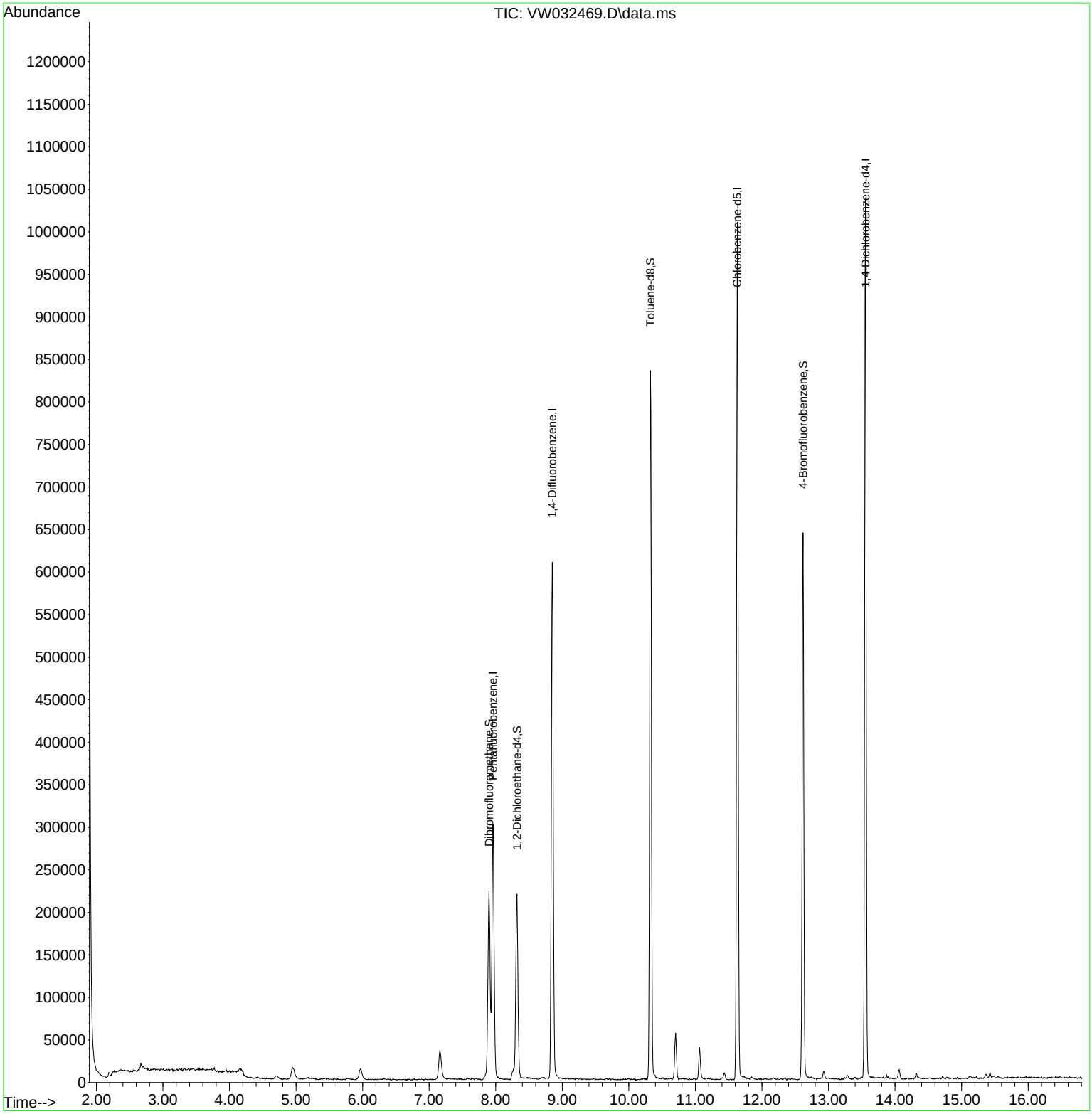
Target Compounds Qvalue

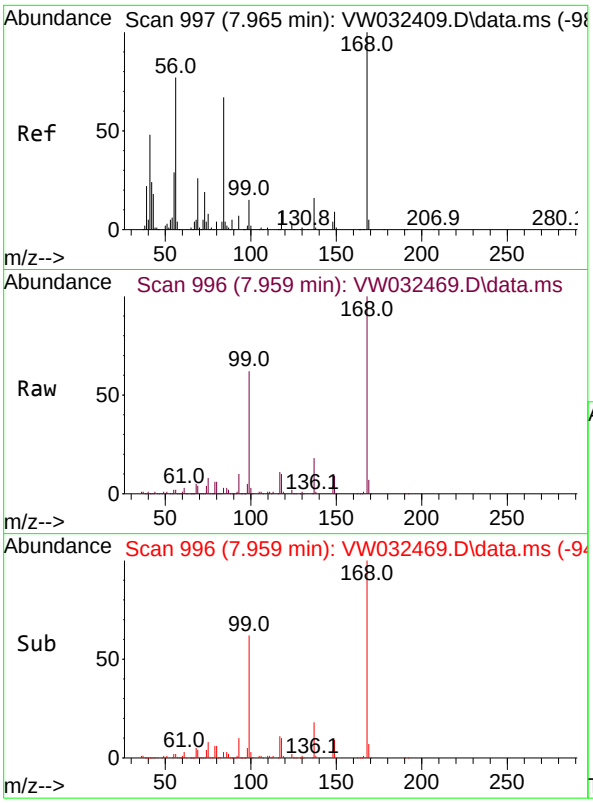
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Time: Nov 19 00:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



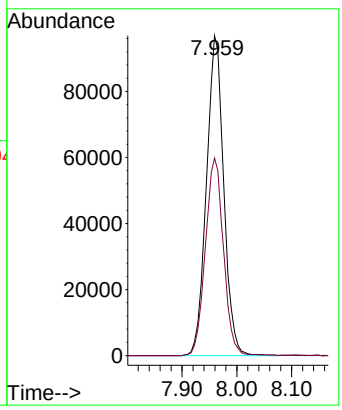


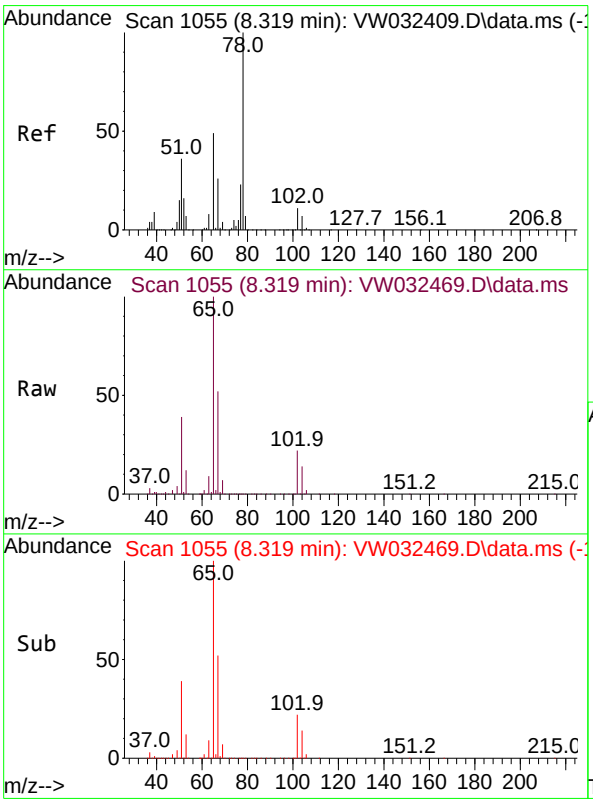
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:168 Resp: 212726

Ion	Ratio	Lower	Upper
168	100		
99	61.7	45.4	68.2

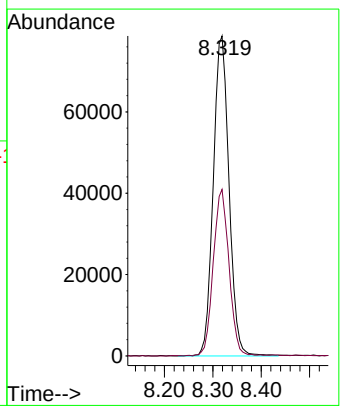


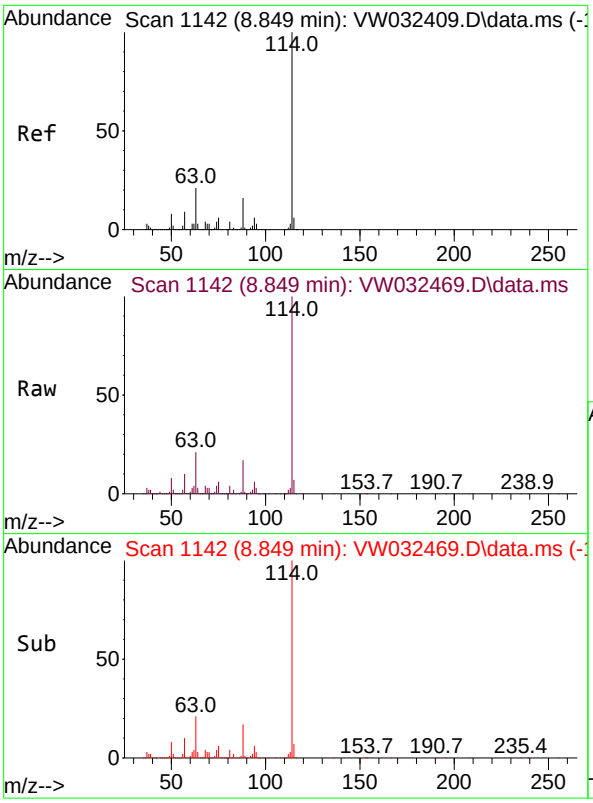


#33
1,2-Dichloroethane-d4
Concen: 64.691 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 65 Resp: 177417

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.8



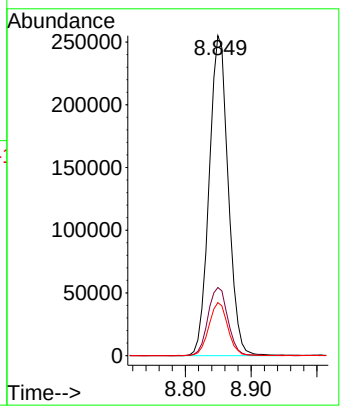


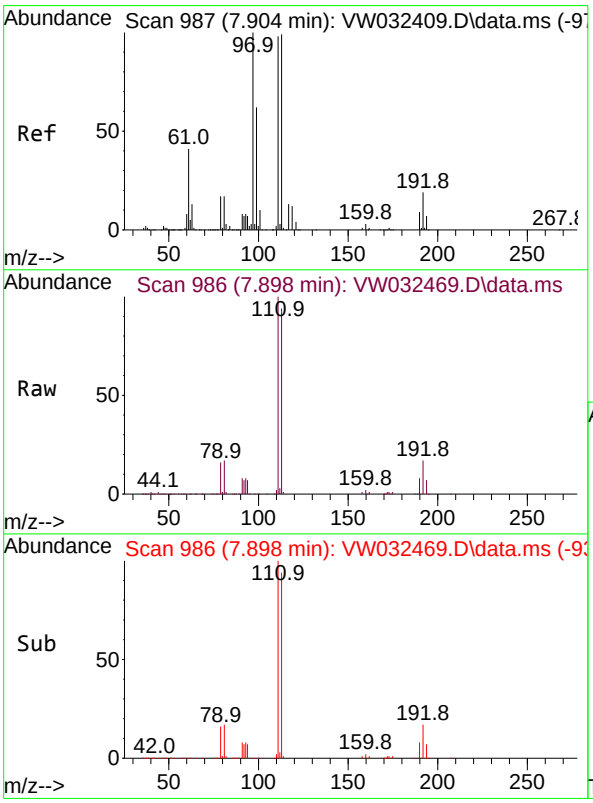
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:114 Resp: 511741

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	16.6	0.0	32.6

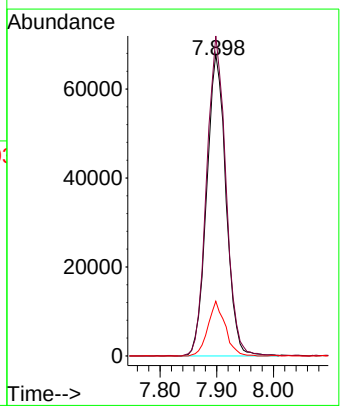


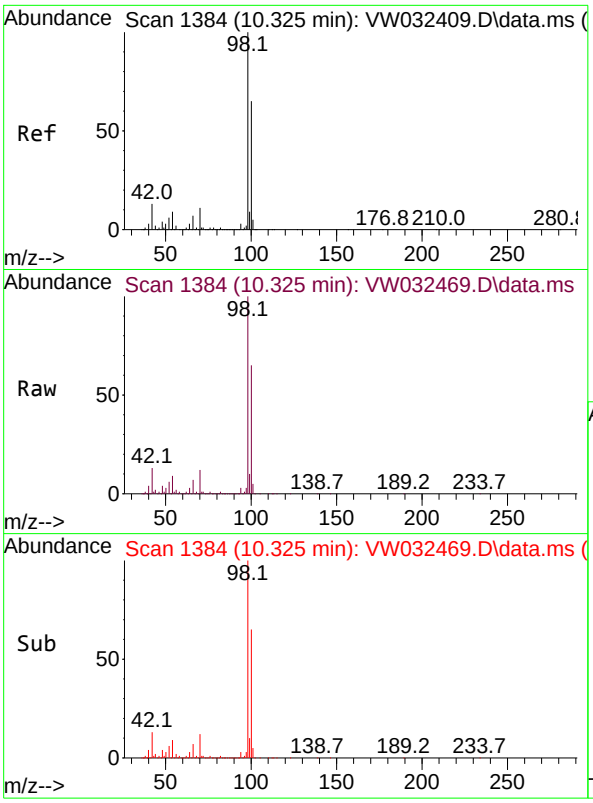


#35
Dibromofluoromethane
Concen: 52.255 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:113 Resp: 160106

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.1	124.7
192	16.2	13.4	20.2



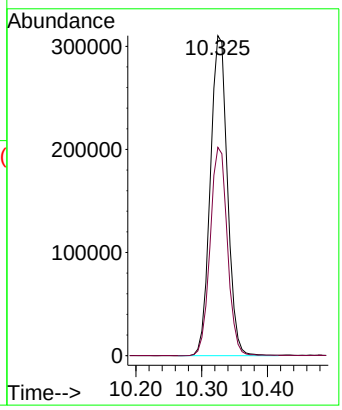


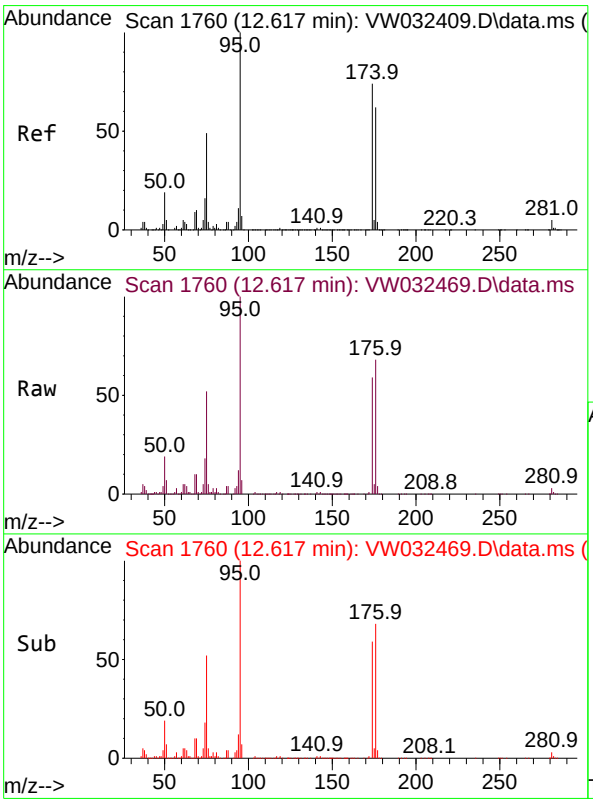
#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion: 98 Resp: 557281

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.3	79.9

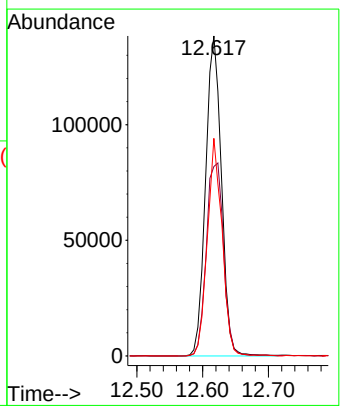


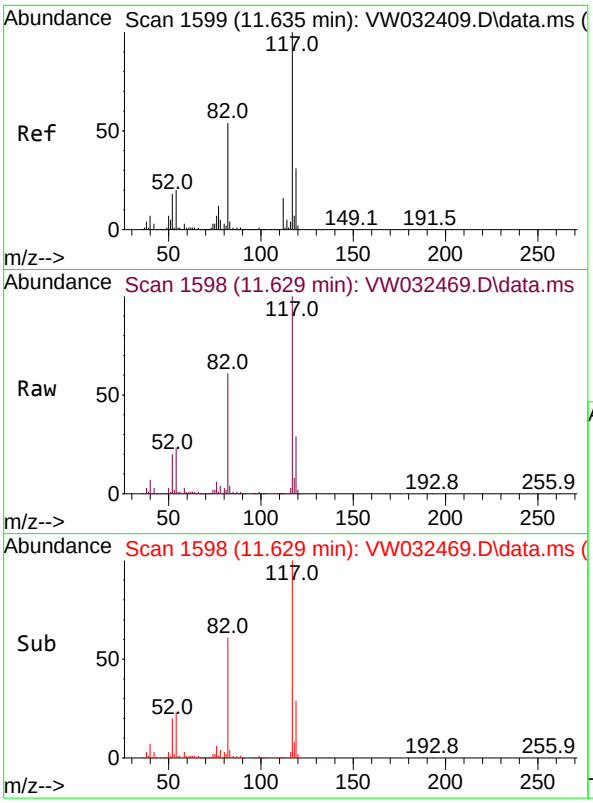


#62
4-Bromofluorobenzene
Concen: 52.041 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 95 Resp: 231076

Ion	Ratio	Lower	Upper
95	100		
174	65.9	0.0	135.4
176	63.2	0.0	131.8



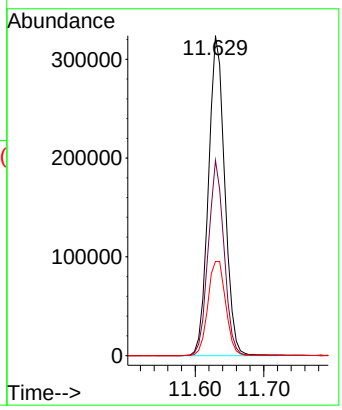


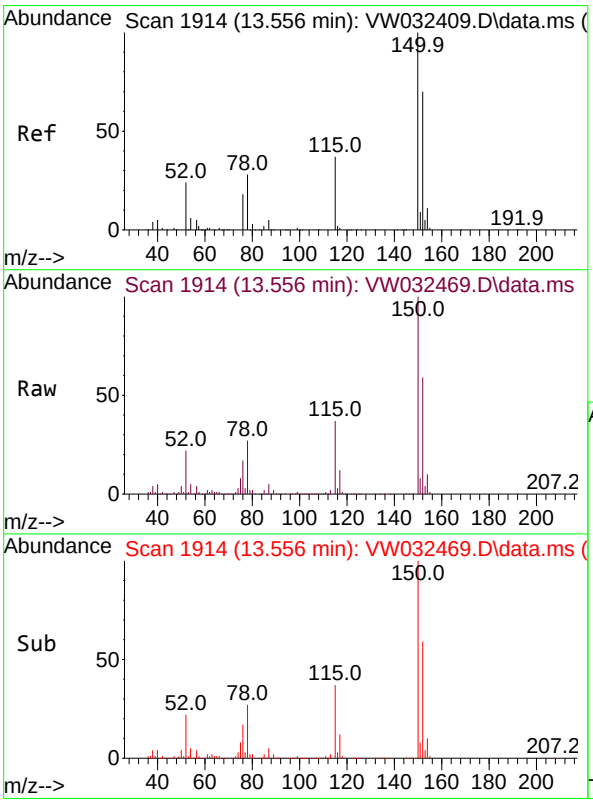
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:117 Resp: 533709

Ion	Ratio	Lower	Upper
117	100		
82	61.1	43.0	64.4
119	29.4	25.0	37.6

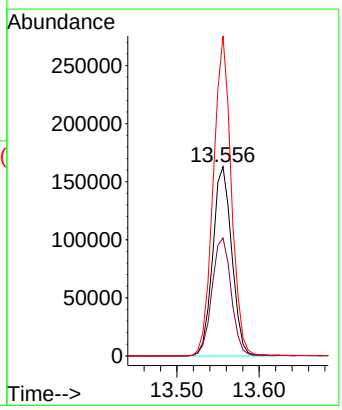




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:152 Resp: 261053

Ion	Ratio	Lower	Upper
152	100		
115	63.2	32.8	98.3
150	161.2	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	369	373	391	rVB4	11071	43701	2.60%	0.467%
2	4.948	492	502	512	rBV2	13471	48057	2.86%	0.514%
3	5.966	660	669	679	rBV3	12263	38239	2.28%	0.409%
4	7.161	853	865	881	rBV	33826	103208	6.14%	1.104%
5	7.898	967	986	991	rBV	222246	544155	32.39%	5.821%
6	7.959	991	996	1008	rVB	297872	664220	39.54%	7.105%
7	8.264	1038	1046	1047	rBV2	12295	22590	1.34%	0.242%
8	8.319	1047	1055	1066	rVB	216925	495353	29.49%	5.299%
9	8.849	1132	1142	1159	rBV	607114	1235417	73.54%	13.215%
10	10.325	1376	1384	1399	rBV	833056	1503059	89.48%	16.078%
11	10.703	1437	1446	1453	rVB2	54698	103756	6.18%	1.110%
12	11.062	1499	1505	1514	rBV2	37248	67476	4.02%	0.722%
13	11.434	1557	1566	1575	rVB4	7820	18193	1.08%	0.195%
14	11.629	1590	1598	1608	rBV	1007973	1679831	100.00%	17.969%
15	12.617	1749	1760	1771	rBV2	643060	1098098	65.37%	11.746%
16	12.928	1803	1811	1818	rBV5	8586	17157	1.02%	0.184%
17	13.556	1906	1914	1924	rBV	1033242	1643799	97.86%	17.583%
18	14.062	1990	1997	2004	rVB	11268	22417	1.33%	0.240%

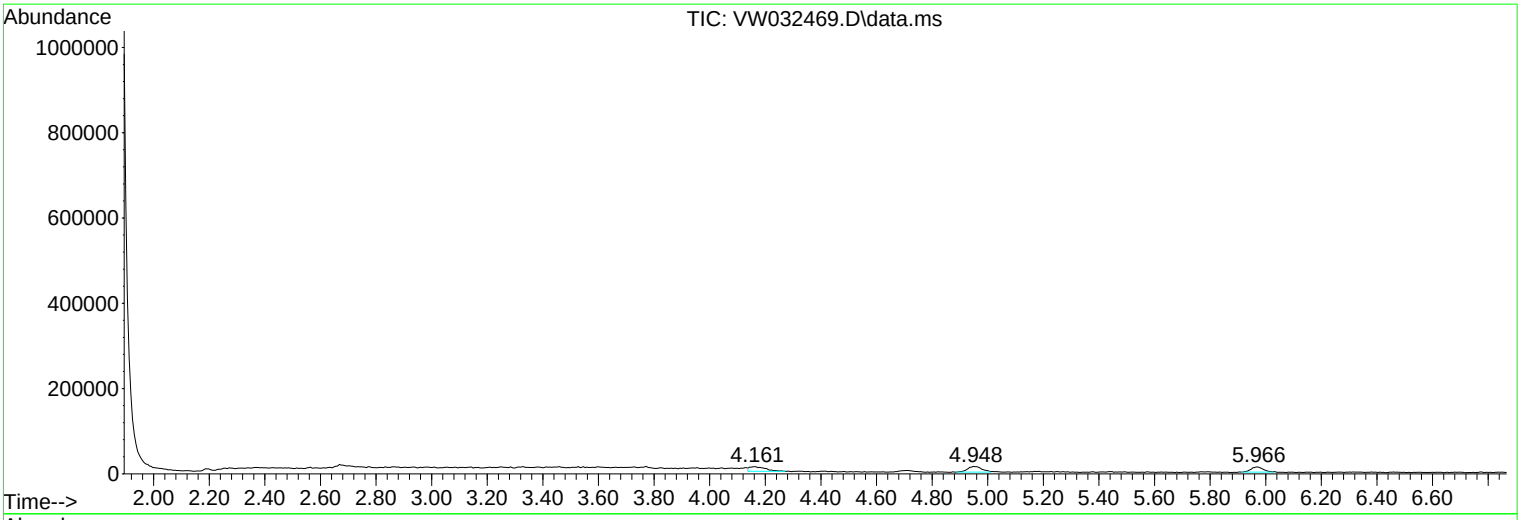
Sum of corrected areas: 9348726

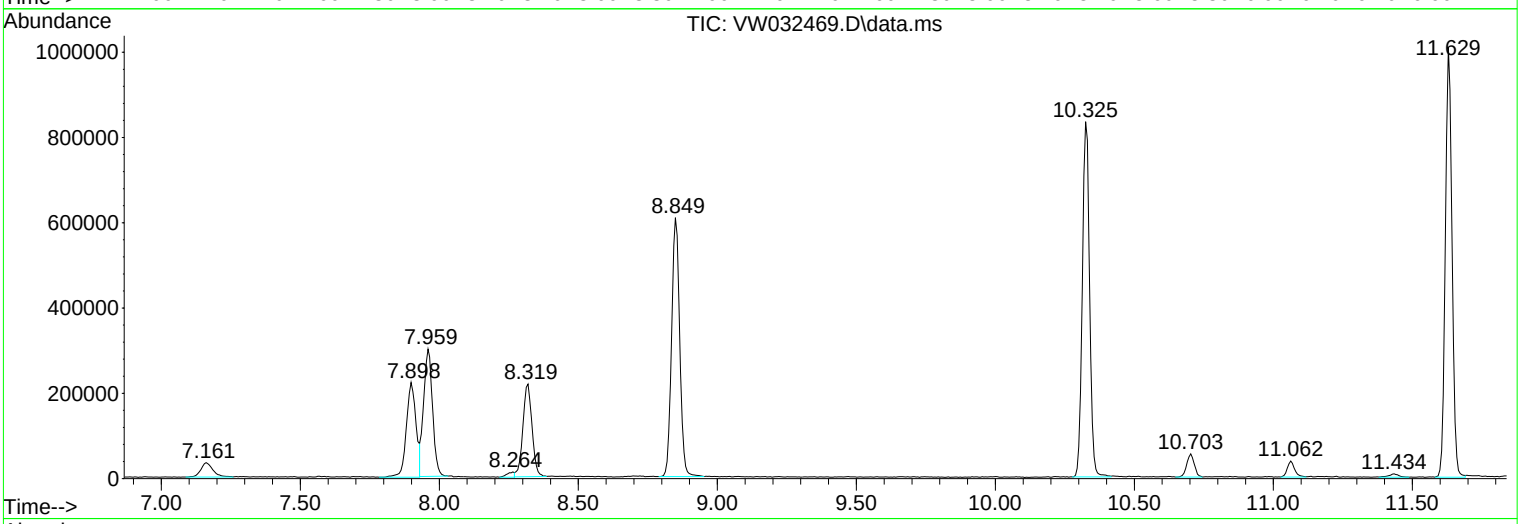
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

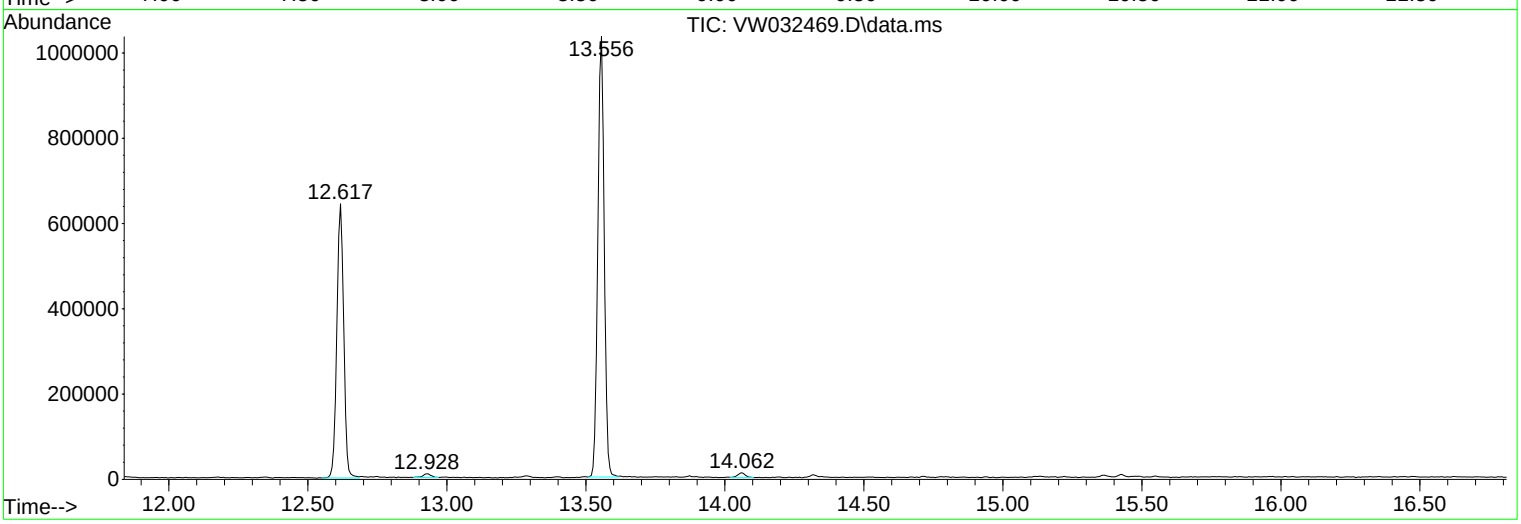
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Quant Time: Nov 20 01:15:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	218109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	508852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	541801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	260882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	170243	60.543	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 121.080%			
35) Dibromofluoromethane	7.898	113	157341	51.644	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.280%			
50) Toluene-d8	10.325	98	531813	45.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.000%			
62) 4-Bromofluorobenzene	12.617	95	240405	54.449	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.900%			

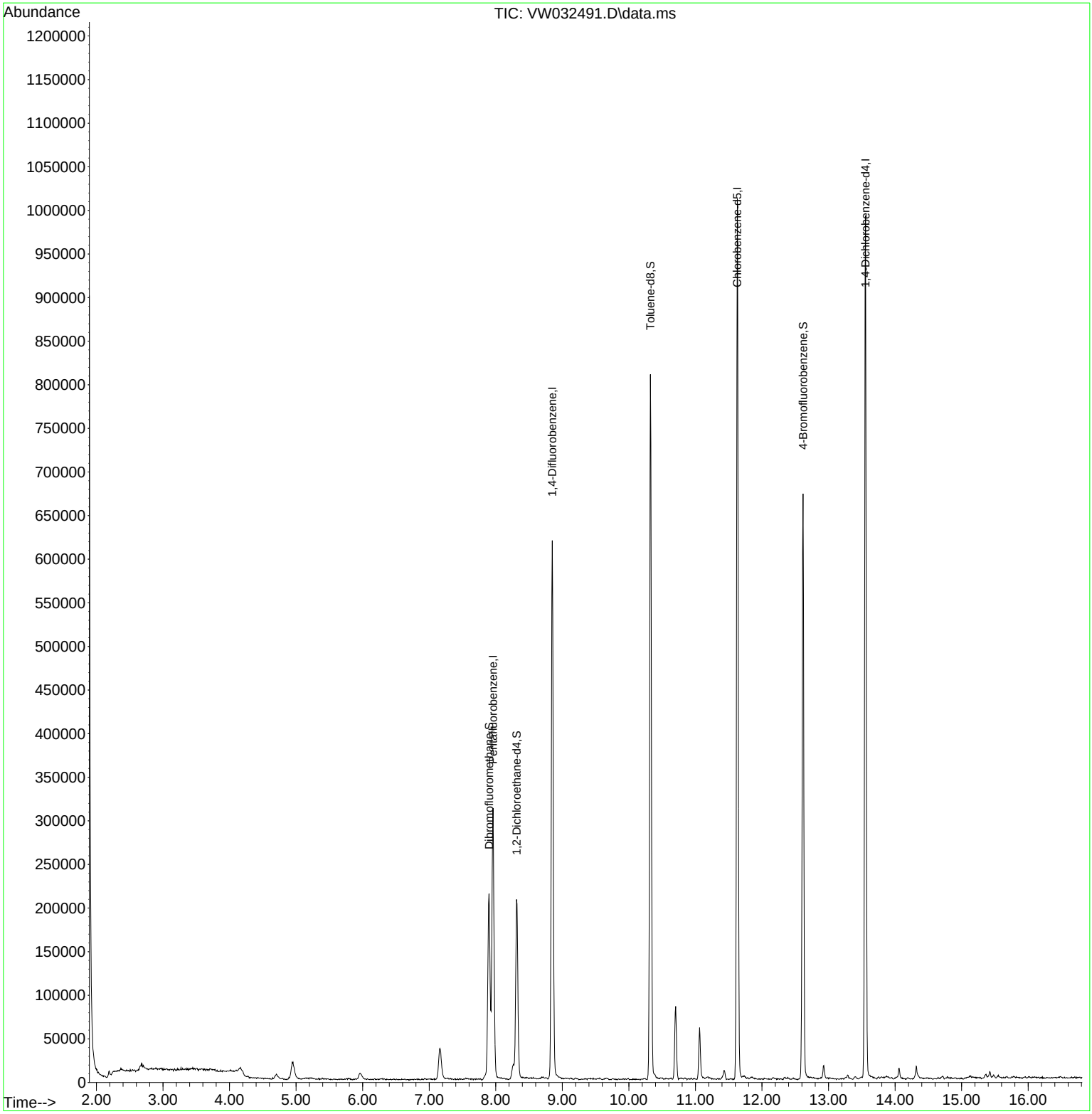
Target Compounds Qvalue

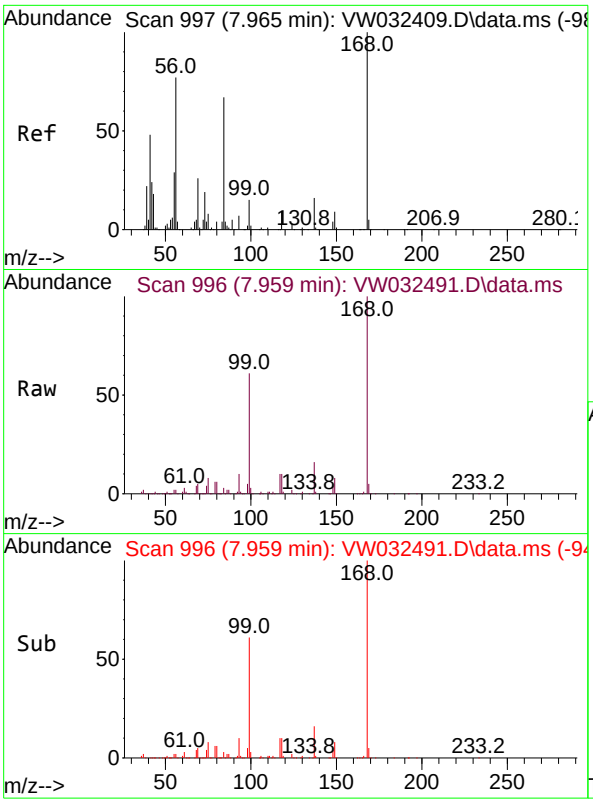
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Quant Time: Nov 20 01:15:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



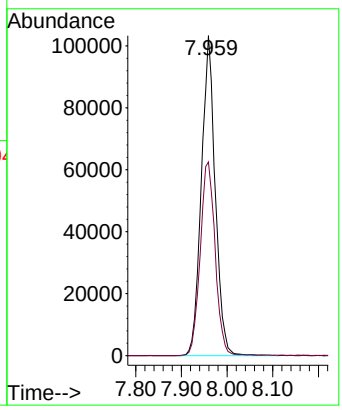


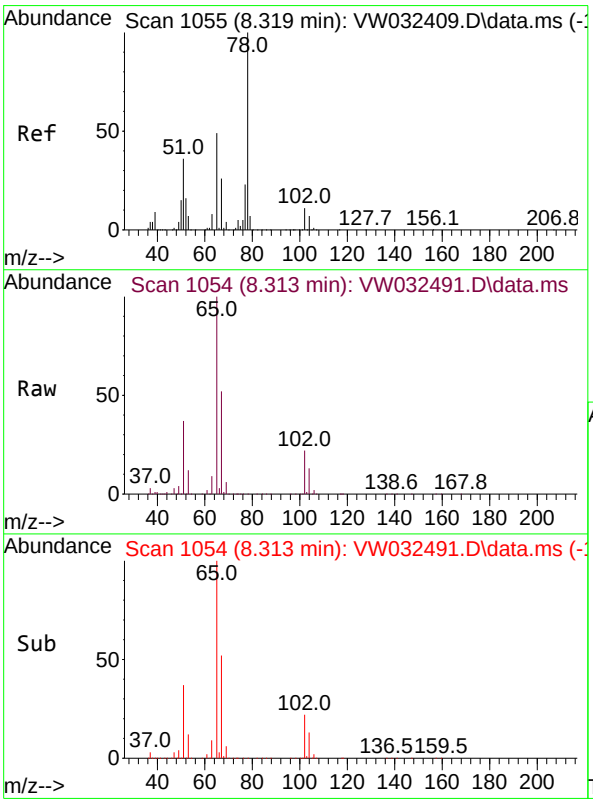
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Tgt Ion:168 Resp: 218109

Ion	Ratio	Lower	Upper
168	100		
99	60.5	45.4	68.2

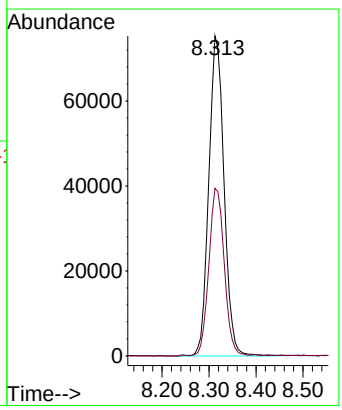


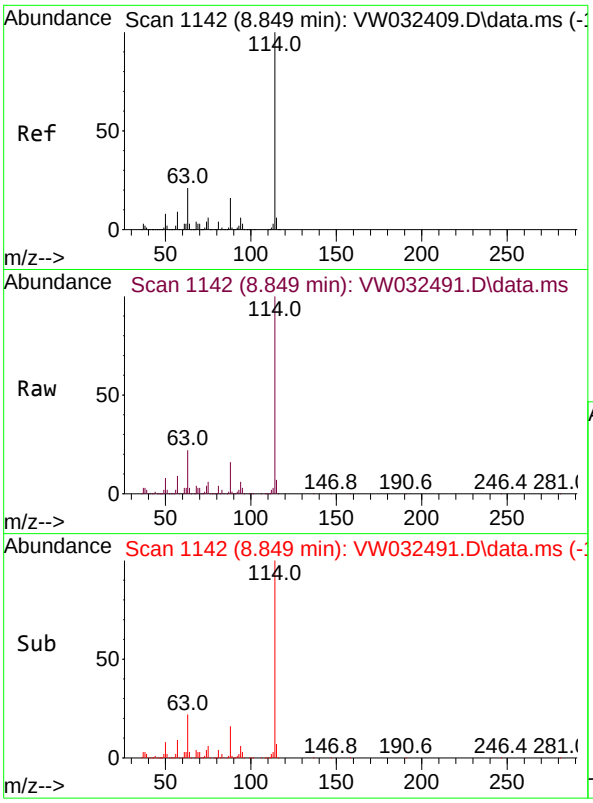


#33
1,2-Dichloroethane-d4
Concen: 60.543 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Tgt Ion: 65 Resp: 170243

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



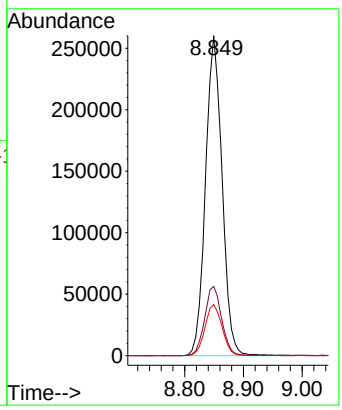


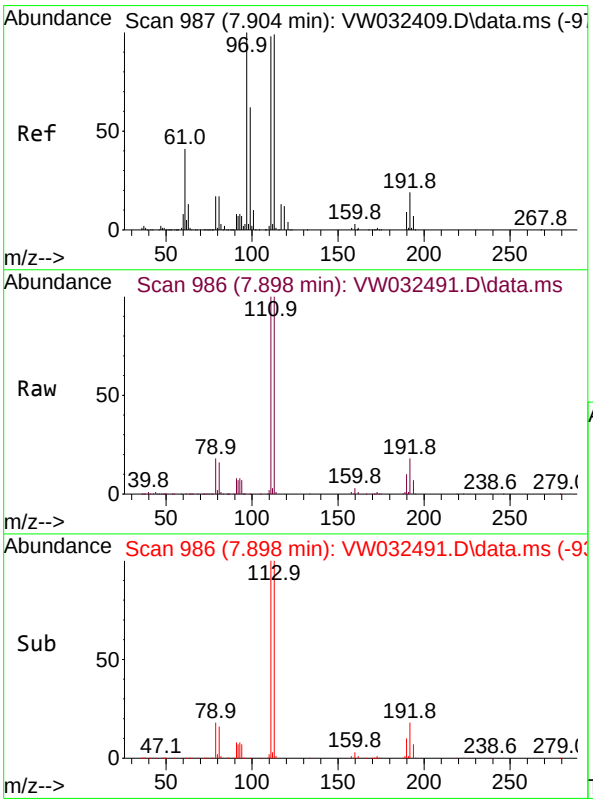
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Tgt Ion:114 Resp: 508852

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	16.0	0.0	32.6

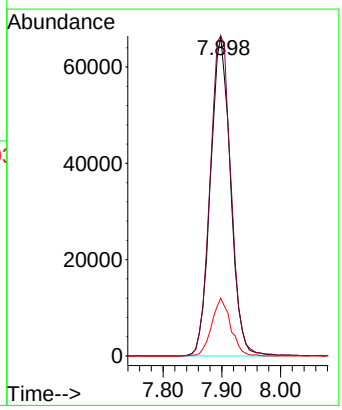


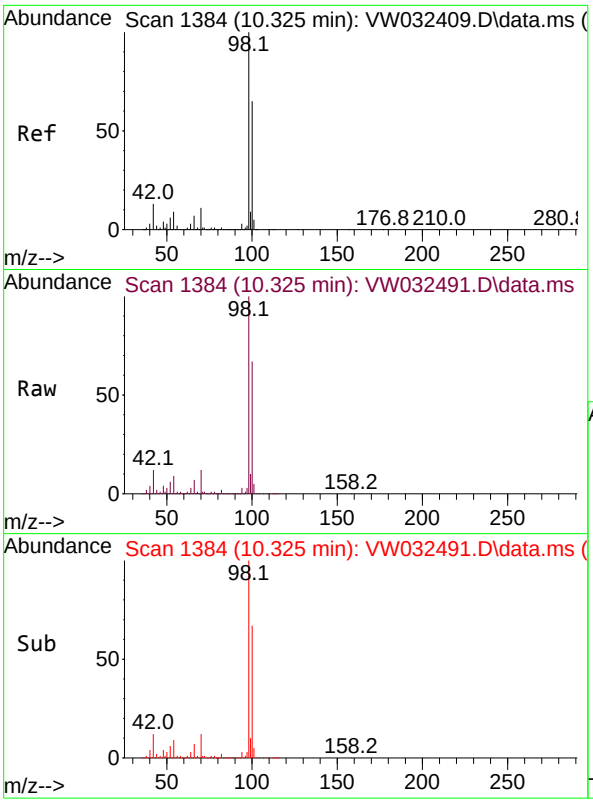


#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Tgt Ion:113 Resp: 157341

Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.1	124.7
192	17.1	13.4	20.2



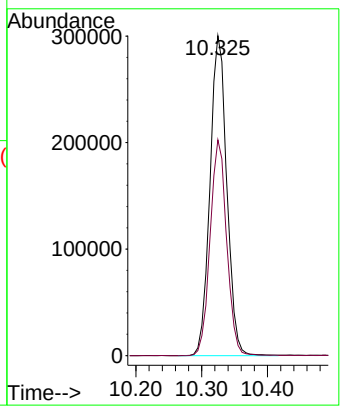


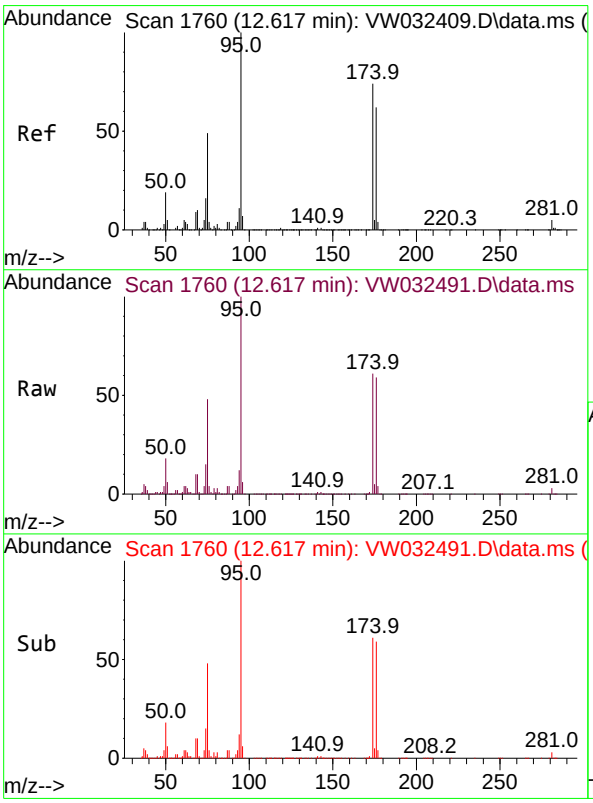
#50
Toluene-d8
Concen: 45.501 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Tgt Ion: 98 Resp: 531813

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9

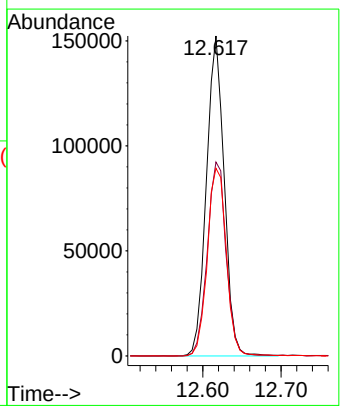


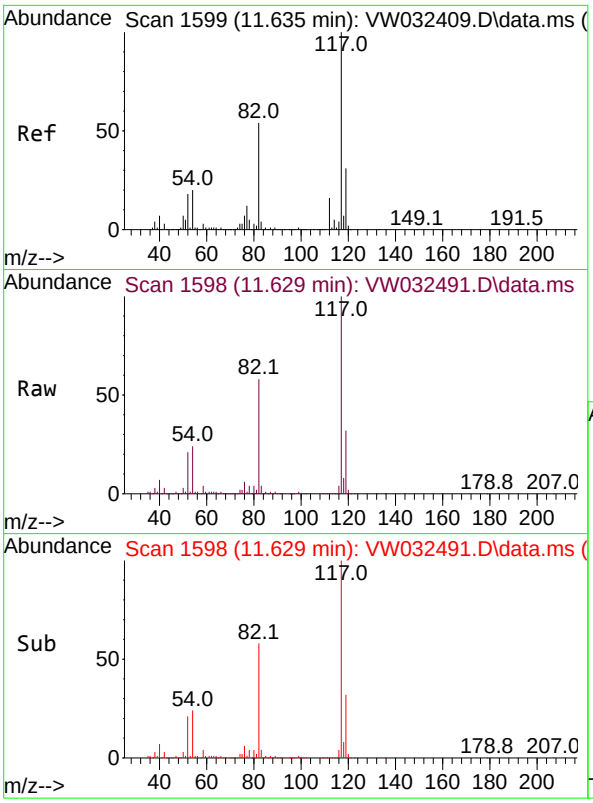


#62
4-Bromofluorobenzene
Concen: 54.449 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Tgt Ion: 95 Resp: 240405

Ion	Ratio	Lower	Upper
95	100		
174	64.1	0.0	135.4
176	62.7	0.0	131.8



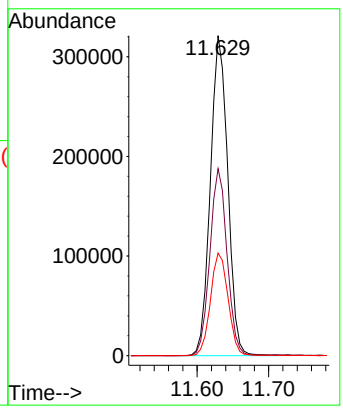


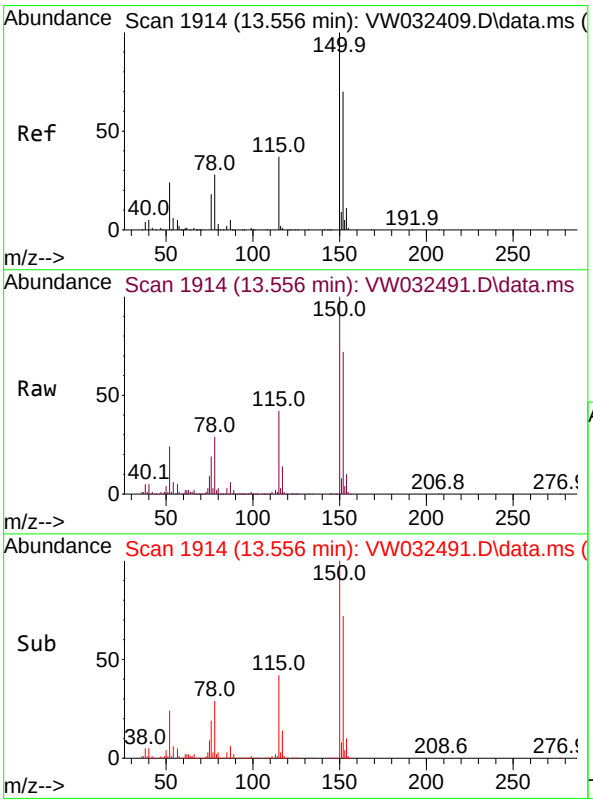
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Tgt Ion:117 Resp: 541801

Ion	Ratio	Lower	Upper
117	100		
82	58.4	43.0	64.4
119	32.0	25.0	37.6

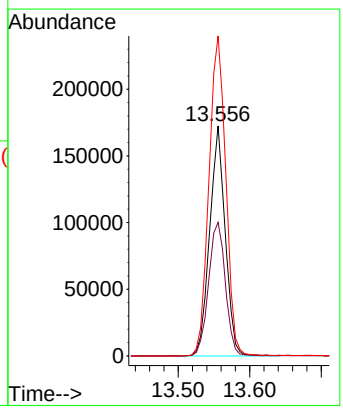




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032491.D
Acq: 19 Nov 2025 10:36

Tgt Ion:152 Resp: 260882

Ion	Ratio	Lower	Upper
152	100		
115	62.6	32.8	98.3
150	150.5	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032491.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	514	rVB2	18365	59377	3.49%	0.631%
2	5.960	663	668	678	rVB9	6332	18568	1.09%	0.197%
3	7.161	855	865	878	rBV2	35593	111167	6.54%	1.182%
4	7.898	969	986	991	rBV	213556	542405	31.92%	5.766%
5	7.959	991	996	1009	rVB	309488	674109	39.67%	7.166%
6	8.264	1038	1046	1047	rBV2	16827	32443	1.91%	0.345%
7	8.313	1047	1054	1067	rVB	204882	474348	27.92%	5.042%
8	8.849	1131	1142	1158	rBV	617581	1240044	72.98%	13.181%
9	10.325	1376	1384	1401	rBV	808698	1452429	85.48%	15.439%
10	10.703	1438	1446	1453	rVB	83745	156109	9.19%	1.659%
11	11.062	1499	1505	1513	rBV2	59277	105261	6.19%	1.119%
12	11.428	1556	1565	1571	rVB4	10446	23946	1.41%	0.255%
13	11.629	1590	1598	1609	rBV	1009897	1699131	100.00%	18.061%
14	12.617	1751	1760	1771	rBV	671078	1129752	66.49%	12.009%
15	12.928	1805	1811	1817	rBV4	14579	24078	1.42%	0.256%
16	13.556	1906	1914	1924	rBV	988308	1614460	95.02%	17.161%
17	14.056	1990	1996	2003	rVB	11568	20206	1.19%	0.215%
18	14.318	2032	2039	2048	rBV5	14090	29788	1.75%	0.317%

Sum of corrected areas: 9407621

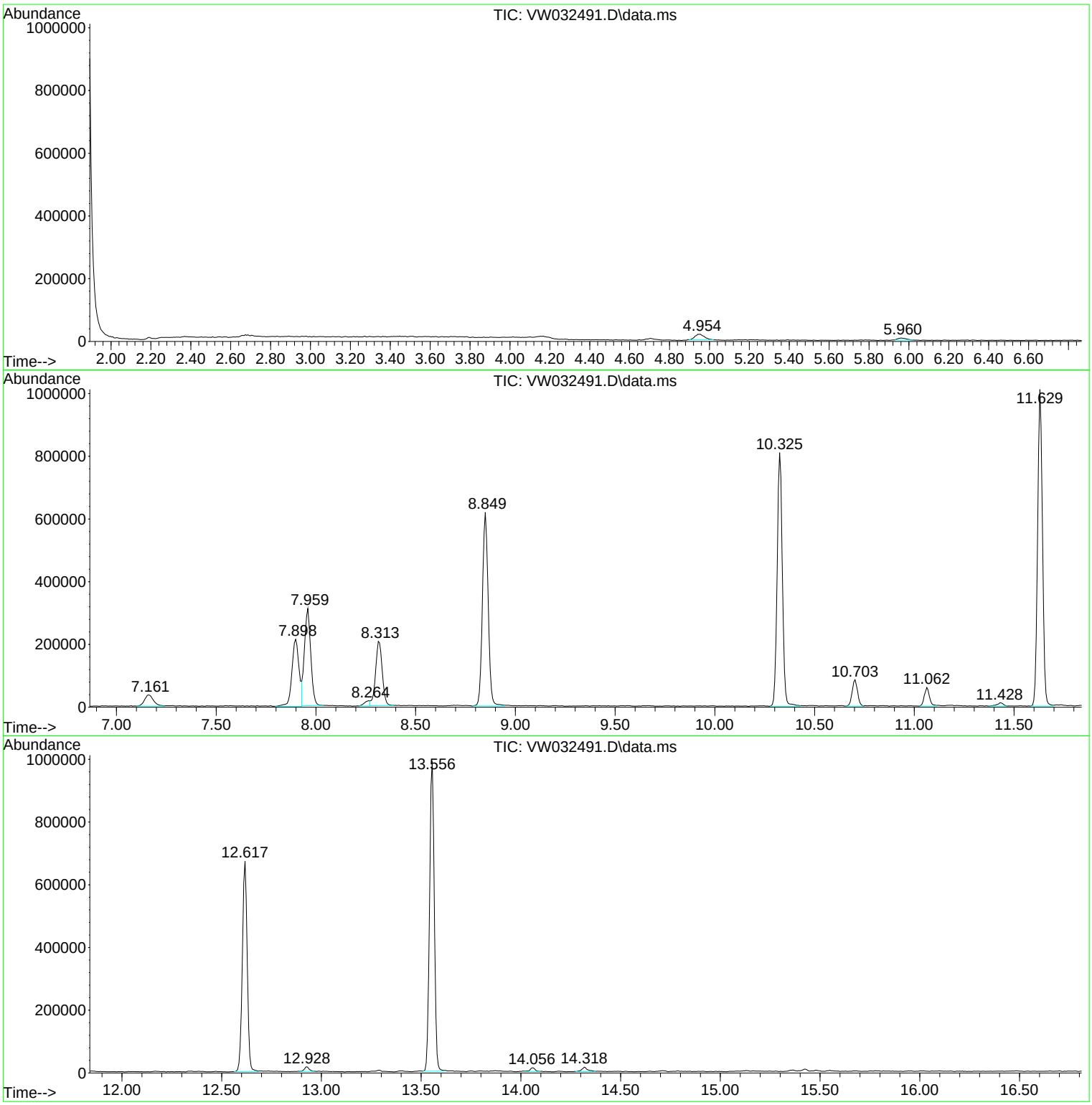
Sample Results: **VW032491.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032491.D
Acq On : 19 Nov 2025 10:36
Operator : SY/MD
Sample : VW1119SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	368383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	685400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	608119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	294055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	255196	53.733	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.460%			
35) Dibromofluoromethane	7.898	113	213451	52.015	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.020%			
50) Toluene-d8	10.325	98	818872	52.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.617	95	307374	51.685	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	38488	20.593	ug/l	99
3) Chloromethane	2.253	50	71618	22.355	ug/l	93
4) Vinyl Chloride	2.405	62	89842	22.221	ug/l	99
5) Bromomethane	2.820	94	58280	21.549	ug/l	97
6) Chloroethane	2.960	64	56196	21.244	ug/l	97
7) Trichlorofluoromethane	3.301	101	58389	18.419	ug/l	94
8) Diethyl Ether	3.716	74	55714	21.497	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	75306	21.808	ug/l	98
10) Methyl Iodide	4.307	142	119544	21.494	ug/l	98
11) Tert butyl alcohol	5.210	59	48334	117.694	ug/l	97
12) 1,1-Dichloroethene	4.076	96	86906	21.948	ug/l	93
13) Acrolein	3.923	56	64287	93.300	ug/l	99
14) Allyl chloride	4.704	41	159169	20.903	ug/l	97
15) Acrylonitrile	5.399	53	160342	107.002	ug/l	99
16) Acetone	4.155	43	156966	110.471	ug/l	97
17) Carbon Disulfide	4.417	76	245893	21.011	ug/l	99
18) Methyl Acetate	4.710	43	70931	20.159	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	173277	20.760	ug/l	98
20) Methylene Chloride	4.954	84	122854	24.177	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	98918	21.848	ug/l	96
22) Diisopropyl ether	6.337	45	341073	22.000	ug/l	99
23) Vinyl Acetate	6.283	43	1141803	107.495	ug/l	98
24) 1,1-Dichloroethane	6.240	63	188427	22.184	ug/l	99
25) 2-Butanone	7.191	43	215588	102.988	ug/l	99
26) 2,2-Dichloropropane	7.179	77	103861	21.940	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	114228	21.115	ug/l	94
28) Bromochloromethane	7.532	49	91122	22.698	ug/l	98
29) Tetrahydrofuran	7.551	42	140459	105.716	ug/l	99
30) Chloroform	7.691	83	187382	22.535	ug/l	96
31) Cyclohexane	7.965	56	171770	21.862	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	129040	21.723	ug/l	97
36) 1,1-Dichloropropene	8.099	75	131104	21.683	ug/l	99
37) Ethyl Acetate	7.270	43	95031	21.137	ug/l	99
38) Carbon Tetrachloride	8.081	117	116247	21.638	ug/l	98
39) Methylcyclohexane	9.343	83	161283	20.591	ug/l	98
40) Benzene	8.331	78	425541	21.855	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	52311	21.180	ug/l		97
42) 1,2-Dichloroethane	8.410	62	127207	22.242	ug/l		100
43) Isopropyl Acetate	8.435	43	165173	20.748	ug/l		99
44) Trichloroethene	9.099	130	96297	21.254	ug/l		97
45) 1,2-Dichloropropane	9.373	63	107029	22.075	ug/l		100
46) Dibromomethane	9.465	93	62354	22.008	ug/l		100
47) Bromodichloromethane	9.648	83	140779	21.783	ug/l		98
48) Methyl methacrylate	9.441	41	73852	19.522	ug/l		94
49) 1,4-Dioxane	9.471	88	17446	439.555	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.209	43	477160	108.419	ug/l		98
52) Toluene	10.392	92	259957	21.614	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	136548	20.515	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	160370	20.835	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	82820	21.308	ug/l		92
56) Ethyl methacrylate	10.648	69	119127	19.976	ug/l		99
57) 1,3-Dichloropropane	10.934	76	150767	21.719	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	342033	107.697	ug/l		99
59) 2-Hexanone	10.971	43	328980	102.168	ug/l		98
60) Dibromochloromethane	11.129	129	90761	20.911	ug/l		99
61) 1,2-Dibromoethane	11.233	107	80832	21.353	ug/l		98
64) Tetrachloroethene	10.861	164	78315	21.747	ug/l		91
65) Chlorobenzene	11.654	112	283163	21.604	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	87522	21.576	ug/l		99
67) Ethyl Benzene	11.727	91	480261	21.176	ug/l		97
68) m/p-Xylenes	11.836	106	370819	43.548	ug/l		98
69) o-Xylene	12.166	106	174282	21.376	ug/l		96
70) Styrene	12.178	104	303516	21.640	ug/l		99
71) Bromoform	12.349	173	48193	20.058	ug/l	#	99
73) Isopropylbenzene	12.464	105	433479	20.072	ug/l		100
74) N-amyl acetate	12.269	43	148008	19.722	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	108325	21.135	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	78035m	19.354	ug/l		
77) Bromobenzene	12.745	156	108802	21.278	ug/l		99
78) n-propylbenzene	12.800	91	561613	21.354	ug/l		97
79) 2-Chlorotoluene	12.891	91	334404	20.828	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	361865	20.310	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	33360	18.951	ug/l		93
82) 4-Chlorotoluene	12.989	91	350145	20.968	ug/l		96
83) tert-Butylbenzene	13.202	119	308467	19.902	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	377306	20.820	ug/l		100
85) sec-Butylbenzene	13.379	105	461376	19.988	ug/l		100
86) p-Isopropyltoluene	13.495	119	385969	20.252	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	205508	21.198	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	206055	20.746	ug/l		97
89) n-Butylbenzene	13.818	91	376028	20.195	ug/l		98
90) Hexachloroethane	14.086	117	68760	20.010	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	188016	21.126	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	16916	19.159	ug/l		98
93) 1,2,4-Trichlorobenzene	15.122	180	113600	20.059	ug/l		98
94) Hexachlorobutadiene	15.226	225	47617	20.241	ug/l		97
95) Naphthalene	15.354	128	253885	17.977	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	102712	19.976	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

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

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

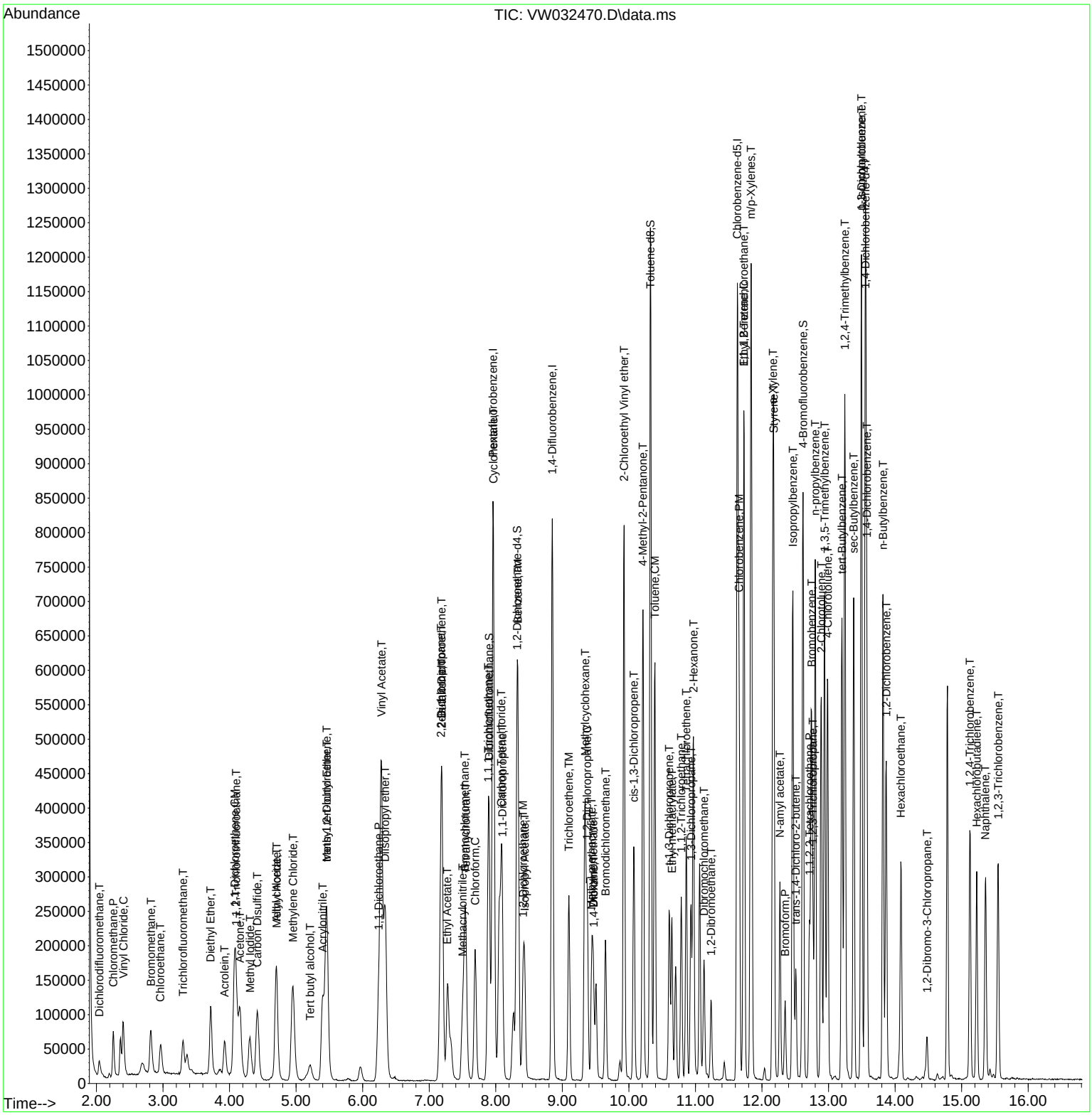
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Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032492.D
Acq On : 19 Nov 2025 11:11
Operator : SY/MD
Sample : VW1119SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/20/2025
Supervised By :Mahesh Dadoda 11/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	361405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	660085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	590674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	243218	52.200	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.400%			
35) Dibromofluoromethane	7.898	113	204531	51.753	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.500%			
50) Toluene-d8	10.325	98	790714	52.153	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.617	95	290609	50.740	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	36626	19.975	ug/l	95
3) Chloromethane	2.253	50	68922	21.929	ug/l	94
4) Vinyl Chloride	2.399	62	86866	21.900	ug/l	97
5) Bromomethane	2.820	94	57660	21.731	ug/l	95
6) Chloroethane	2.966	64	53005	20.425	ug/l	97
7) Trichlorofluoromethane	3.302	101	56783	18.259	ug/l	86
8) Diethyl Ether	3.716	74	51404	20.217	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.094	101	73456	21.683	ug/l	98
10) Methyl Iodide	4.301	142	112464	20.612	ug/l	99
11) Tert butyl alcohol	5.210	59	38806	96.318	ug/l	99
12) 1,1-Dichloroethene	4.076	96	81722	21.038	ug/l	95
13) Acrolein	3.924	56	57195	84.610	ug/l	96
14) Allyl chloride	4.704	41	153990	20.614	ug/l	98
15) Acrylonitrile	5.393	53	146028	99.332	ug/l	99
16) Acetone	4.155	43	146713	105.248	ug/l	96
17) Carbon Disulfide	4.417	76	235675	20.527	ug/l	98
18) Methyl Acetate	4.704	43	65632	19.013	ug/l	100
19) Methyl tert-butyl Ether	5.454	73	159847	19.521	ug/l	100
20) Methylene Chloride	4.954	84	112458	22.559	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	93550	21.061	ug/l	99
22) Diisopropyl ether	6.338	45	318965	20.971	ug/l	98
23) Vinyl Acetate	6.277	43	1046362	100.412	ug/l	100
24) 1,1-Dichloroethane	6.240	63	179819	21.579	ug/l	99
25) 2-Butanone	7.191	43	197486	96.163	ug/l	99
26) 2,2-Dichloropropane	7.179	77	95756	20.619	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	110174	20.759	ug/l	98
28) Bromochloromethane	7.527	49	86496	21.961	ug/l	97
29) Tetrahydrofuran	7.551	42	125719	96.449	ug/l	99
30) Chloroform	7.685	83	178648	21.899	ug/l	98
31) Cyclohexane	7.965	56	155531	20.177	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	123378	21.171	ug/l	97
36) 1,1-Dichloropropene	8.093	75	124481	21.377	ug/l	100
37) Ethyl Acetate	7.270	43	89812	20.742	ug/l	96
38) Carbon Tetrachloride	8.081	117	110629	21.382	ug/l	97
39) Methylcyclohexane	9.343	83	147857	19.601	ug/l	96
40) Benzene	8.331	78	401357	21.403	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032492.D
Acq On : 19 Nov 2025 11:11
Operator : SY/MD
Sample : VW1119SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/20/2025
Supervised By :Mahesh Dadoda 11/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	48775	20.506	ug/l		96
42) 1,2-Dichloroethane	8.411	62	120348	21.849	ug/l		99
43) Isopropyl Acetate	8.435	43	149609	19.513	ug/l		98
44) Trichloroethene	9.099	130	90301	20.695	ug/l		94
45) 1,2-Dichloropropane	9.374	63	100404	21.503	ug/l		100
46) Dibromomethane	9.465	93	58816	21.556	ug/l		98
47) Bromodichloromethane	9.648	83	129606	20.823	ug/l		97
48) Methyl methacrylate	9.441	41	66792	18.333	ug/l		95
49) 1,4-Dioxane	9.459	88	14834	388.079	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.209	43	433442	102.263	ug/l		98
52) Toluene	10.386	92	252405	21.791	ug/l		97
53) t-1,3-Dichloropropene	10.605	75	129416	20.189	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	148531	20.037	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	79341	21.196	ug/l		97
56) Ethyl methacrylate	10.642	69	109811	19.120	ug/l		99
57) 1,3-Dichloropropane	10.934	76	141967	21.235	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	327225	106.985	ug/l		99
59) 2-Hexanone	10.965	43	299147	96.466	ug/l		98
60) Dibromochloromethane	11.130	129	87995	21.051	ug/l		99
61) 1,2-Dibromoethane	11.239	107	74808	20.519	ug/l		100
64) Tetrachloroethene	10.867	164	72274	20.662	ug/l		94
65) Chlorobenzene	11.654	112	268333	21.077	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	81845	20.773	ug/l		99
67) Ethyl Benzene	11.727	91	455523	20.679	ug/l		98
68) m/p-Xylenes	11.837	106	345847	41.815	ug/l		98
69) o-Xylene	12.166	106	160949	20.324	ug/l		100
70) Styrene	12.178	104	287144	21.078	ug/l		99
71) Bromoform	12.343	173	45773	19.614	ug/l	#	98
73) Isopropylbenzene	12.465	105	402569	19.201	ug/l		99
74) N-amyl acetate	12.270	43	139579	19.158	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	101457	20.390	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	84952m	21.703	ug/l		
77) Bromobenzene	12.739	156	99858	20.116	ug/l		97
78) n-propylbenzene	12.800	91	524701	20.550	ug/l		98
79) 2-Chlorotoluene	12.885	91	313773	20.131	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	350920	20.288	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	31435	18.394	ug/l		90
82) 4-Chlorotoluene	12.983	91	335416	20.690	ug/l		99
83) tert-Butylbenzene	13.202	119	283999	18.874	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	351381	19.972	ug/l		98
85) sec-Butylbenzene	13.379	105	431962	19.276	ug/l		100
86) p-Isopropyltoluene	13.495	119	363724	19.658	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	198267	21.066	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	196748	20.404	ug/l		95
89) n-Butylbenzene	13.818	91	357992	19.804	ug/l		98
90) Hexachloroethane	14.086	117	64025	19.192	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	184603	21.366	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16213	18.914	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	105148	19.124	ug/l		98
94) Hexachlorobutadiene	15.226	225	44260	19.379	ug/l		96
95) Naphthalene	15.360	128	232705	16.972	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	100646	20.163	ug/l		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032492.D
Acq On : 19 Nov 2025 11:11
Operator : SY/MD
Sample : VW1119SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/20/2025
Supervised By :Mahesh Dadoda 11/20/2025

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

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

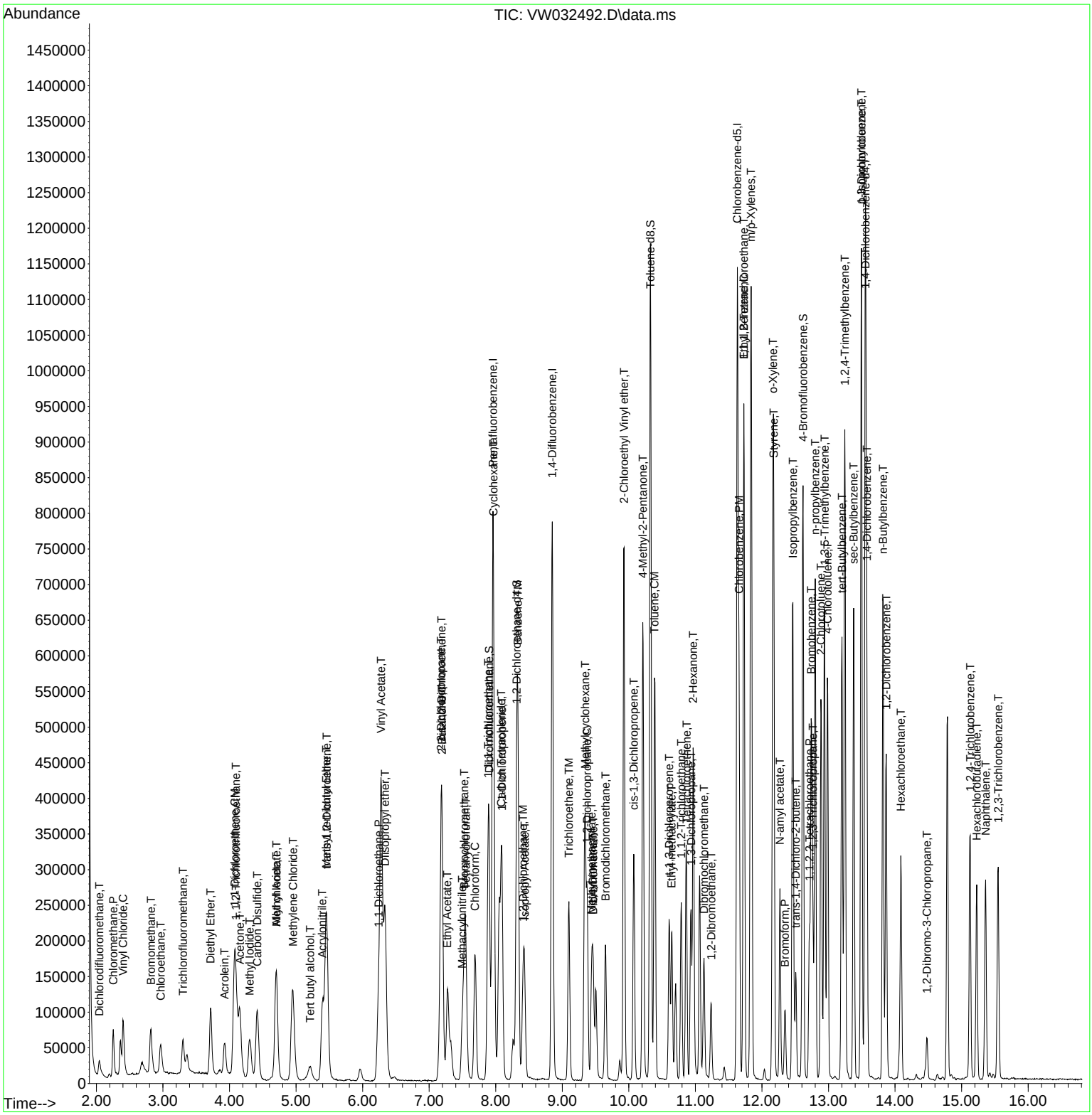
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Data File : VW032492.D
Acq On : 19 Nov 2025 11:11
Operator : SY/MD
Sample : VW1119SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
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Quant Time: Nov 20 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1119SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/20/2025
Supervised By :Mahesh Dadoda 11/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	367695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	692034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	614192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	277057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	247225	52.152	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.300%			
35) Dibromofluoromethane	7.904	113	209098	50.466	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.940%			
50) Toluene-d8	10.325	98	814032	51.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.617	95	298194	49.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	40835	21.889	ug/l	94
3) Chloromethane	2.253	50	70404	22.017	ug/l	99
4) Vinyl Chloride	2.405	62	90715	22.479	ug/l	95
5) Bromomethane	2.820	94	60053	22.246	ug/l	97
6) Chloroethane	2.966	64	57168	21.652	ug/l	99
7) Trichlorofluoromethane	3.308	101	70047	22.138	ug/l	92
8) Diethyl Ether	3.716	74	53653	20.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	78214	22.693	ug/l	98
10) Methyl Iodide	4.307	142	117653	21.194	ug/l	98
11) Tert butyl alcohol	5.216	59	44484	108.522	ug/l	100
12) 1,1-Dichloroethene	4.076	96	88001	22.266	ug/l	100
13) Acrolein	3.929	56	61188	88.969	ug/l	98
14) Allyl chloride	4.704	41	164742	21.676	ug/l	98
15) Acrylonitrile	5.405	53	158572	106.019	ug/l	98
16) Acetone	4.161	43	148438	104.664	ug/l	98
17) Carbon Disulfide	4.417	76	251424	21.524	ug/l	98
18) Methyl Acetate	4.710	43	70239	20.000	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	172461	20.701	ug/l	100
20) Methylene Chloride	4.954	84	119594	23.580	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	99851	22.095	ug/l	93
22) Diisopropyl ether	6.344	45	347227	22.439	ug/l	96
23) Vinyl Acetate	6.283	43	1145335	108.030	ug/l	98
24) 1,1-Dichloroethane	6.246	63	191582	22.597	ug/l	99
25) 2-Butanone	7.191	43	211255	101.107	ug/l	97
26) 2,2-Dichloropropane	7.185	77	106084	22.452	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	116504	21.576	ug/l	97
28) Bromochloromethane	7.532	49	91167	22.751	ug/l	95
29) Tetrahydrofuran	7.557	42	140552	105.984	ug/l	98
30) Chloroform	7.697	83	188461	22.707	ug/l	98
31) Cyclohexane	7.965	56	172748	22.027	ug/l	91
32) 1,1,1-Trichloroethane	7.886	97	131999	22.263	ug/l	98
36) 1,1-Dichloropropene	8.093	75	136205	22.311	ug/l	98
37) Ethyl Acetate	7.276	43	95805	21.105	ug/l	99
38) Carbon Tetrachloride	8.081	117	122018	22.494	ug/l	89
39) Methylcyclohexane	9.343	83	164638	20.818	ug/l	91
40) Benzene	8.337	78	428421	21.792	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	49368	19.797	ug/l		97
42) 1,2-Dichloroethane	8.410	62	126122	21.841	ug/l		99
43) Isopropyl Acetate	8.435	43	164319	20.442	ug/l		99
44) Trichloroethene	9.099	130	97571	21.328	ug/l		98
45) 1,2-Dichloropropane	9.374	63	106607	21.777	ug/l		98
46) Dibromomethane	9.465	93	62759	21.939	ug/l		97
47) Bromodichloromethane	9.654	83	139764	21.418	ug/l		97
48) Methyl methacrylate	9.441	41	73924	19.354	ug/l		95
49) 1,4-Dioxane	9.465	88	16943	422.790	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.215	43	469930	105.753	ug/l		99
52) Toluene	10.392	92	266368	21.935	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	137060	20.395	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	161937	20.837	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	83014	21.154	ug/l		98
56) Ethyl methacrylate	10.648	69	118441	19.670	ug/l		98
57) 1,3-Dichloropropane	10.934	76	150752	21.508	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	334590	104.343	ug/l		100
59) 2-Hexanone	10.971	43	328281	100.974	ug/l		97
60) Dibromochloromethane	11.136	129	90803	20.720	ug/l		99
61) 1,2-Dibromoethane	11.239	107	79907	20.906	ug/l		99
64) Tetrachloroethene	10.861	164	76983	21.166	ug/l		92
65) Chlorobenzene	11.654	112	284215	21.470	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	85505	20.871	ug/l		97
67) Ethyl Benzene	11.727	91	501618	21.899	ug/l		99
68) m/p-Xylenes	11.837	106	381526	44.363	ug/l		99
69) o-Xylene	12.166	106	174487	21.189	ug/l		100
70) Styrene	12.178	104	310384	21.911	ug/l		100
71) Bromoform	12.343	173	46921	19.336	ug/l	#	98
73) Isopropylbenzene	12.458	105	440952	21.670	ug/l		100
74) N-amyl acetate	12.269	43	149690	21.170	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	107453	22.251	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	76438m	20.121	ug/l		
77) Bromobenzene	12.745	156	102986	21.376	ug/l		92
78) n-propylbenzene	12.800	91	559230	22.568	ug/l		100
79) 2-Chlorotoluene	12.891	91	340426	22.504	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	374042	22.281	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	33213	20.025	ug/l		92
82) 4-Chlorotoluene	12.989	91	355073	22.568	ug/l		100
83) tert-Butylbenzene	13.202	119	315255	21.588	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	383766	22.476	ug/l		100
85) sec-Butylbenzene	13.379	105	481804	22.154	ug/l		99
86) p-Isopropyltoluene	13.495	119	401289	22.347	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	205534	22.502	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	202383	21.627	ug/l		95
89) n-Butylbenzene	13.818	91	385664	21.984	ug/l		98
90) Hexachloroethane	14.086	117	71838	22.189	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	181954	21.700	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16497	19.830	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	106304	19.922	ug/l		92
94) Hexachlorobutadiene	15.232	225	45508	20.531	ug/l		90
95) Naphthalene	15.360	128	256327	19.263	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	99190	20.475	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

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

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

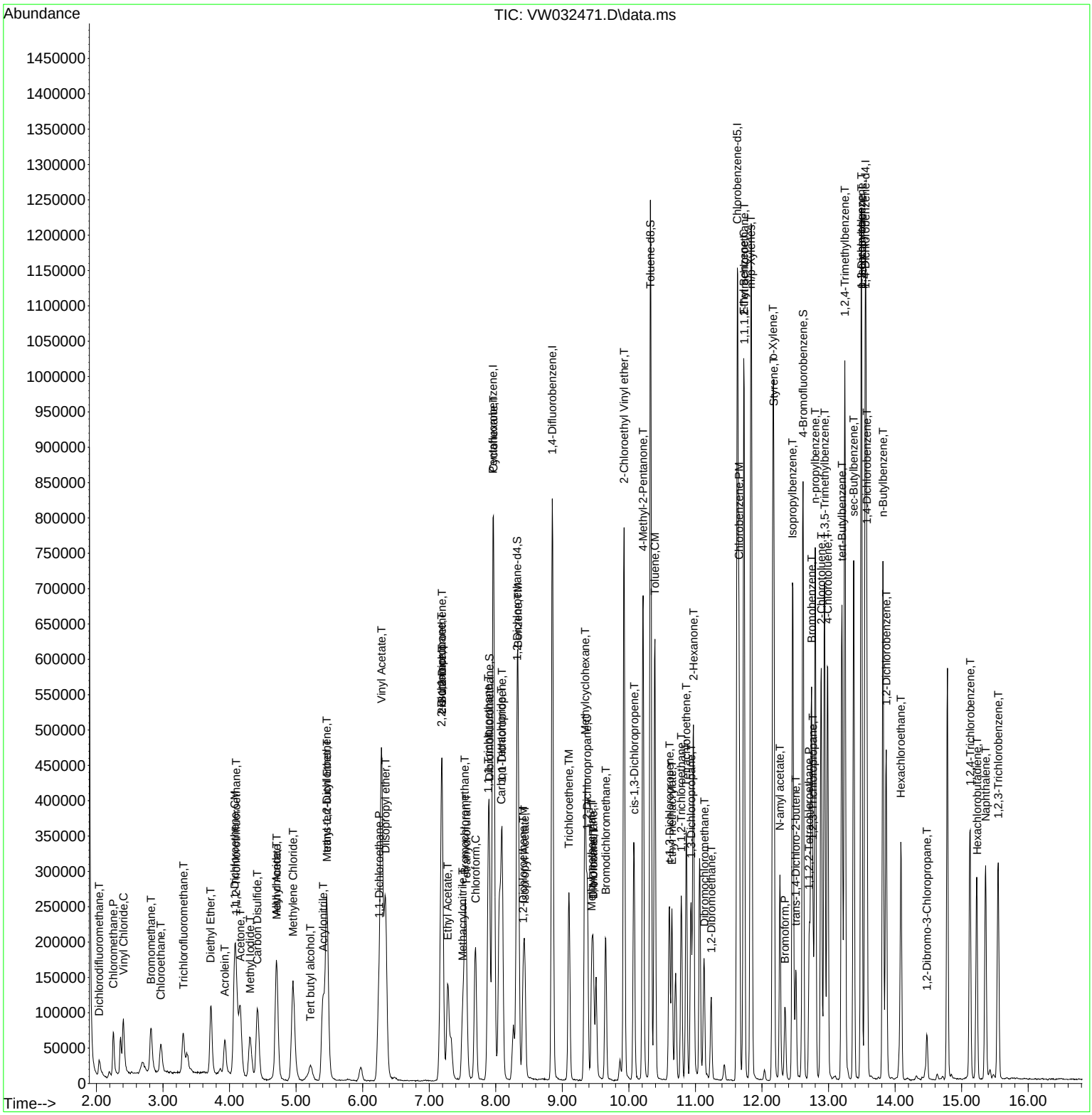
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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Manual Integration Report

Sequence:	VW111025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032406.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC005	VW032406.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC020	VW032408.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:39 AM	sam	11/11/2025 12:30:15 PM	Peak Integrated by Software
VSTDICCC050	VW032409.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:43 AM	sam	11/11/2025 12:29:38 PM	Peak Integrated by Software
VSTDICC100	VW032410.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:48 AM	sam	11/11/2025 12:30:21 PM	Peak Integrated by Software
VSTDICC150	VW032411.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:52 AM	sam	11/11/2025 12:29:30 PM	Peak Integrated by Software
VSTDICV050	VW032413.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:57 AM	sam	11/11/2025 12:29:34 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW111825	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032468.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:14 AM	MMDadoda	11/19/2025 11:20:14 AM	Peak Integrated by Software
VW1118SBS01	VW032470.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:18 AM	MMDadoda	11/19/2025 11:20:17 AM	Peak Integrated by Software
VW1118SBSD01	VW032471.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:23 AM	MMDadoda	11/19/2025 11:20:20 AM	Peak Integrated by Software
VSTDCCC050	VW032488.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:27 AM	MMDadoda	11/19/2025 11:20:25 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW111925	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032490.D	1,2,3-Trichloropropane	Amit	11/20/2025 8:22:40 AM	MMDadoda	11/20/2025 10:02:19 AM	Peak Integrated by Software
VW1119SBS01	VW032492.D	1,2,3-Trichloropropane	Amit	11/20/2025 8:22:45 AM	MMDadoda	11/20/2025 10:02:23 AM	Peak Integrated by Software
VSTDCCC050	VW032509.D	1,2,3-Trichloropropane	Amit	11/20/2025 8:22:58 AM	MMDadoda	11/20/2025 10:02:37 AM	Peak Integrated by Software

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032405.D	10 Nov 2025 14:20	SY/MD	Ok
2	VSTDICC005	VW032406.D	10 Nov 2025 15:11	SY/MD	Ok,M
3	VSTDICC010	VW032407.D	10 Nov 2025 15:33	SY/MD	Ok,M
4	VSTDICC020	VW032408.D	10 Nov 2025 15:55	SY/MD	Ok,M
5	VSTDICCC050	VW032409.D	10 Nov 2025 16:17	SY/MD	Ok,M
6	VSTDICC100	VW032410.D	10 Nov 2025 16:39	SY/MD	Ok,M
7	VSTDICC150	VW032411.D	10 Nov 2025 17:00	SY/MD	Ok,M
8	VIBLK	VW032412.D	10 Nov 2025 17:22	SY/MD	Ok
9	VSTDICV050	VW032413.D	10 Nov 2025 17:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM				
SubDirectory	VW111825	HP Acquire Method	MSVOA_W		HP Processing Method	82w111025s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032467.D	18 Nov 2025 09:15	SY/MD	Ok
2	VSTDCCC050	VW032468.D	18 Nov 2025 09:46	SY/MD	Ok,M
3	VW1118SBL01	VW032469.D	18 Nov 2025 10:13	SY/MD	Ok
4	VW1118SBS01	VW032470.D	18 Nov 2025 10:40	SY/MD	Ok,M
5	VW1118SBSD01	VW032471.D	18 Nov 2025 11:02	SY/MD	Ok,M
6	Q3658-01	VW032472.D	18 Nov 2025 11:50	SY/MD	Ok
7	Q3656-01	VW032473.D	18 Nov 2025 12:12	SY/MD	Ok
8	Q3633-05	VW032474.D	18 Nov 2025 12:34	SY/MD	Ok
9	Q3641-01RE	VW032475.D	18 Nov 2025 12:56	SY/MD	Confirms
10	Q3638-01	VW032476.D	18 Nov 2025 13:18	SY/MD	Ok
11	Q3638-03	VW032477.D	18 Nov 2025 13:40	SY/MD	Ok
12	Q3640-03	VW032478.D	18 Nov 2025 14:02	SY/MD	Ok
13	Q3661-02	VW032479.D	18 Nov 2025 14:24	SY/MD	ReRun
14	Q3652-03	VW032480.D	18 Nov 2025 14:46	SY/MD	Ok
15	Q3649-02	VW032481.D	18 Nov 2025 15:08	SY/MD	ReRun
16	Q3649-04	VW032482.D	18 Nov 2025 15:30	SY/MD	ReRun
17	Q3649-05	VW032483.D	18 Nov 2025 15:52	SY/MD	Ok
18	Q3649-09	VW032484.D	18 Nov 2025 16:14	SY/MD	Ok
19	Q3662-01	VW032485.D	18 Nov 2025 16:36	SY/MD	Ok
20	Q3662-03	VW032486.D	18 Nov 2025 16:58	SY/MD	Ok
21	VIBLK	VW032487.D	18 Nov 2025 17:20	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM			
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM			
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VW032488.D	18 Nov 2025 17:43	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111925

Review By	Amit Patel	Review On	11/20/2025 8:23:16 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/20/2025 10:02:48 AM				
SubDirectory	VW111925	HP Acquire Method	MSVOA_W		HP Processing Method	82w111025s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136334
Initial Calibration Stds	
CCC	VP136335,VP136336
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032489.D	19 Nov 2025 09:32	SY/MD	Ok
2	VSTDCCC050	VW032490.D	19 Nov 2025 10:01	SY/MD	Ok,M
3	VW1119SBL01	VW032491.D	19 Nov 2025 10:36	SY/MD	Ok
4	VW1119SBS01	VW032492.D	19 Nov 2025 11:11	SY/MD	Ok,M
5	VW1119SBSD01	VW032493.D	19 Nov 2025 11:33	SY/MD	Ok,M
6	Q3619-17	VW032494.D	19 Nov 2025 12:08	SY/MD	Ok
7	VIBLK	VW032495.D	19 Nov 2025 12:30	SY/MD	Ok
8	Q3649-02	VW032496.D	19 Nov 2025 12:52	SY/MD	Ok
9	Q3649-04	VW032497.D	19 Nov 2025 13:14	SY/MD	Ok
10	Q3661-02RE	VW032498.D	19 Nov 2025 13:36	SY/MD	Confirms
11	Q3669-01	VW032499.D	19 Nov 2025 13:58	SY/MD	Ok,M
12	Q3664-01	VW032500.D	19 Nov 2025 14:20	SY/MD	Ok
13	Q3664-03	VW032501.D	19 Nov 2025 14:42	SY/MD	ReRun
14	Q3664-05	VW032502.D	19 Nov 2025 15:04	SY/MD	Ok
15	Q3619-03	VW032503.D	19 Nov 2025 15:26	SY/MD	Ok
16	Q3619-04	VW032504.D	19 Nov 2025 15:49	SY/MD	Ok
17	Q3619-09	VW032505.D	19 Nov 2025 16:10	SY/MD	Ok
18	Q3619-14	VW032506.D	19 Nov 2025 16:32	SY/MD	Ok
19	Q3619-18	VW032507.D	19 Nov 2025 16:53	SY/MD	Ok
20	VIBLK	VW032508.D	19 Nov 2025 17:16	SY/MD	Ok
21	VSTDCCC050	VW032509.D	19 Nov 2025 17:37	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032405.D	10 Nov 2025 14:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032406.D	10 Nov 2025 15:11		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032407.D	10 Nov 2025 15:33		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032408.D	10 Nov 2025 15:55		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032409.D	10 Nov 2025 16:17		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032410.D	10 Nov 2025 16:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032411.D	10 Nov 2025 17:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032412.D	10 Nov 2025 17:22		SY/MD	Ok
9	VSTDICV050	ICVVW111025	VW032413.D	10 Nov 2025 17:44		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM		
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032467.D	18 Nov 2025 09:15		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032468.D	18 Nov 2025 09:46		SY/MD	Ok,M
3	VW1118SBL01	VW1118SBL01	VW032469.D	18 Nov 2025 10:13		SY/MD	Ok
4	VW1118SBS01	VW1118SBS01	VW032470.D	18 Nov 2025 10:40		SY/MD	Ok,M
5	VW1118SBSD01	VW1118SBSD01	VW032471.D	18 Nov 2025 11:02		SY/MD	Ok,M
6	Q3658-01	NB-07-111725	VW032472.D	18 Nov 2025 11:50	vial-A	SY/MD	Ok
7	Q3656-01	T2-GRAVEL	VW032473.D	18 Nov 2025 12:12	vial-A	SY/MD	Ok
8	Q3633-05	ETGI-368	VW032474.D	18 Nov 2025 12:34	vial-B	SY/MD	Ok
9	Q3641-01RE	TR-05-111325RE	VW032475.D	18 Nov 2025 12:56	vial-B Surrogate Fail	SY/MD	Confirms
10	Q3638-01	MOO-25-0327	VW032476.D	18 Nov 2025 13:18	vial-A	SY/MD	Ok
11	Q3638-03	MOO-25-0328	VW032477.D	18 Nov 2025 13:40	vial-A	SY/MD	Ok
12	Q3640-03	LAW-25-0182	VW032478.D	18 Nov 2025 14:02	vial-A	SY/MD	Ok
13	Q3661-02	VOC	VW032479.D	18 Nov 2025 14:24	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q3652-03	TP-1-VOC	VW032480.D	18 Nov 2025 14:46	vial-A	SY/MD	Ok
15	Q3649-02	B5-0.5-1.0-20251114	VW032481.D	18 Nov 2025 15:08	vial-A Surrogate Fail	SY/MD	ReRun
16	Q3649-04	DUPE-0.5-1.0-2025111	VW032482.D	18 Nov 2025 15:30	vial-A Surrogate Fail	SY/MD	ReRun
17	Q3649-05	B4-0.05-1.0-20251114	VW032483.D	18 Nov 2025 15:52	vial-A	SY/MD	Ok
18	Q3649-09	B3-0.5-1.0-20251114	VW032484.D	18 Nov 2025 16:14	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM		
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3662-01	B3-0.5-1.0-20251117	VW032485.D	18 Nov 2025 16:36	vial-A	SY/MD	Ok
20	Q3662-03	B1-0.5-1.0-20251117	VW032486.D	18 Nov 2025 16:58	vial-A	SY/MD	Ok
21	VIBLK	VIBLK	VW032487.D	18 Nov 2025 17:20		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VW032488.D	18 Nov 2025 17:43		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111925

Review By	Amit Patel	Review On	11/20/2025 8:23:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2025 10:02:48 AM		
SubDirectory	VW111925	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136334
Initial Calibration Stds	
CCC	VP136335,VP136336
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032489.D	19 Nov 2025 09:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032490.D	19 Nov 2025 10:01		SY/MD	Ok,M
3	VW1119SBL01	VW1119SBL01	VW032491.D	19 Nov 2025 10:36		SY/MD	Ok
4	VW1119SBS01	VW1119SBS01	VW032492.D	19 Nov 2025 11:11		SY/MD	Ok,M
5	VW1119SBSD01	VW1119SBSD01	VW032493.D	19 Nov 2025 11:33		SY/MD	Ok,M
6	Q3619-17	GP-B4(8-12)	VW032494.D	19 Nov 2025 12:08	vial-A	SY/MD	Ok
7	VIBLK	VIBLK	VW032495.D	19 Nov 2025 12:30		SY/MD	Ok
8	Q3649-02	B5-0.5-1.0-20251114	VW032496.D	19 Nov 2025 12:52	vial-B	SY/MD	Ok
9	Q3649-04	DUPE-0.5-1.0-2025111	VW032497.D	19 Nov 2025 13:14	vial-B	SY/MD	Ok
10	Q3661-02RE	VOCRE	VW032498.D	19 Nov 2025 13:36	vial-B Internal Standard Fail	SY/MD	Confirms
11	Q3669-01	EO-01-11182025	VW032499.D	19 Nov 2025 13:58	vial-A	SY/MD	Ok,M
12	Q3664-01	ARS20-0001	VW032500.D	19 Nov 2025 14:20	vial-A	SY/MD	Ok
13	Q3664-03	ARS20-0013	VW032501.D	19 Nov 2025 14:42	vial-A Surrogate Fail	SY/MD	ReRun
14	Q3664-05	291399	VW032502.D	19 Nov 2025 15:04	vial-A	SY/MD	Ok
15	Q3619-03	GP-B1(8-12)	VW032503.D	19 Nov 2025 15:26	vial-A	SY/MD	Ok
16	Q3619-04	GP-B1(12-16)	VW032504.D	19 Nov 2025 15:49	vial-A	SY/MD	Ok
17	Q3619-09	GP-B2(12-16)	VW032505.D	19 Nov 2025 16:10	vial-A	SY/MD	Ok
18	Q3619-14	GP-B3(13.2)	VW032506.D	19 Nov 2025 16:32	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111925

Review By	Amit Patel	Review On	11/20/2025 8:23:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2025 10:02:48 AM		
SubDirectory	VW111925	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136334
Initial Calibration Stds	
CCC	VP136335,VP136336
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3619-18	GP-B4(13.2)	VW032507.D	19 Nov 2025 16:53	vial-A	SY/MD	Ok
20	VIBLK	VIBLK	VW032508.D	19 Nov 2025 17:16		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VW032509.D	19 Nov 2025 17:37		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-02	**B5-0.5-1.0-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			VOC-TCLVOA-10	8260D			11/19/25	
Q3649-04	**DUPE-0.5-1.0-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			VOC-TCLVOA-10	8260D			11/19/25	
Q3649-05	**B4-0.05-1.0-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			VOC-TCLVOA-10	8260D			11/18/25	
Q3649-09	**B3-0.5-1.0-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			VOC-TCLVOA-10	8260D			11/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3649

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B5-0.0-0.5-20251114**								
Q3649-01	B5-0.0-0.5-20251114	SOIL	1-Heneicosanol	*	82.300	J	0	0	ug/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
			Total Tics :		**262.30**				
			Total Concentration:		**262.30**				
Client ID :	**DUPE-0.0-0.5-20251114**								
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Phenanthrene		230.000		24.1	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Fluoranthene		400.000		34.6	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Pyrene		280.000		41.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)anthracene		180.000	J	26.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Chrysene		200.000		22.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J	68.2	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(b)fluoranthene		260.000		21.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(k)fluoranthene		100.000	J	25.8	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)pyrene		170.000	J	34	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(g,h,i)perylene		90.600	J	29.6	200	ug/Kg
			Total Svoc :		**2,020.60**				
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo[e]pyrene	*	120.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**2,540.60**				
Client ID :	**B4-0.0-0.5-20251114**								
Q3649-06	B4-0.0-0.5-20251114	SOIL	Benzophenone	*	100.000	J	0	0	ug/Kg
			Total Tics :		**100.00**				
			Total Concentration:		**100.00**				
Client ID :	**B3-0.0-0.5-20251114**								
Q3649-08	B3-0.0-0.5-20251114	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Heptadecyl heptafluorobutyrate	*	150.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	180.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Z-5-Nonadecene	*	99.000	J	0	0	ug/Kg
			Total Tics :		**919.00**				
			Total Concentration:		**919.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 21:28	PB170576
108-95-2	Phenol	24.4	U	1	24.4	190	ug/Kg	11/17/25 21:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.8	U	1	26.8	190	ug/Kg	11/17/25 21:28	PB170576
95-57-8	2-Chlorophenol	26.9	U	1	26.9	190	ug/Kg	11/17/25 21:28	PB170576
95-48-7	2-Methylphenol	33.0	U	1	33.0	190	ug/Kg	11/17/25 21:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	1	41.3	190	ug/Kg	11/17/25 21:28	PB170576
98-86-2	Acetophenone	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
65794-96-9	3+4-Methylphenols	45.3	U	1	45.3	360	ug/Kg	11/17/25 21:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	1	52.2	88.2	ug/Kg	11/17/25 21:28	PB170576
67-72-1	Hexachloroethane	19.4	U	1	19.4	190	ug/Kg	11/17/25 21:28	PB170576
98-95-3	Nitrobenzene	20.2	U	1	20.2	190	ug/Kg	11/17/25 21:28	PB170576
78-59-1	Isophorone	36.2	U	1	36.2	190	ug/Kg	11/17/25 21:28	PB170576
88-75-5	2-Nitrophenol	64.2	U	1	64.2	190	ug/Kg	11/17/25 21:28	PB170576
105-67-9	2,4-Dimethylphenol	71.4	U	1	71.4	190	ug/Kg	11/17/25 21:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	1	34.0	190	ug/Kg	11/17/25 21:28	PB170576
120-83-2	2,4-Dichlorophenol	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
91-20-3	Naphthalene	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
106-47-8	4-Chloroaniline	39.0	UQ	1	39.0	190	ug/Kg	11/17/25 21:28	PB170576
87-68-3	Hexachlorobutadiene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
105-60-2	Caprolactam	57.4	U	1	57.4	360	ug/Kg	11/17/25 21:28	PB170576
59-50-7	4-Chloro-3-methylphenol	31.6	U	1	31.6	190	ug/Kg	11/17/25 21:28	PB170576
91-57-6	2-Methylnaphthalene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 21:28	PB170576
88-06-2	2,4,6-Trichlorophenol	21.8	U	1	21.8	190	ug/Kg	11/17/25 21:28	PB170576
95-95-4	2,4,5-Trichlorophenol	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
92-52-4	1,1-Biphenyl	24.0	U	1	24.0	190	ug/Kg	11/17/25 21:28	PB170576
91-58-7	2-Chloronaphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 21:28	PB170576
88-74-4	2-Nitroaniline	53.0	U	1	53.0	190	ug/Kg	11/17/25 21:28	PB170576
131-11-3	Dimethylphthalate	29.9	U	1	29.9	190	ug/Kg	11/17/25 21:28	PB170576
208-96-8	Acenaphthylene	31.9	U	1	31.9	190	ug/Kg	11/17/25 21:28	PB170576
606-20-2	2,6-Dinitrotoluene	37.0	U	1	37.0	190	ug/Kg	11/17/25 21:28	PB170576
99-09-2	3-Nitroaniline	50.7	UQ	1	50.7	190	ug/Kg	11/17/25 21:28	PB170576
83-32-9	Acenaphthene	23.5	U	1	23.5	190	ug/Kg	11/17/25 21:28	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 21:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 21:28	PB170576
132-64-9	Dibenzofuran	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
121-14-2	2,4-Dinitrotoluene	55.2	U	1	55.2	190	ug/Kg	11/17/25 21:28	PB170576
84-66-2	Diethylphthalate	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	1	29.4	190	ug/Kg	11/17/25 21:28	PB170576
86-73-7	Fluorene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
100-01-6	4-Nitroaniline	70.8	U	1	70.8	190	ug/Kg	11/17/25 21:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 21:28	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.3	U	1	36.3	190	ug/Kg	11/17/25 21:28	PB170576
101-55-3	4-Bromophenyl-phenylether	30.6	U	1	30.6	190	ug/Kg	11/17/25 21:28	PB170576
118-74-1	Hexachlorobenzene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
1912-24-9	Atrazine	37.5	U	1	37.5	190	ug/Kg	11/17/25 21:28	PB170576
87-86-5	Pentachlorophenol	56.5	U	1	56.5	360	ug/Kg	11/17/25 21:28	PB170576
85-01-8	Phenanthrene	23.0	U	1	23.0	190	ug/Kg	11/17/25 21:28	PB170576
120-12-7	Anthracene	36.7	U	1	36.7	190	ug/Kg	11/17/25 21:28	PB170576
86-74-8	Carbazole	34.4	U	1	34.4	190	ug/Kg	11/17/25 21:28	PB170576
84-74-2	Di-n-butylphthalate	52.8	U	1	52.8	190	ug/Kg	11/17/25 21:28	PB170576
206-44-0	Fluoranthene	33.1	U	1	33.1	190	ug/Kg	11/17/25 21:28	PB170576
129-00-0	Pyrene	39.7	U	1	39.7	190	ug/Kg	11/17/25 21:28	PB170576
85-68-7	Butylbenzylphthalate	78.7	U	1	78.7	190	ug/Kg	11/17/25 21:28	PB170576
91-94-1	3,3-Dichlorobenzidine	40.5	UQ	1	40.5	360	ug/Kg	11/17/25 21:28	PB170576
56-55-3	Benzo(a)anthracene	25.4	U	1	25.4	190	ug/Kg	11/17/25 21:28	PB170576
218-01-9	Chrysene	21.9	U	1	21.9	190	ug/Kg	11/17/25 21:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	1	65.3	190	ug/Kg	11/17/25 21:28	PB170576
117-84-0	Di-n-octyl phthalate	95.7	U	1	95.7	360	ug/Kg	11/17/25 21:28	PB170576
205-99-2	Benzo(b)fluoranthene	20.9	U	1	20.9	190	ug/Kg	11/17/25 21:28	PB170576
207-08-9	Benzo(k)fluoranthene	24.7	U	1	24.7	190	ug/Kg	11/17/25 21:28	PB170576
50-32-8	Benzo(a)pyrene	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
191-24-2	Benzo(g,h,i)perylene	28.3	U	1	28.3	190	ug/Kg	11/17/25 21:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
123-91-1	1,4-Dioxane	49.8	U	1	49.8	190	ug/Kg	11/17/25 21:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	62.0			30 (10) - 130 (105)	41%	SPK: 150		
13127-88-3	Phenol-d6	73.3			30 (10) - 130 (103)	49%	SPK: 150		
4165-60-0	Nitrobenzene-d5	47.5			30 (10) - 130 (108)	47%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.5			30 (10) - 130 (108)	51%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	37.2	*		30 (10) - 130 (116)	25%	SPK: 150		
1718-51-0	Terphenyl-d14	53.7			30 (10) - 130 (109)	54%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	134000							
15067-26-2	Acenaphthene-d10	106000							
1517-22-2	Phenanthrene-d10	262000							
1719-03-5	Chrysene-d12	348000							
1520-96-3	Perylene-d12	360000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	180	J			16.1	ug/Kg		
015594-90-8	1-Heneicosanol	82.3	J			21.4	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 17:28	PB170576
108-95-2	Phenol	25.5	U	1	25.5	200	ug/Kg	11/17/25 17:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.0	U	1	28.0	200	ug/Kg	11/17/25 17:28	PB170576
95-57-8	2-Chlorophenol	28.1	U	1	28.1	200	ug/Kg	11/17/25 17:28	PB170576
95-48-7	2-Methylphenol	34.5	U	1	34.5	200	ug/Kg	11/17/25 17:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.2	U	1	43.2	200	ug/Kg	11/17/25 17:28	PB170576
98-86-2	Acetophenone	34.0	U	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
65794-96-9	3+4-Methylphenols	47.4	U	1	47.4	380	ug/Kg	11/17/25 17:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	54.6	U	1	54.6	92.2	ug/Kg	11/17/25 17:28	PB170576
67-72-1	Hexachloroethane	20.3	U	1	20.3	200	ug/Kg	11/17/25 17:28	PB170576
98-95-3	Nitrobenzene	21.1	U	1	21.1	200	ug/Kg	11/17/25 17:28	PB170576
78-59-1	Isophorone	37.8	U	1	37.8	200	ug/Kg	11/17/25 17:28	PB170576
88-75-5	2-Nitrophenol	67.1	U	1	67.1	200	ug/Kg	11/17/25 17:28	PB170576
105-67-9	2,4-Dimethylphenol	74.7	U	1	74.7	200	ug/Kg	11/17/25 17:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	1	35.5	200	ug/Kg	11/17/25 17:28	PB170576
120-83-2	2,4-Dichlorophenol	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
91-20-3	Naphthalene	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
106-47-8	4-Chloroaniline	40.8	UQ	1	40.8	200	ug/Kg	11/17/25 17:28	PB170576
87-68-3	Hexachlorobutadiene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
105-60-2	Caprolactam	60.1	U	1	60.1	380	ug/Kg	11/17/25 17:28	PB170576
59-50-7	4-Chloro-3-methylphenol	33.1	U	1	33.1	200	ug/Kg	11/17/25 17:28	PB170576
91-57-6	2-Methylnaphthalene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 17:28	PB170576
88-06-2	2,4,6-Trichlorophenol	22.8	U	1	22.8	200	ug/Kg	11/17/25 17:28	PB170576
95-95-4	2,4,5-Trichlorophenol	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
92-52-4	1,1-Biphenyl	25.1	U	1	25.1	200	ug/Kg	11/17/25 17:28	PB170576
91-58-7	2-Chloronaphthalene	25.9	U	1	25.9	200	ug/Kg	11/17/25 17:28	PB170576
88-74-4	2-Nitroaniline	55.4	U	1	55.4	200	ug/Kg	11/17/25 17:28	PB170576
131-11-3	Dimethylphthalate	31.2	U	1	31.2	200	ug/Kg	11/17/25 17:28	PB170576
208-96-8	Acenaphthylene	33.3	U	1	33.3	200	ug/Kg	11/17/25 17:28	PB170576
606-20-2	2,6-Dinitrotoluene	38.7	U	1	38.7	200	ug/Kg	11/17/25 17:28	PB170576
99-09-2	3-Nitroaniline	53.0	UQ	1	53.0	200	ug/Kg	11/17/25 17:28	PB170576
83-32-9	Acenaphthene	24.6	U	1	24.6	200	ug/Kg	11/17/25 17:28	PB170576
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/17/25 17:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576
132-64-9	Dibenzofuran	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
121-14-2	2,4-Dinitrotoluene	57.7	U	1	57.7	200	ug/Kg	11/17/25 17:28	PB170576
84-66-2	Diethylphthalate	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	1	30.8	200	ug/Kg	11/17/25 17:28	PB170576
86-73-7	Fluorene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
100-01-6	4-Nitroaniline	74.0	U	1	74.0	200	ug/Kg	11/17/25 17:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.9	U	1	37.9	200	ug/Kg	11/17/25 17:28	PB170576
101-55-3	4-Bromophenyl-phenylether	32.0	U	1	32.0	200	ug/Kg	11/17/25 17:28	PB170576
118-74-1	Hexachlorobenzene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
1912-24-9	Atrazine	39.2	U	1	39.2	200	ug/Kg	11/17/25 17:28	PB170576
87-86-5	Pentachlorophenol	59.1	U	1	59.1	380	ug/Kg	11/17/25 17:28	PB170576
85-01-8	Phenanthrene	230		1	24.1	200	ug/Kg	11/17/25 17:28	PB170576
120-12-7	Anthracene	38.4	U	1	38.4	200	ug/Kg	11/17/25 17:28	PB170576
86-74-8	Carbazole	36.0	U	1	36.0	200	ug/Kg	11/17/25 17:28	PB170576
84-74-2	Di-n-butylphthalate	55.2	U	1	55.2	200	ug/Kg	11/17/25 17:28	PB170576
206-44-0	Fluoranthene	400		1	34.6	200	ug/Kg	11/17/25 17:28	PB170576
129-00-0	Pyrene	280		1	41.5	200	ug/Kg	11/17/25 17:28	PB170576
85-68-7	Butylbenzylphthalate	82.3	U	1	82.3	200	ug/Kg	11/17/25 17:28	PB170576
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	1	42.3	380	ug/Kg	11/17/25 17:28	PB170576
56-55-3	Benzo(a)anthracene	180	J	1	26.5	200	ug/Kg	11/17/25 17:28	PB170576
218-01-9	Chrysene	200		1	22.9	200	ug/Kg	11/17/25 17:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	1	68.2	200	ug/Kg	11/17/25 17:28	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 17:28	PB170576
205-99-2	Benzo(b)fluoranthene	260		1	21.9	200	ug/Kg	11/17/25 17:28	PB170576
207-08-9	Benzo(k)fluoranthene	100	J	1	25.8	200	ug/Kg	11/17/25 17:28	PB170576
50-32-8	Benzo(a)pyrene	170	J	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
191-24-2	Benzo(g,h,i)perylene	90.6	J	1	29.6	200	ug/Kg	11/17/25 17:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
123-91-1	1,4-Dioxane	52.1	U	1	52.1	200	ug/Kg	11/17/25 17:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	65.4			30 (10) - 130 (105)	44%	SPK: 150		
13127-88-3	Phenol-d6	63.5			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	45.2			30 (10) - 130 (108)	45%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.3			30 (10) - 130 (108)	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.0			30 (10) - 130 (116)	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.4			30 (10) - 130 (109)	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	54900							
1146-65-2	Naphthalene-d8	198000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	160000							
1719-03-5	Chrysene-d12	127000							
1520-96-3	Perylene-d12	117000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	160	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	240	J			11.9	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	120	J			15.4	ug/Kg		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 20:07	PB170576
108-95-2	Phenol	24.1	U	1	24.1	190	ug/Kg	11/17/25 20:07	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.5	U	1	26.5	190	ug/Kg	11/17/25 20:07	PB170576
95-57-8	2-Chlorophenol	26.7	U	1	26.7	190	ug/Kg	11/17/25 20:07	PB170576
95-48-7	2-Methylphenol	32.7	U	1	32.7	190	ug/Kg	11/17/25 20:07	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	1	41.0	190	ug/Kg	11/17/25 20:07	PB170576
98-86-2	Acetophenone	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
65794-96-9	3+4-Methylphenols	44.9	U	1	44.9	360	ug/Kg	11/17/25 20:07	PB170576
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	1	51.8	87.4	ug/Kg	11/17/25 20:07	PB170576
67-72-1	Hexachloroethane	19.2	U	1	19.2	190	ug/Kg	11/17/25 20:07	PB170576
98-95-3	Nitrobenzene	20.0	U	1	20.0	190	ug/Kg	11/17/25 20:07	PB170576
78-59-1	Isophorone	35.8	U	1	35.8	190	ug/Kg	11/17/25 20:07	PB170576
88-75-5	2-Nitrophenol	63.6	U	1	63.6	190	ug/Kg	11/17/25 20:07	PB170576
105-67-9	2,4-Dimethylphenol	70.8	U	1	70.8	190	ug/Kg	11/17/25 20:07	PB170576
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	1	33.6	190	ug/Kg	11/17/25 20:07	PB170576
120-83-2	2,4-Dichlorophenol	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
91-20-3	Naphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
106-47-8	4-Chloroaniline	38.7	UQ	1	38.7	190	ug/Kg	11/17/25 20:07	PB170576
87-68-3	Hexachlorobutadiene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
105-60-2	Caprolactam	56.9	U	1	56.9	360	ug/Kg	11/17/25 20:07	PB170576
59-50-7	4-Chloro-3-methylphenol	31.3	U	1	31.3	190	ug/Kg	11/17/25 20:07	PB170576
91-57-6	2-Methylnaphthalene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 20:07	PB170576
88-06-2	2,4,6-Trichlorophenol	21.6	U	1	21.6	190	ug/Kg	11/17/25 20:07	PB170576
95-95-4	2,4,5-Trichlorophenol	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
92-52-4	1,1-Biphenyl	23.8	U	1	23.8	190	ug/Kg	11/17/25 20:07	PB170576
91-58-7	2-Chloronaphthalene	24.6	U	1	24.6	190	ug/Kg	11/17/25 20:07	PB170576
88-74-4	2-Nitroaniline	52.5	U	1	52.5	190	ug/Kg	11/17/25 20:07	PB170576
131-11-3	Dimethylphthalate	29.6	U	1	29.6	190	ug/Kg	11/17/25 20:07	PB170576
208-96-8	Acenaphthylene	31.6	U	1	31.6	190	ug/Kg	11/17/25 20:07	PB170576
606-20-2	2,6-Dinitrotoluene	36.7	U	1	36.7	190	ug/Kg	11/17/25 20:07	PB170576
99-09-2	3-Nitroaniline	50.2	UQ	1	50.2	190	ug/Kg	11/17/25 20:07	PB170576
83-32-9	Acenaphthene	23.3	U	1	23.3	190	ug/Kg	11/17/25 20:07	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 20:07	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 20:07	PB170576
132-64-9	Dibenzofuran	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
121-14-2	2,4-Dinitrotoluene	54.7	U	1	54.7	190	ug/Kg	11/17/25 20:07	PB170576
84-66-2	Diethylphthalate	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	1	29.2	190	ug/Kg	11/17/25 20:07	PB170576
86-73-7	Fluorene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
100-01-6	4-Nitroaniline	70.1	U	1	70.1	190	ug/Kg	11/17/25 20:07	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 20:07	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	35.9	U	1	35.9	190	ug/Kg	11/17/25 20:07	PB170576
101-55-3	4-Bromophenyl-phenylether	30.4	U	1	30.4	190	ug/Kg	11/17/25 20:07	PB170576
118-74-1	Hexachlorobenzene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
1912-24-9	Atrazine	37.1	U	1	37.1	190	ug/Kg	11/17/25 20:07	PB170576
87-86-5	Pentachlorophenol	56.0	U	1	56.0	360	ug/Kg	11/17/25 20:07	PB170576
85-01-8	Phenanthrene	22.8	U	1	22.8	190	ug/Kg	11/17/25 20:07	PB170576
120-12-7	Anthracene	36.4	U	1	36.4	190	ug/Kg	11/17/25 20:07	PB170576
86-74-8	Carbazole	34.1	U	1	34.1	190	ug/Kg	11/17/25 20:07	PB170576
84-74-2	Di-n-butylphthalate	52.3	U	1	52.3	190	ug/Kg	11/17/25 20:07	PB170576
206-44-0	Fluoranthene	32.8	U	1	32.8	190	ug/Kg	11/17/25 20:07	PB170576
129-00-0	Pyrene	39.3	U	1	39.3	190	ug/Kg	11/17/25 20:07	PB170576
85-68-7	Butylbenzylphthalate	78.0	U	1	78.0	190	ug/Kg	11/17/25 20:07	PB170576
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	1	40.1	360	ug/Kg	11/17/25 20:07	PB170576
56-55-3	Benzo(a)anthracene	25.1	U	1	25.1	190	ug/Kg	11/17/25 20:07	PB170576
218-01-9	Chrysene	21.7	U	1	21.7	190	ug/Kg	11/17/25 20:07	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	1	64.7	190	ug/Kg	11/17/25 20:07	PB170576
117-84-0	Di-n-octyl phthalate	94.8	U	1	94.8	360	ug/Kg	11/17/25 20:07	PB170576
205-99-2	Benzo(b)fluoranthene	20.8	U	1	20.8	190	ug/Kg	11/17/25 20:07	PB170576
207-08-9	Benzo(k)fluoranthene	24.5	U	1	24.5	190	ug/Kg	11/17/25 20:07	PB170576
50-32-8	Benzo(a)pyrene	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
53-70-3	Dibenzo(a,h)anthracene	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
191-24-2	Benzo(g,h,i)perylene	28.1	U	1	28.1	190	ug/Kg	11/17/25 20:07	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
123-91-1	1,4-Dioxane	49.4	U	1	49.4	190	ug/Kg	11/17/25 20:07	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	64.5			30 (10) - 130 (105)	43%	SPK: 150		
13127-88-3	Phenol-d6	63.1			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.4			30 (10) - 130 (108)	41%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.8			30 (10) - 130 (108)	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	66.3			30 (10) - 130 (116)	44%	SPK: 150		
1718-51-0	Terphenyl-d14	44.7			30 (10) - 130 (109)	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33200							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93400							
1517-22-2	Phenanthrene-d10	234000							
1719-03-5	Chrysene-d12	328000							
1520-96-3	Perylene-d12	336000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	100	J			16.1	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 22:09	PB170576
108-95-2	Phenol	25.6	U	1	25.6	200	ug/Kg	11/17/25 22:09	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.2	U	1	28.2	200	ug/Kg	11/17/25 22:09	PB170576
95-57-8	2-Chlorophenol	28.3	U	1	28.3	200	ug/Kg	11/17/25 22:09	PB170576
95-48-7	2-Methylphenol	34.7	U	1	34.7	200	ug/Kg	11/17/25 22:09	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.5	U	1	43.5	200	ug/Kg	11/17/25 22:09	PB170576
98-86-2	Acetophenone	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
65794-96-9	3+4-Methylphenols	47.7	U	1	47.7	380	ug/Kg	11/17/25 22:09	PB170576
621-64-7	n-Nitroso-di-n-propylamine	55.0	U	1	55.0	92.8	ug/Kg	11/17/25 22:09	PB170576
67-72-1	Hexachloroethane	20.4	U	1	20.4	200	ug/Kg	11/17/25 22:09	PB170576
98-95-3	Nitrobenzene	21.2	U	1	21.2	200	ug/Kg	11/17/25 22:09	PB170576
78-59-1	Isophorone	38.0	U	1	38.0	200	ug/Kg	11/17/25 22:09	PB170576
88-75-5	2-Nitrophenol	67.5	U	1	67.5	200	ug/Kg	11/17/25 22:09	PB170576
105-67-9	2,4-Dimethylphenol	75.1	U	1	75.1	200	ug/Kg	11/17/25 22:09	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	1	35.7	200	ug/Kg	11/17/25 22:09	PB170576
120-83-2	2,4-Dichlorophenol	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
91-20-3	Naphthalene	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
106-47-8	4-Chloroaniline	41.1	UQ	1	41.1	200	ug/Kg	11/17/25 22:09	PB170576
87-68-3	Hexachlorobutadiene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
105-60-2	Caprolactam	60.4	U	1	60.4	380	ug/Kg	11/17/25 22:09	PB170576
59-50-7	4-Chloro-3-methylphenol	33.3	U	1	33.3	200	ug/Kg	11/17/25 22:09	PB170576
91-57-6	2-Methylnaphthalene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 22:09	PB170576
88-06-2	2,4,6-Trichlorophenol	23.0	U	1	23.0	200	ug/Kg	11/17/25 22:09	PB170576
95-95-4	2,4,5-Trichlorophenol	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
92-52-4	1,1-Biphenyl	25.3	U	1	25.3	200	ug/Kg	11/17/25 22:09	PB170576
91-58-7	2-Chloronaphthalene	26.1	U	1	26.1	200	ug/Kg	11/17/25 22:09	PB170576
88-74-4	2-Nitroaniline	55.8	U	1	55.8	200	ug/Kg	11/17/25 22:09	PB170576
131-11-3	Dimethylphthalate	31.4	U	1	31.4	200	ug/Kg	11/17/25 22:09	PB170576
208-96-8	Acenaphthylene	33.5	U	1	33.5	200	ug/Kg	11/17/25 22:09	PB170576
606-20-2	2,6-Dinitrotoluene	39.0	U	1	39.0	200	ug/Kg	11/17/25 22:09	PB170576
99-09-2	3-Nitroaniline	53.3	UQ	1	53.3	200	ug/Kg	11/17/25 22:09	PB170576
83-32-9	Acenaphthene	24.7	U	1	24.7	200	ug/Kg	11/17/25 22:09	PB170576
51-28-5	2,4-Dinitrophenol	270	U	1	270	380	ug/Kg	11/17/25 22:09	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576
132-64-9	Dibenzofuran	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
121-14-2	2,4-Dinitrotoluene	58.1	U	1	58.1	200	ug/Kg	11/17/25 22:09	PB170576
84-66-2	Diethylphthalate	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	1	31.0	200	ug/Kg	11/17/25 22:09	PB170576
86-73-7	Fluorene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
100-01-6	4-Nitroaniline	74.5	U	1	74.5	200	ug/Kg	11/17/25 22:09	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.2	U	1	38.2	200	ug/Kg	11/17/25 22:09	PB170576
101-55-3	4-Bromophenyl-phenylether	32.2	U	1	32.2	200	ug/Kg	11/17/25 22:09	PB170576
118-74-1	Hexachlorobenzene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
1912-24-9	Atrazine	39.4	U	1	39.4	200	ug/Kg	11/17/25 22:09	PB170576
87-86-5	Pentachlorophenol	59.5	U	1	59.5	380	ug/Kg	11/17/25 22:09	PB170576
85-01-8	Phenanthrene	24.2	U	1	24.2	200	ug/Kg	11/17/25 22:09	PB170576
120-12-7	Anthracene	38.6	U	1	38.6	200	ug/Kg	11/17/25 22:09	PB170576
86-74-8	Carbazole	36.2	U	1	36.2	200	ug/Kg	11/17/25 22:09	PB170576
84-74-2	Di-n-butylphthalate	55.5	U	1	55.5	200	ug/Kg	11/17/25 22:09	PB170576
206-44-0	Fluoranthene	34.8	U	1	34.8	200	ug/Kg	11/17/25 22:09	PB170576
129-00-0	Pyrene	41.7	U	1	41.7	200	ug/Kg	11/17/25 22:09	PB170576
85-68-7	Butylbenzylphthalate	82.8	U	1	82.8	200	ug/Kg	11/17/25 22:09	PB170576
91-94-1	3,3-Dichlorobenzidine	42.6	UQ	1	42.6	380	ug/Kg	11/17/25 22:09	PB170576
56-55-3	Benzo(a)anthracene	26.7	U	1	26.7	200	ug/Kg	11/17/25 22:09	PB170576
218-01-9	Chrysene	23.1	U	1	23.1	200	ug/Kg	11/17/25 22:09	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	68.7	U	1	68.7	200	ug/Kg	11/17/25 22:09	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 22:09	PB170576
205-99-2	Benzo(b)fluoranthene	22.0	U	1	22.0	200	ug/Kg	11/17/25 22:09	PB170576
207-08-9	Benzo(k)fluoranthene	26.0	U	1	26.0	200	ug/Kg	11/17/25 22:09	PB170576
50-32-8	Benzo(a)pyrene	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
191-24-2	Benzo(g,h,i)perylene	29.8	U	1	29.8	200	ug/Kg	11/17/25 22:09	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
123-91-1	1,4-Dioxane	52.4	U	1	52.4	200	ug/Kg	11/17/25 22:09	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	121			30 (10) - 130 (105)	81%	SPK: 150		
13127-88-3	Phenol-d6	120			30 (10) - 130 (103)	80%	SPK: 150		
4165-60-0	Nitrobenzene-d5	77.8			30 (10) - 130 (108)	78%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.8			30 (10) - 130 (108)	78%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			30 (10) - 130 (116)	82%	SPK: 150		
1718-51-0	Terphenyl-d14	79.1			30 (10) - 130 (109)	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	36100							
1146-65-2	Naphthalene-d8	135000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	269000							
1719-03-5	Chrysene-d12	356000							
1520-96-3	Perylene-d12	358000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			16.1	ug/Kg		
000057-10-3	n-Hexadecanoic acid	200	J			18.4	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	180	J			19.9	ug/Kg		
959085-66-6	Heptadecyl heptafluorobutyrate	150	J			21.4	ug/Kg		
1000131-11-8	Z-5-Nonadecene	99.0	J			24.1	ug/Kg		

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

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

QC SUMMARY

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

SW-846

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170576BL	PB170576BL	2-Fluorophenol	150	125	83		30 (10)	130 (105)
		Phenol-d6	150	124	83		30 (10)	130 (103)
		Nitrobenzene-d5	100	89.2	89		30 (10)	130 (108)
		2-Fluorobiphenyl	100	84.9	85		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	142	94		30 (10)	130 (116)
		Terphenyl-d14	100	98.3	98		30 (10)	130 (109)
PB170576BS	PB170576BS	2-Fluorophenol	150	115	77		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	80.0	80		30 (10)	130 (108)
		2-Fluorobiphenyl	100	79.2	79		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	118	79		30 (10)	130 (116)
		Terphenyl-d14	100	82.5	82		30 (10)	130 (109)
Q3649-01	B5-0.0-0.5-20251114	2-Fluorophenol	150	62.0	41		30 (10)	130 (105)
		Phenol-d6	150	73.3	49		30 (10)	130 (103)
		Nitrobenzene-d5	100	47.5	47		30 (10)	130 (108)
		2-Fluorobiphenyl	100	50.5	51		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	37.2	25	*	30 (10)	130 (116)
		Terphenyl-d14	100	53.7	54		30 (10)	130 (109)
Q3649-03	DUPE-0.0-0.5-20251114	2-Fluorophenol	150	65.4	44		30 (10)	130 (105)
		Phenol-d6	150	63.5	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	45.2	45		30 (10)	130 (108)
		2-Fluorobiphenyl	100	48.3	48		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	58.0	39		30 (10)	130 (116)
		Terphenyl-d14	100	38.4	38		30 (10)	130 (109)
Q3649-06	B4-0.0-0.5-20251114	2-Fluorophenol	150	64.5	43		30 (10)	130 (105)
		Phenol-d6	150	63.1	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	41.4	41		30 (10)	130 (108)
		2-Fluorobiphenyl	100	42.8	43		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	66.3	44		30 (10)	130 (116)
		Terphenyl-d14	100	44.7	45		30 (10)	130 (109)
Q3649-08	B3-0.0-0.5-20251114	2-Fluorophenol	150	121	81		30 (10)	130 (105)
		Phenol-d6	150	120	80		30 (10)	130 (103)
		Nitrobenzene-d5	100	77.8	78		30 (10)	130 (108)
		2-Fluorobiphenyl	100	77.8	78		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	123	82		30 (10)	130 (116)
		Terphenyl-d14	100	79.1	79		30 (10)	130 (109)
Q3649-08MS	B3-0.0-0.5-20251114MS	2-Fluorophenol	150	111	74		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	72.6	73		30 (10)	130 (108)
		2-Fluorobiphenyl	100	71.8	72		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	111	74		30 (10)	130 (116)
		Terphenyl-d14	100	75.6	76		30 (10)	130 (109)
Q3649-08MSD	B3-0.0-0.5-20251114MSD	2-Fluorophenol	150	107	71		30 (10)	130 (105)
		Phenol-d6	150	111	74		30 (10)	130 (103)
		Nitrobenzene-d5	100	68.7	69		30 (10)	130 (108)
		2-Fluorobiphenyl	100	64.2	64		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	104	69		30 (10)	130 (116)
		Terphenyl-d14	100	72.2	72		30 (10)	130 (109)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3649-08MS		**Client Sample ID: B3-0.0-0.5-20251114MS**									
Benzaldehyde	1900	0	1300	ug/Kg	68				20 (20)	160 (111)	
Phenol	1900	0	2000	ug/Kg	105				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				70 (67)	130 (110)	
2-Chlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (119)	
2-Methylphenol	1900	0	1900	ug/Kg	100				70 (68)	130 (116)	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				70 (59)	130 (113)	
Acetophenone	1900	0	1800	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	1900	0	1900	ug/Kg	100				20 (70)	160 (111)	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				70 (59)	130 (119)	
Hexachloroethane	1900	0	1800	ug/Kg	95				20 (65)	160 (115)	
Nitrobenzene	1900	0	1800	ug/Kg	95				70 (66)	130 (120)	
Isophorone	1900	0	1800	ug/Kg	95				70 (67)	130 (113)	
2-Nitrophenol	1900	0	2000	ug/Kg	105				70 (69)	130 (135)	
2,4-Dimethylphenol	1900	0	1900	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1900	0	1900	ug/Kg	100				70 (70)	130 (112)	
2,4-Dichlorophenol	1900	0	2000	ug/Kg	105				70 (70)	130 (121)	
Naphthalene	1900	0	1800	ug/Kg	95				70 (66)	130 (113)	
4-Chloroaniline	1900	0	450	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1900	0	1700	ug/Kg	89				70 (67)	130 (118)	
Caprolactam	1900	0	1900	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105				70 (71)	130 (118)	
2-Methylnaphthalene	1900	0	1600	ug/Kg	84				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3900	0	3500	ug/Kg	90				20 (16)	160 (175)	
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (128)	
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (69)	130 (123)	
1,1-Biphenyl	1900	0	1900	ug/Kg	100				70 (69)	130 (126)	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				70 (71)	130 (113)	
2-Nitroaniline	1900	0	2000	ug/Kg	105				70 (73)	130 (125)	
Dimethylphthalate	1900	0	1800	ug/Kg	95				70 (72)	130 (116)	
Acenaphthylene	1900	0	1900	ug/Kg	100				70 (69)	130 (128)	
2,6-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (67)	130 (141)	
3-Nitroaniline	1900	0	810	ug/Kg	43	*			70 (28)	130 (102)	
Acenaphthene	1900	0	2100	ug/Kg	111				70 (70)	130 (121)	
2,4-Dinitrophenol	3900	0	3800	ug/Kg	97				20 (10)	160 (164)	
4-Nitrophenol	3900	0	4100	ug/Kg	105				20 (49)	160 (133)	
Dibenzofuran	1900	0	1800	ug/Kg	95				70 (71)	130 (111)	
2,4-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (73)	130 (130)	
Diethylphthalate	1900	0	1800	ug/Kg	95				70 (73)	130 (116)	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				70 (72)	130 (112)	
Fluorene	1900	0	1800	ug/Kg	95				70 (67)	130 (114)	
4-Nitroaniline	1900	0	1800	ug/Kg	95				70 (61)	130 (128)	
4,6-Dinitro-2-methylphenol	1900	0	2200	ug/Kg	116				70 (25)	130 (163)	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1900	0	1800	ug/Kg	95				70 (67)	130 (118)	
Atrazine	1900	0	1900	ug/Kg	100				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3900	ug/Kg	100				20 (39)	160 (145)	
Phenanthrene	1900	0	1900	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1900	0	1900	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1900	0	1900	ug/Kg	100				70 (73)	130 (115)	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				70 (72)	130 (129)	
Fluoranthene	1900	0	1800	ug/Kg	95				70 (31)	130 (152)	
Pyrene	1900	0	2000	ug/Kg	105				70 (37)	130 (122)	
Butylbenzylphthalate	1900	0	2000	ug/Kg	105				70 (59)	130 (151)	
3,3-Dichlorobenzidine	1900	0	770	ug/Kg	41	*			70 (10)	130 (116)	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				70 (53)	130 (119)	
Chrysene	1900	0	1800	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				70 (64)	130 (139)	
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100				70 (51)	130 (156)	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				70 (52)	130 (117)	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1900	0	1900	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1900	0	2000	ug/Kg	105				70 (48)	130 (129)	
Dibenz(a,h)anthracene	1900	0	2000	ug/Kg	105				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1900	0	2000	ug/Kg	105				70 (40)	130 (133)	
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95				70 (65)	130 (132)	
1,4-Dioxane	1900	0	1600	ug/Kg	84				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105				70 (56)	130 (141)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3649-08MSD		**Client Sample ID: B3-0.0-0.5-20251114MSD**									
Benzaldehyde	1900	0	1200	ug/Kg	63		8		20 (20)	160 (111)	30 (20)
Phenol	1900	0	1900	ug/Kg	100		5		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		7		70 (67)	130 (110)	30 (20)
2-Chlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	1900	0	1800	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		70 (59)	130 (113)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		7		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1900	0	1800	ug/Kg	95		5		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		7		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1700	ug/Kg	89		7		20 (65)	160 (115)	30 (20)
Nitrobenzene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (120)	30 (20)
Isophorone	1900	0	1700	ug/Kg	89		7		70 (67)	130 (113)	30 (20)
2-Nitrophenol	1900	0	1800	ug/Kg	95		10		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		12		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100		5		70 (70)	130 (121)	30 (20)
Naphthalene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (113)	30 (20)
4-Chloroaniline	1900	0	400	ug/Kg	21	*	13		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (16)
Caprolactam	1900	0	1800	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95		10		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	3100	ug/Kg	79		13		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		12		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		70 (71)	130 (113)	30 (20)
2-Nitroaniline	1900	0	1700	ug/Kg	89		16		70 (73)	130 (125)	30 (16)
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70 (72)	130 (116)	30 (20)
Acenaphthylene	1900	0	1700	ug/Kg	89		12		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	1900	0	770	ug/Kg	41	*	5		70 (28)	130 (102)	30 (20)
Acenaphthene	1900	0	1900	ug/Kg	100		10		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	3600	ug/Kg	92		5		20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		8		20 (49)	160 (133)	30 (20)
Dibenzofuran	1900	0	1700	ug/Kg	89		7		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		10		70 (73)	130 (130)	30 (20)
Diethylphthalate	1900	0	1700	ug/Kg	89		7		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		12		70 (72)	130 (112)	30 (20)
Fluorene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (114)	30 (20)
4-Nitroaniline	1900	0	1700	ug/Kg	89		7		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105		10		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89		12		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	1700	ug/Kg	89		12		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3900	0	3600	ug/Kg	92		8		20 (39)	160 (145)	30 (20)
Phenanthrene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		12		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1700	ug/Kg	89		12		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		12		70 (72)	130 (129)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		12		70 (31)	130 (152)	30 (20)
Pyrene	1900	0	1900	ug/Kg	100		5		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	1900	0	720	ug/Kg	38	*	8		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		70 (53)	130 (119)	30 (20)
Chrysene	1900	0	1700	ug/Kg	89		7		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		12		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		10		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95		10		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (65)	130 (132)	30 (20)
1,4-Dioxane	1900	0	1400	ug/Kg	74		13		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		5		70 (56)	130 (141)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170576BS	Benzaldehyde	1700	890	ug/Kg	52				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (105)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (75)	130 (100)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (75)	130 (113)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (61)	130 (130)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	830	ug/Kg	49		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (68)	130 (108)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (106)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (74)	130 (110)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (71)	130 (110)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (70)	130 (103)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (101)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (76)	130 (111)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (78)	130 (116)	
	3-Nitroaniline	1700	1000	ug/Kg	59		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (73)	130 (105)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (59)	160 (137)	
	4-Nitrophenol	3300	2300	ug/Kg	70				20 (60)	160 (124)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (78)	130 (115)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (104)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (73)	130 (101)	
	Fluorene	1700	1400	ug/Kg	82				70 (75)	130 (99)	
	4-Nitroaniline	1700	1300	ug/Kg	76				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170576BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1500	ug/Kg	88				70 (71)	130 (122)	
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (56)	160 (129)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (75)	130 (100)	
	Anthracene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	Carbazole	1700	1400	ug/Kg	82				70 (76)	130 (103)	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (73)	130 (105)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				70 (75)	130 (120)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (31)	130 (94)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (75)	130 (104)	
	Chrysene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				70 (77)	130 (113)	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (75)	130 (108)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (79)	130 (109)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (71)	130 (118)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170576BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: BF144264.D | Lab Sample ID: PB170576BL

Instrument ID: BNA_F | Date Extracted: 11/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/17/2025

Level: (low/med) LOW | Time Analyzed: 13:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170576BS	PB170576BS	BF144265.D	11/17/2025
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BF144262.D DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	16.2
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	BF144263.D	11/17/2025	12:52
PB170576BL	PB170576BL	BF144264.D	11/17/2025	13:21
PB170576BS	PB170576BS	BF144265.D	11/17/2025	13:52
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025	17:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BG064744.D DFTPP Injection Date: 11/12/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	25.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064745.D	11/12/2025	11:17
SSTDICC005	SSTDICC005	BG064746.D	11/12/2025	11:58
SSTDICC010	SSTDICC010	BG064747.D	11/12/2025	12:39
SSTDICC020	SSTDICC020	BG064748.D	11/12/2025	13:20
SSTDICCC040	SSTDICCC040	BG064749.D	11/12/2025	14:00
SSTDICC050	SSTDICC050	BG064750.D	11/12/2025	14:41
SSTDICC060	SSTDICC060	BG064751.D	11/12/2025	15:23
SSTDICC080	SSTDICC080	BG064752.D	11/12/2025	16:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BG064783.D DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.9) 1
69	Mass 69 relative abundance	23.3
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	6.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 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	BG064784.D	11/17/2025	13:23
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025	20:07
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025	21:28
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025	22:09
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025	22:50
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025	23:31

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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	51819	6.869	191465	8.15	106334	9.90
	UPPER LIMIT	103638	7.369	382930	8.651	212668	10.404
	LOWER LIMIT	25909.5	6.369	95732.5	7.651	53167	9.404
	EPA SAMPLE NO.						
01	PB170576BL	66285	6.86	255338	8.15	147126	9.90
02	PB170576BS	57508	6.87	224965	8.15	126893	9.91
03	DUPE-0.0-0.5-20251114	54942	6.87	197870	8.15	98301	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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	166797	11.398	104164	14.045	157386	15.527
	UPPER LIMIT	333594	11.898	208328	14.545	314772	16.027
	LOWER LIMIT	83398.5	10.898	52082	13.545	78693	15.027
	EPA SAMPLE NO.						
01	PB170576BL	272429	11.40	161260	14.05	184176	15.53
02	PB170576BS	214778	11.40	127678	14.05	154286	15.53
03	DUPE-0.0-0.5-20251114	159918	11.40	126617	14.05	116785	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39415	8.17	157593	10.98	128699	14.77
	UPPER LIMIT	78830	8.67	315186	11.484	257398	15.274
	LOWER LIMIT	19707.5	7.67	78796.5	10.484	64349.5	14.274
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	35573	8.16	134204	10.98	105983	14.77
02	B4-0.0-0.5-20251114	33180	8.17	121269	10.98	93445	14.78
03	B3-0.0-0.5-20251114	36122	8.16	135327	10.98	107446	14.77
04	B3-0.0-0.5-20251114MS	35648	8.17	137981	10.98	109267	14.77
05	B3-0.0-0.5-20251114MSD	39734	8.16	157606	10.98	130879	14.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	344592	17.506	431754	21.76	428890	25.021
	UPPER LIMIT	689184	18.006	863508	22.26	857780	25.521
	LOWER LIMIT	172296	17.006	215877	21.26	214445	24.521
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	261717	17.50	348460	21.75	360076	25.01
02	B4-0.0-0.5-20251114	234373	17.50	327722	21.75	336150	25.01
03	B3-0.0-0.5-20251114	269264	17.50	355916	21.75	358460	25.01
04	B3-0.0-0.5-20251114MS	264688	17.50	332562	21.76	341639	25.01
05	B3-0.0-0.5-20251114MSD	316710	17.50	371983	21.75	376972	25.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170576BL	SDG No.:	Q3649
Lab Sample ID:	PB170576BL	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/17/25 13:21	PB170576
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/17/25 13:21	PB170576
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/17/25 13:21	PB170576
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/17/25 13:21	PB170576
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/17/25 13:21	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/17/25 13:21	PB170576
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/17/25 13:21	PB170576
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	11/17/25 13:21	PB170576
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/17/25 13:21	PB170576
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/17/25 13:21	PB170576
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/17/25 13:21	PB170576
88-75-5	2-Nitrophenol	58.1	U	1	58.1	170	ug/Kg	11/17/25 13:21	PB170576
105-67-9	2,4-Dimethylphenol	64.7	U	1	64.7	170	ug/Kg	11/17/25 13:21	PB170576
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/17/25 13:21	PB170576
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/17/25 13:21	PB170576
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
105-60-2	Caprolactam	52.0	U	1	52.0	330	ug/Kg	11/17/25 13:21	PB170576
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/17/25 13:21	PB170576
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/17/25 13:21	PB170576
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/17/25 13:21	PB170576
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/17/25 13:21	PB170576
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/17/25 13:21	PB170576
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/17/25 13:21	PB170576
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/17/25 13:21	PB170576
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/17/25 13:21	PB170576
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/17/25 13:21	PB170576
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/17/25 13:21	PB170576
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/17/25 13:21	PB170576
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/17/25 13:21	PB170576
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/17/25 13:21	PB170576
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
121-14-2	2,4-Dinitrotoluene	50.0	U	1	50.0	170	ug/Kg	11/17/25 13:21	PB170576
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/17/25 13:21	PB170576
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
100-01-6	4-Nitroaniline	64.1	U	1	64.1	170	ug/Kg	11/17/25 13:21	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/17/25 13:21	PB170576

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170576BL	SDG No.:	Q3649
Lab Sample ID:	PB170576BL	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/17/25 13:21	PB170576
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/17/25 13:21	PB170576
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/17/25 13:21	PB170576
87-86-5	Pentachlorophenol	51.2	U	1	51.2	330	ug/Kg	11/17/25 13:21	PB170576
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/17/25 13:21	PB170576
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/17/25 13:21	PB170576
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/17/25 13:21	PB170576
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/17/25 13:21	PB170576
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/17/25 13:21	PB170576
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/17/25 13:21	PB170576
85-68-7	Butylbenzylphthalate	71.3	U	1	71.3	170	ug/Kg	11/17/25 13:21	PB170576
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/17/25 13:21	PB170576
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/17/25 13:21	PB170576
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/17/25 13:21	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	1	59.1	170	ug/Kg	11/17/25 13:21	PB170576
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	11/17/25 13:21	PB170576
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/17/25 13:21	PB170576
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/17/25 13:21	PB170576
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/17/25 13:21	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/17/25 13:21	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	125			30 (10) - 130 (105)	83%	SPK: 150		
13127-88-3	Phenol-d6	124			30 (10) - 130 (103)	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	89.2			30 (10) - 130 (108)	89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.9			30 (10) - 130 (108)	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	142			30 (10) - 130 (116)	94%	SPK: 150		
1718-51-0	Terphenyl-d14	98.3			30 (10) - 130 (109)	98%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	66300							
1146-65-2	Naphthalene-d8	255000							
15067-26-2	Acenaphthene-d10	147000							
1517-22-2	Phenanthrene-d10	272000							
1719-03-5	Chrysene-d12	161000							
1520-96-3	Perylene-d12	184000							
TENTATIVE IDENTIFIED COMPOUNDS									
000630-04-6	Hentriacontane	78.6	J			16.0	ug/Kg		
000630-01-3	Hexacosane	94.2	J			16.5	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
007098-22-8	Tetratetracontane	76.3	J			17.1	ug/Kg		
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	190	J			17.2	ug/Kg		
000629-99-2	Pentacosane	79.3	J			17.8	ug/Kg		

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

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

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	890		1	160	330	ug/Kg	11/17/25 13:52	PB170576
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	11/17/25 13:52	PB170576
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	11/17/25 13:52	PB170576
95-57-8	2-Chlorophenol	1400		1	24.4	170	ug/Kg	11/17/25 13:52	PB170576
95-48-7	2-Methylphenol	1400		1	29.9	170	ug/Kg	11/17/25 13:52	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	37.5	170	ug/Kg	11/17/25 13:52	PB170576
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	11/17/25 13:52	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	11/17/25 13:52	PB170576
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	11/17/25 13:52	PB170576
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	11/17/25 13:52	PB170576
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	11/17/25 13:52	PB170576
88-75-5	2-Nitrophenol	1400		1	58.2	170	ug/Kg	11/17/25 13:52	PB170576
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	11/17/25 13:52	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	11/17/25 13:52	PB170576
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
106-47-8	4-Chloroaniline	830		1	35.4	170	ug/Kg	11/17/25 13:52	PB170576
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	11/17/25 13:52	PB170576
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	11/17/25 13:52	PB170576
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
77-47-4	Hexachlorocyclopentadiene	2800	E	1	120	330	ug/Kg	11/17/25 13:52	PB170576
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	11/17/25 13:52	PB170576
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	11/17/25 13:52	PB170576
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	11/17/25 13:52	PB170576
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	11/17/25 13:52	PB170576
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	11/17/25 13:52	PB170576
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	11/17/25 13:52	PB170576
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	11/17/25 13:52	PB170576
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	11/17/25 13:52	PB170576
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	11/17/25 13:52	PB170576
51-28-5	2,4-Dinitrophenol	2500		1	230	330	ug/Kg	11/17/25 13:52	PB170576
100-02-7	4-Nitrophenol	2300		1	110	330	ug/Kg	11/17/25 13:52	PB170576
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	11/17/25 13:52	PB170576
84-66-2	Diethylphthalate	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	11/17/25 13:52	PB170576
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
100-01-6	4-Nitroaniline	1300		1	64.2	170	ug/Kg	11/17/25 13:52	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	330	ug/Kg	11/17/25 13:52	PB170576

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	11/17/25 13:52	PB170576
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/17/25 13:52	PB170576
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
1912-24-9	Atrazine	1500		1	34.0	170	ug/Kg	11/17/25 13:52	PB170576
87-86-5	Pentachlorophenol	2800	E	1	51.3	330	ug/Kg	11/17/25 13:52	PB170576
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	11/17/25 13:52	PB170576
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/17/25 13:52	PB170576
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	11/17/25 13:52	PB170576
84-74-2	Di-n-butylphthalate	1400		1	47.9	170	ug/Kg	11/17/25 13:52	PB170576
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/17/25 13:52	PB170576
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	11/17/25 13:52	PB170576
85-68-7	Butylbenzylphthalate	1400		1	71.4	170	ug/Kg	11/17/25 13:52	PB170576
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	11/17/25 13:52	PB170576
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	11/17/25 13:52	PB170576
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	11/17/25 13:52	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1300		1	59.2	170	ug/Kg	11/17/25 13:52	PB170576
117-84-0	Di-n-octyl phthalate	1400		1	86.7	330	ug/Kg	11/17/25 13:52	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	19.0	170	ug/Kg	11/17/25 13:52	PB170576
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	11/17/25 13:52	PB170576
50-32-8	Benzo(a)pyrene	1700		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	11/17/25 13:52	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
123-91-1	1,4-Dioxane	1200		1	45.2	170	ug/Kg	11/17/25 13:52	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	115			30 (10) - 130 (105)	77%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.0			30 (10) - 130 (108)	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.2			30 (10) - 130 (108)	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			30 (10) - 130 (116)	79%	SPK: 150		
1718-51-0	Terphenyl-d14	82.5			30 (10) - 130 (109)	82%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	57500							
1146-65-2	Naphthalene-d8	225000							
15067-26-2	Acenaphthene-d10	127000							
1517-22-2	Phenanthrene-d10	215000							
1719-03-5	Chrysene-d12	128000							
1520-96-3	Perylene-d12	154000							

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1300		1	180	380	ug/Kg	11/17/25 22:50	PB170576
108-95-2	Phenol	2000		1	25.7	200	ug/Kg	11/17/25 22:50	PB170576
111-44-4	bis(2-Chloroethyl)ether	1800		1	28.2	200	ug/Kg	11/17/25 22:50	PB170576
95-57-8	2-Chlorophenol	1900		1	28.3	200	ug/Kg	11/17/25 22:50	PB170576
95-48-7	2-Methylphenol	1900		1	34.7	200	ug/Kg	11/17/25 22:50	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	43.5	200	ug/Kg	11/17/25 22:50	PB170576
98-86-2	Acetophenone	1800		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
65794-96-9	3+4-Methylphenols	1900		1	47.7	380	ug/Kg	11/17/25 22:50	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1800		1	55.0	92.9	ug/Kg	11/17/25 22:50	PB170576
67-72-1	Hexachloroethane	1800		1	20.4	200	ug/Kg	11/17/25 22:50	PB170576
98-95-3	Nitrobenzene	1800		1	21.3	200	ug/Kg	11/17/25 22:50	PB170576
78-59-1	Isophorone	1800		1	38.1	200	ug/Kg	11/17/25 22:50	PB170576
88-75-5	2-Nitrophenol	2000		1	67.6	200	ug/Kg	11/17/25 22:50	PB170576
105-67-9	2,4-Dimethylphenol	1900		1	75.2	200	ug/Kg	11/17/25 22:50	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1900		1	35.8	200	ug/Kg	11/17/25 22:50	PB170576
120-83-2	2,4-Dichlorophenol	2000		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
91-20-3	Naphthalene	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
106-47-8	4-Chloroaniline	450		1	41.1	200	ug/Kg	11/17/25 22:50	PB170576
87-68-3	Hexachlorobutadiene	1700		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
105-60-2	Caprolactam	1900		1	60.5	380	ug/Kg	11/17/25 22:50	PB170576
59-50-7	4-Chloro-3-methylphenol	2000		1	33.3	200	ug/Kg	11/17/25 22:50	PB170576
91-57-6	2-Methylnaphthalene	1600		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
77-47-4	Hexachlorocyclopentadiene	3500	E	1	130	380	ug/Kg	11/17/25 22:50	PB170576
88-06-2	2,4,6-Trichlorophenol	1900		1	23.0	200	ug/Kg	11/17/25 22:50	PB170576
95-95-4	2,4,5-Trichlorophenol	1900		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
92-52-4	1,1-Biphenyl	1900		1	25.3	200	ug/Kg	11/17/25 22:50	PB170576
91-58-7	2-Chloronaphthalene	1800		1	26.1	200	ug/Kg	11/17/25 22:50	PB170576
88-74-4	2-Nitroaniline	2000		1	55.9	200	ug/Kg	11/17/25 22:50	PB170576
131-11-3	Dimethylphthalate	1800		1	31.5	200	ug/Kg	11/17/25 22:50	PB170576
208-96-8	Acenaphthylene	1900		1	33.6	200	ug/Kg	11/17/25 22:50	PB170576
606-20-2	2,6-Dinitrotoluene	2000		1	39.0	200	ug/Kg	11/17/25 22:50	PB170576
99-09-2	3-Nitroaniline	810		1	53.4	200	ug/Kg	11/17/25 22:50	PB170576
83-32-9	Acenaphthene	2100		1	24.7	200	ug/Kg	11/17/25 22:50	PB170576
51-28-5	2,4-Dinitrophenol	3800	E	1	270	380	ug/Kg	11/17/25 22:50	PB170576
100-02-7	4-Nitrophenol	4100	E	1	120	380	ug/Kg	11/17/25 22:50	PB170576
132-64-9	Dibenzofuran	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
121-14-2	2,4-Dinitrotoluene	2000		1	58.2	200	ug/Kg	11/17/25 22:50	PB170576
84-66-2	Diethylphthalate	1800		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1800		1	31.0	200	ug/Kg	11/17/25 22:50	PB170576
86-73-7	Fluorene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
100-01-6	4-Nitroaniline	1800		1	74.6	200	ug/Kg	11/17/25 22:50	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2200		1	120	380	ug/Kg	11/17/25 22:50	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	38.2	200	ug/Kg	11/17/25 22:50	PB170576
101-55-3	4-Bromophenyl-phenylether	1900		1	32.3	200	ug/Kg	11/17/25 22:50	PB170576
118-74-1	Hexachlorobenzene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
1912-24-9	Atrazine	1900		1	39.5	200	ug/Kg	11/17/25 22:50	PB170576
87-86-5	Pentachlorophenol	3900	E	1	59.6	380	ug/Kg	11/17/25 22:50	PB170576
85-01-8	Phenanthrene	1900		1	24.3	200	ug/Kg	11/17/25 22:50	PB170576
120-12-7	Anthracene	1900		1	38.7	200	ug/Kg	11/17/25 22:50	PB170576
86-74-8	Carbazole	1900		1	36.2	200	ug/Kg	11/17/25 22:50	PB170576
84-74-2	Di-n-butylphthalate	1900		1	55.6	200	ug/Kg	11/17/25 22:50	PB170576
206-44-0	Fluoranthene	1800		1	34.8	200	ug/Kg	11/17/25 22:50	PB170576
129-00-0	Pyrene	2000		1	41.8	200	ug/Kg	11/17/25 22:50	PB170576
85-68-7	Butylbenzylphthalate	2000		1	82.9	200	ug/Kg	11/17/25 22:50	PB170576
91-94-1	3,3-Dichlorobenzidine	770		1	42.6	380	ug/Kg	11/17/25 22:50	PB170576
56-55-3	Benzo(a)anthracene	1800		1	26.7	200	ug/Kg	11/17/25 22:50	PB170576
218-01-9	Chrysene	1800		1	23.1	200	ug/Kg	11/17/25 22:50	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1900		1	68.7	200	ug/Kg	11/17/25 22:50	PB170576
117-84-0	Di-n-octyl phthalate	1900		1	100	380	ug/Kg	11/17/25 22:50	PB170576
205-99-2	Benzo(b)fluoranthene	1900		1	22.1	200	ug/Kg	11/17/25 22:50	PB170576
207-08-9	Benzo(k)fluoranthene	1900		1	26.0	200	ug/Kg	11/17/25 22:50	PB170576
50-32-8	Benzo(a)pyrene	1900		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	2000		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
53-70-3	Dibenzo(a,h)anthracene	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
191-24-2	Benzo(g,h,i)perylene	2000		1	29.8	200	ug/Kg	11/17/25 22:50	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
123-91-1	1,4-Dioxane	1600		1	52.5	200	ug/Kg	11/17/25 22:50	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	111			30 (10) - 130 (105)	74%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	72.6			30 (10) - 130 (108)	73%	SPK: 100		
321-60-8	2-Fluorobiphenyl	71.8			30 (10) - 130 (108)	72%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	111			30 (10) - 130 (116)	74%	SPK: 150		
1718-51-0	Terphenyl-d14	75.6			30 (10) - 130 (109)	76%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	138000							
15067-26-2	Acenaphthene-d10	109000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	333000							
1520-96-3	Perylene-d12	342000							

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	180	380	ug/Kg	11/17/25 23:31	PB170576
108-95-2	Phenol	1900		1	25.7	200	ug/Kg	11/17/25 23:31	PB170576
111-44-4	bis(2-Chloroethyl)ether	1700		1	28.2	200	ug/Kg	11/17/25 23:31	PB170576
95-57-8	2-Chlorophenol	1800		1	28.4	200	ug/Kg	11/17/25 23:31	PB170576
95-48-7	2-Methylphenol	1800		1	34.7	200	ug/Kg	11/17/25 23:31	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1600		1	43.6	200	ug/Kg	11/17/25 23:31	PB170576
98-86-2	Acetophenone	1700		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
65794-96-9	3+4-Methylphenols	1800		1	47.8	380	ug/Kg	11/17/25 23:31	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1700		1	55.1	93.0	ug/Kg	11/17/25 23:31	PB170576
67-72-1	Hexachloroethane	1700		1	20.5	200	ug/Kg	11/17/25 23:31	PB170576
98-95-3	Nitrobenzene	1700		1	21.3	200	ug/Kg	11/17/25 23:31	PB170576
78-59-1	Isophorone	1700		1	38.1	200	ug/Kg	11/17/25 23:31	PB170576
88-75-5	2-Nitrophenol	1800		1	67.6	200	ug/Kg	11/17/25 23:31	PB170576
105-67-9	2,4-Dimethylphenol	1800		1	75.3	200	ug/Kg	11/17/25 23:31	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1700		1	35.8	200	ug/Kg	11/17/25 23:31	PB170576
120-83-2	2,4-Dichlorophenol	1900		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
91-20-3	Naphthalene	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
106-47-8	4-Chloroaniline	400		1	41.1	200	ug/Kg	11/17/25 23:31	PB170576
87-68-3	Hexachlorobutadiene	1600		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
105-60-2	Caprolactam	1800		1	60.5	380	ug/Kg	11/17/25 23:31	PB170576
59-50-7	4-Chloro-3-methylphenol	1800		1	33.3	200	ug/Kg	11/17/25 23:31	PB170576
91-57-6	2-Methylnaphthalene	1500		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
77-47-4	Hexachlorocyclopentadiene	3100	E	1	130	380	ug/Kg	11/17/25 23:31	PB170576
88-06-2	2,4,6-Trichlorophenol	1800		1	23.0	200	ug/Kg	11/17/25 23:31	PB170576
95-95-4	2,4,5-Trichlorophenol	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
92-52-4	1,1-Biphenyl	1700		1	25.3	200	ug/Kg	11/17/25 23:31	PB170576
91-58-7	2-Chloronaphthalene	1700		1	26.1	200	ug/Kg	11/17/25 23:31	PB170576
88-74-4	2-Nitroaniline	1700		1	55.9	200	ug/Kg	11/17/25 23:31	PB170576
131-11-3	Dimethylphthalate	1700		1	31.5	200	ug/Kg	11/17/25 23:31	PB170576
208-96-8	Acenaphthylene	1700		1	33.6	200	ug/Kg	11/17/25 23:31	PB170576
606-20-2	2,6-Dinitrotoluene	1900		1	39.0	200	ug/Kg	11/17/25 23:31	PB170576
99-09-2	3-Nitroaniline	770		1	53.5	200	ug/Kg	11/17/25 23:31	PB170576
83-32-9	Acenaphthene	1900		1	24.8	200	ug/Kg	11/17/25 23:31	PB170576
51-28-5	2,4-Dinitrophenol	3600	E	1	270	380	ug/Kg	11/17/25 23:31	PB170576
100-02-7	4-Nitrophenol	3800	E	1	120	380	ug/Kg	11/17/25 23:31	PB170576
132-64-9	Dibenzofuran	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
121-14-2	2,4-Dinitrotoluene	1800		1	58.2	200	ug/Kg	11/17/25 23:31	PB170576
84-66-2	Diethylphthalate	1700		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1600		1	31.0	200	ug/Kg	11/17/25 23:31	PB170576
86-73-7	Fluorene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
100-01-6	4-Nitroaniline	1700		1	74.6	200	ug/Kg	11/17/25 23:31	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2000		1	120	380	ug/Kg	11/17/25 23:31	PB170576

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1800		1	38.2	200	ug/Kg	11/17/25 23:31	PB170576
101-55-3	4-Bromophenyl-phenylether	1700		1	32.3	200	ug/Kg	11/17/25 23:31	PB170576
118-74-1	Hexachlorobenzene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
1912-24-9	Atrazine	1700		1	39.5	200	ug/Kg	11/17/25 23:31	PB170576
87-86-5	Pentachlorophenol	3600	E	1	59.6	380	ug/Kg	11/17/25 23:31	PB170576
85-01-8	Phenanthrene	1700		1	24.3	200	ug/Kg	11/17/25 23:31	PB170576
120-12-7	Anthracene	1700		1	38.7	200	ug/Kg	11/17/25 23:31	PB170576
86-74-8	Carbazole	1700		1	36.3	200	ug/Kg	11/17/25 23:31	PB170576
84-74-2	Di-n-butylphthalate	1700		1	55.7	200	ug/Kg	11/17/25 23:31	PB170576
206-44-0	Fluoranthene	1600		1	34.9	200	ug/Kg	11/17/25 23:31	PB170576
129-00-0	Pyrene	1900		1	41.8	200	ug/Kg	11/17/25 23:31	PB170576
85-68-7	Butylbenzylphthalate	1800		1	83.0	200	ug/Kg	11/17/25 23:31	PB170576
91-94-1	3,3-Dichlorobenzidine	720		1	42.6	380	ug/Kg	11/17/25 23:31	PB170576
56-55-3	Benzo(a)anthracene	1700		1	26.7	200	ug/Kg	11/17/25 23:31	PB170576
218-01-9	Chrysene	1700		1	23.1	200	ug/Kg	11/17/25 23:31	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	68.8	200	ug/Kg	11/17/25 23:31	PB170576
117-84-0	Di-n-octyl phthalate	1700		1	100	380	ug/Kg	11/17/25 23:31	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	22.1	200	ug/Kg	11/17/25 23:31	PB170576
207-08-9	Benzo(k)fluoranthene	1700		1	26.0	200	ug/Kg	11/17/25 23:31	PB170576
50-32-8	Benzo(a)pyrene	1800		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
53-70-3	Dibenzo(a,h)anthracene	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
191-24-2	Benzo(g,h,i)perylene	1800		1	29.9	200	ug/Kg	11/17/25 23:31	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
123-91-1	1,4-Dioxane	1400		1	52.5	200	ug/Kg	11/17/25 23:31	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	107			30 (10) - 130 (105)	71%	SPK: 150		
13127-88-3	Phenol-d6	111			30 (10) - 130 (103)	74%	SPK: 150		
4165-60-0	Nitrobenzene-d5	68.7			30 (10) - 130 (108)	69%	SPK: 100		
321-60-8	2-Fluorobiphenyl	64.2			30 (10) - 130 (108)	64%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	104			30 (10) - 130 (116)	69%	SPK: 150		
1718-51-0	Terphenyl-d14	72.2			30 (10) - 130 (109)	72%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39700							
1146-65-2	Naphthalene-d8	158000							
15067-26-2	Acenaphthene-d10	131000							
1517-22-2	Phenanthrene-d10	317000							
1719-03-5	Chrysene-d12	372000							
1520-96-3	Perylene-d12	377000							

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)		Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)		n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5)	S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)		Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7)	S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)		2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)		Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10)	C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)		bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)		1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13)	C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)		1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)		Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)		2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)		2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)		Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23)	S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)		Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)		Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26)	C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)		2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)		bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29)	C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)		1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)		Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)		Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)		4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34)	C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)		Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36)	C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)		2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)		1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)		Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)		Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90)	C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)		Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)		Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064745.D 5 =BG064746.D 10 =BG064747.D 20 =BG064748.D 40 =BG064749.D 50 =BG064750.D 60 =BG064751.D 80 =BG0647
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.420	0.422	0.443	3.90
3)		Pyridine		1.269	1.297	1.315	1.365	1.355	1.344	1.303	1.321	2.62
4)		n-Nitrosodimet...			0.657	0.664	0.687	0.690	0.672	0.665	0.672	1.95
5)	S	2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.151	1.140	1.145	2.85
6)		Aniline		1.783	2.001	2.105	2.109	2.125	2.034	2.057	2.030	5.82
7)	S	Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.535	1.540	1.523	4.95
8)		2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.225	1.261	1.258	3.36
9)		Benzaldehyde			1.027	0.980	1.029	0.949	1.004	0.994	0.997	3.01
10)	C	Phenol		1.501	1.584	1.666	1.711	1.774	1.669	1.698	1.657	5.40
11)		bis(2-Chloroet...		1.093	1.141	1.224	1.234	1.224	1.164	1.176	1.179	4.39
12)		1,3-Dichlorobe...		1.410	1.423	1.487	1.492	1.467	1.412	1.440	1.447	2.38
13)	C	1,4-Dichlorobe...		1.434	1.461	1.529	1.501	1.485	1.448	1.456	1.474	2.26
14)		1,2-Dichlorobe...		1.416	1.371	1.444	1.475	1.447	1.429	1.419	1.429	2.27
15)		Benzyl Alcohol			1.055	1.229	1.305	1.338	1.276	1.300	1.250	8.18
16)		2,2'-oxybis(1-...		2.713	2.796	2.959	2.834	2.861	2.687	2.692	2.792	3.63
17)		2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.156	1.185	1.173	4.61
18)		Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.541	0.548	0.558	2.76
19)	P	n-Nitroso-di-n...	0.924	0.875	1.015	1.116	1.097	1.138	1.036	1.039	1.030	8.93
20)		3+4-Methylphenols			1.480	1.628	1.649	1.670	1.602	1.610	1.607	4.14
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.465	0.536	0.581	0.561	0.555	0.547	0.571	0.545	7.02
23)	S	Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.411	0.433	0.405	5.47
24)		Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.415	0.432	0.409	6.62
25)		Isophorone		0.723	0.760	0.796	0.767	0.785	0.777	0.784	0.770	3.13
26)	C	2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.197	0.206	0.184	13.12
27)		2,4-Dimethylph...		0.309	0.301	0.336	0.331	0.334	0.336	0.338	0.327	4.55
28)		bis(2-Chloroet...		0.383	0.419	0.444	0.425	0.432	0.423	0.435	0.423	4.63
29)	C	2,4-Dichloroph...		0.283	0.331	0.367	0.364	0.371	0.365	0.373	0.351	9.39
30)		1,2,4-Trichlor...		0.408	0.417	0.443	0.424	0.418	0.419	0.435	0.423	2.83
31)		Naphthalene		1.076	1.163	1.170	1.141	1.123	1.120	1.145	1.134	2.79
32)		Benzoic acid			0.135	0.166	0.204	0.221	0.255	0.248	0.205	22.85
33)		4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.466	0.479	0.454	9.61
34)	C	Hexachlorobuta...		0.365	0.353	0.370	0.366	0.358	0.357	0.374	0.363	2.14
35)		Caprolactam			0.090	0.104	0.103	0.114	0.107	0.111	0.105	8.03
36)	C	4-Chloro-3-met...		0.348	0.388	0.399	0.390	0.402	0.402	0.404	0.390	5.07
37)		2-Methylnaphth...		0.820	0.842	0.902	0.844	0.850	0.835	0.846	0.848	3.03
38)		1-Methylnaphth...		0.844	0.841	0.880	0.834	0.835	0.820	0.845	0.843	2.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.756	0.746	0.811	0.782	0.759	0.789	0.806	0.778	3.25
41)	P	Hexachlorocycl...		0.478	0.547	0.560	0.557	0.592	0.612	0.558	8.28
42)	S	2,4,6-Tribromo...	0.346	0.384	0.410	0.386	0.398	0.403	0.404	0.390	5.53
43)	C	2,4,6-Trichlor...	0.386	0.432	0.472	0.465	0.474	0.481	0.487	0.457	7.90
44)		2,4,5-Trichlor...	0.467	0.460	0.546	0.521	0.520	0.531	0.543	0.512	6.82
45)	S	2-Fluorobiphenyl	1.403	1.445	1.509	1.420	1.400	1.434	1.422	1.433	2.58
46)		1,1'-Biphenyl	1.416	1.417	1.498	1.428	1.405	1.441	1.449	1.436	2.17
47)		2-Chloronaphth...	1.124	1.112	1.167	1.120	1.116	1.138	1.146	1.132	1.74
48)		2-Nitroaniline	0.291	0.345	0.373	0.371	0.383	0.391	0.394	0.364	9.94
49)		Acenaphthylene	1.839	1.928	1.996	1.930	1.932	1.967	1.942	1.933	2.51
50)		Dimethylphthalate	1.535	1.569	1.654	1.549	1.580	1.592	1.581	1.580	2.42
51)		2,6-Dinitrotol...	0.265	0.281	0.313	0.305	0.317	0.322	0.325	0.304	7.36
52)	C	Acenaphthene	1.072	1.104	1.169	1.166	1.177	1.213	1.212	1.159	4.56
53)		3-Nitroaniline	0.247	0.277	0.301	0.306	0.320	0.326	0.323	0.300	9.57
54)	P	2,4-Dinitrophenol		0.060	0.114	0.169	0.189	0.198	0.221	0.158	38.04
55)		Dibenzofuran	1.897	1.991	1.994	1.867	1.892	1.889	1.885	1.916	2.75
56)	P	4-Nitrophenol		0.181	0.224	0.241	0.257	0.261	0.264	0.238	13.24
57)		2,4-Dinitrotol...	0.376	0.426	0.477	0.462	0.472	0.489	0.489	0.456	9.08
58)		Fluorene	1.481	1.569	1.595	1.471	1.462	1.475	1.469	1.503	3.65
59)		2,3,4,6-Tetrac...	0.418	0.480	0.521	0.501	0.536	0.543	0.539	0.506	8.85
60)		Diethylphthalate	1.443	1.521	1.585	1.492	1.532	1.520	1.501	1.513	2.84
61)		4-Chlorophenyl...	0.892	0.927	0.940	0.880	0.882	0.894	0.899	0.902	2.53
62)		4-Nitroaniline	0.245	0.288	0.318	0.320	0.335	0.335	0.334	0.311	10.71
63)		Azobenzene	1.244	1.292	1.309	1.235	1.250	1.255	1.227	1.259	2.40
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.099	0.117	0.121	0.126	0.131	0.111	19.44
66)	c	n-Nitrosodiphe...	0.483	0.531	0.544	0.538	0.519	0.528	0.524	0.524	3.79
67)		4-Bromophenyl-...	0.241	0.263	0.269	0.269	0.259	0.269	0.267	0.263	3.86
68)		Hexachlorobenzene	0.312	0.312	0.326	0.320	0.318	0.317	0.323	0.318	1.67
69)		Atrazine	0.245	0.251	0.257	0.253	0.254	0.253	0.256	0.253	1.53
70)	C	Pentachlorophenol		0.088	0.138	0.160	0.177	0.187	0.193	0.157	24.85
71)		Phenanthrene	1.075	1.118	1.123	1.099	1.081	1.090	1.074	1.094	1.84
72)		Anthracene	1.098	1.122	1.152	1.113	1.099	1.113	1.114	1.116	1.62
73)		Carbazole	0.926	0.987	0.982	0.971	0.944	0.955	0.950	0.959	2.27
74)		Di-n-butylphth...	0.998	1.107	1.105	1.077	1.076	1.070	1.059	1.070	3.41
75)	C	Fluoranthene	1.508	1.558	1.531	1.494	1.461	1.475	1.448	1.496	2.61
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.674	0.631	0.561	0.618	0.552	0.557	0.599	8.29
78)		Pyrene	1.076	1.089	1.145	1.111	1.164	1.136	1.125	1.121	2.78
79)	S	Terphenyl-d14	1.018	1.028	1.060	1.012	1.040	0.993	0.967	1.017	3.01
80)		Butylbenzylpht...	0.377	0.391	0.402	0.391	0.404	0.397	0.398	0.394	2.37
81)		Benzo(a)anthra...	1.338	1.371	1.395	1.379	1.357	1.334	1.346	1.360	1.66
82)		3,3'-Dichlorob...		0.501	0.518	0.517	0.507	0.479	0.481	0.501	3.35
83)		Chrysene	1.266	1.292	1.301	1.309	1.267	1.275	1.264	1.282	1.44
84)		Bis(2-ethylhex...	0.582	0.581	0.598	0.583	0.571	0.564	0.553	0.576	2.54
85)	c	Di-n-octyl pht...		0.993	1.026	1.038	0.983	0.974	0.962	0.996	2.99

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.262	1.324	1.388	1.399	1.404	1.404	1.438	1.374	4.38
88)		Benzo(b)fluora...	1.190	1.250	1.299	1.291	1.279	1.304	1.296	1.273	3.21
89)		Benzo(k)fluora...	1.245	1.296	1.321	1.249	1.279	1.256	1.305	1.279	2.32
90)	C	Benzo(a)pyrene	1.131	1.176	1.197	1.191	1.182	1.189	1.199	1.181	1.99
91)		Dibenzo(a,h)an...	1.026	1.092	1.128	1.151	1.155	1.147	1.180	1.126	4.60
92)		Benzo(g,h,i)pe...	1.000	1.044	1.091	1.105	1.108	1.104	1.131	1.083	4.19

(#) = 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: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.288		0.8	
Benzaldehyde	0.818	0.948		15.9	
Phenol-d6	1.448	1.397		-3.5	
Phenol	1.769	1.747		-1.2	20.0
bis(2-Chloroethyl)ether	1.289	1.229		-4.7	
2-Chlorophenol	1.253	1.228		-2.0	
2-Methylphenol	0.997	0.962		-3.5	
2,2-oxybis(1-Chloropropane)	2.374	2.236		-5.8	
Acetophenone	0.429	0.417		-2.8	
3+4-Methylphenols	1.175	1.137		-3.2	
n-Nitroso-di-n-propylamine	0.953	0.882	0.050	-7.4	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.497		-3.5	
Nitrobenzene	0.376	0.369		-1.9	
Isophorone	0.655	0.616		-6.0	
2-Nitrophenol	0.186	0.190		2.2	20.0
2,4-Dimethylphenol	0.279	0.283		1.4	
bis(2-Chloroethoxy)methane	0.409	0.399		-2.4	
2,4-Dichlorophenol	0.322	0.319		-0.9	20.0
Naphthalene	0.951	0.934		-1.8	
4-Chloroaniline	0.347	0.342		-1.4	
Hexachlorobutadiene	0.249	0.240		-3.6	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.284		-1.4	20.0
2-Methylnaphthalene	0.636	0.625		-1.7	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.446	0.429		-3.8	20.0
2-Fluorobiphenyl	1.354	1.309		-3.3	
2,4,5-Trichlorophenol	0.481	0.462		-4.0	
1,1-Biphenyl	1.396	1.346		-3.6	
2-Chloronaphthalene	1.191	1.146		-3.8	
2-Nitroaniline	0.344	0.335		-2.6	
Dimethylphthalate	1.325	1.232		-7.0	
Acenaphthylene	1.623	1.574		-3.0	
2,6-Dinitrotoluene	0.268	0.259		-3.4	
3-Nitroaniline	0.293	0.276		-5.8	
Acenaphthene	1.085	1.050		-3.2	20.0
2,4-Dinitrophenol	0.162	0.177	0.050	9.3	
4-Nitrophenol	0.212	0.194	0.050	-8.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.452		-4.5	
2,4-Dinitrotoluene	0.359	0.334		-7.0	
Diethylphthalate	1.221	1.093		-10.5	
4-Chlorophenyl-phenylether	0.658	0.610		-7.3	
Fluorene	1.156	1.102		-4.7	
4-Nitroaniline	0.279	0.248		-11.1	
4,6-Dinitro-2-methylphenol	0.136	0.112		-17.6	
n-Nitrosodiphenylamine	0.643	0.657		2.2	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.291		-3.3	
Atrazine	0.205	0.175		-14.6	
Pentachlorophenol	0.150	0.159		6.0	20.0
Phenanthrene	0.996	0.975		-2.1	
Anthracene	1.013	0.968		-4.4	
Carbazole	0.861	0.794		-7.8	
Di-n-butylphthalate	1.041	0.882		-15.3	
Fluoranthene	1.029	0.909		-11.7	20.0
Pyrene	1.613	1.489		-7.7	
Terphenyl-d14	1.259	1.128		-10.4	
Butylbenzylphthalate	0.559	0.482		-13.8	
3,3-Dichlorobenzidine	0.475	0.503		5.9	
Benzo(a)anthracene	1.386	1.430		3.2	
Chrysene	1.280	1.212		-5.3	
Bis(2-ethylhexyl)phthalate	0.765	0.635		-17.0	
Di-n-octyl phthalate	1.320	1.270		-3.8	20.0
Benzo(b)fluoranthene	1.137	1.167		2.6	
Benzo(k)fluoranthene	1.064	0.913		-14.2	
Benzo(a)pyrene	1.049	1.003		-4.4	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.372		-4.5	
Dibenzo(a,h)anthracene	1.153	1.095		-5.0	
Benzo(g,h,i)perylene	1.139	1.078		-5.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.638		-2.6	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.171		2.3	
Benzaldehyde	0.997	0.958		-3.9	
Phenol-d6	1.523	1.626		6.8	
Phenol	1.657	1.757		6.0	20.0
bis(2-Chloroethyl)ether	1.179	1.221		3.6	
2-Chlorophenol	1.258	1.329		5.6	
2-Methylphenol	1.173	1.235		5.3	
2,2-oxybis(1-Chloropropane)	2.792	2.755		-1.3	
Acetophenone	0.545	0.564		3.5	
3+4-Methylphenols	1.607	1.688		5.0	
n-Nitroso-di-n-propylamine	1.030	1.098	0.050	6.6	
Nitrobenzene-d5	0.405	0.419		3.5	
Hexachloroethane	0.558	0.554		-0.7	
Nitrobenzene	0.409	0.429		4.9	
Isophorone	0.770	0.777		0.9	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.327	0.342		4.6	
bis(2-Chloroethoxy)methane	0.423	0.446		5.4	
2,4-Dichlorophenol	0.351	0.375		6.8	20.0
Naphthalene	1.134	1.150		1.4	
4-Chloroaniline	0.454	0.480		5.7	
Hexachlorobutadiene	0.363	0.356		-1.9	20.0
Caprolactam	0.105	0.116		10.5	
4-Chloro-3-methylphenol	0.390	0.410		5.1	20.0
2-Methylnaphthalene	0.848	0.857		1.1	
Hexachlorocyclopentadiene	0.558	0.514	0.050	-7.9	
2,4,6-Trichlorophenol	0.457	0.473		3.5	20.0
2-Fluorobiphenyl	1.433	1.411		-1.5	
2,4,5-Trichlorophenol	0.512	0.536		4.7	
1,1-Biphenyl	1.436	1.424		-0.8	
2-Chloronaphthalene	1.132	1.136		0.4	
2-Nitroaniline	0.364	0.392		7.7	
Dimethylphthalate	1.580	1.594		0.9	
Acenaphthylene	1.933	1.969		1.9	
2,6-Dinitrotoluene	0.304	0.322		5.9	
3-Nitroaniline	0.300	0.334		11.3	
Acenaphthene	1.159	1.215		4.8	20.0
2,4-Dinitrophenol	0.158	0.188	0.050	19.0	
4-Nitrophenol	0.238	0.275	0.050	15.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.916	1.950		1.8	
2,4-Dinitrotoluene	0.456	0.508		11.4	
Diethylphthalate	1.513	1.563		3.3	
4-Chlorophenyl-phenylether	0.902	0.910		0.9	
Fluorene	1.503	1.520		1.1	
4-Nitroaniline	0.311	0.352		13.2	
4,6-Dinitro-2-methylphenol	0.111	0.119		7.2	
n-Nitrosodiphenylamine	0.524	0.519		-1.0	20.0
2,4,6-Tribromophenol	0.390	0.407		4.4	
4-Bromophenyl-phenylether	0.263	0.254		-3.4	
Hexachlorobenzene	0.318	0.306		-3.8	
Atrazine	0.253	0.248		-2.0	
Pentachlorophenol	0.157	0.178		13.4	20.0
Phenanthrene	1.094	1.079		-1.4	
Anthracene	1.116	1.114		-0.2	
Carbazole	0.959	0.965		0.6	
Di-n-butylphthalate	1.070	1.054		-1.5	
Fluoranthene	1.496	1.468		-1.9	20.0
Pyrene	1.121	1.199		7.0	
Terphenyl-d14	1.017	1.055		3.7	
Butylbenzylphthalate	0.394	0.412		4.6	
3,3-Dichlorobenzidine	0.501	0.464		-7.4	
Benzo(a)anthracene	1.360	1.351		-0.7	
Chrysene	1.282	1.288		0.5	
Bis(2-ethylhexyl)phthalate	0.576	0.568		-1.4	
Di-n-octyl phthalate	0.996	0.953		-4.3	20.0
Benzo(b)fluoranthene	1.273	1.244		-2.3	
Benzo(k)fluoranthene	1.279	1.279		0.0	
Benzo(a)pyrene	1.181	1.179		-0.2	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.407		2.4	
Dibenzo(a,h)anthracene	1.126	1.153		2.4	
Benzo(g,h,i)perylene	1.083	1.120		3.4	
1,2,4,5-Tetrachlorobenzene	0.778	0.767		-1.4	
1,4-Dioxane	0.443	0.432		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.506	0.543		7.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

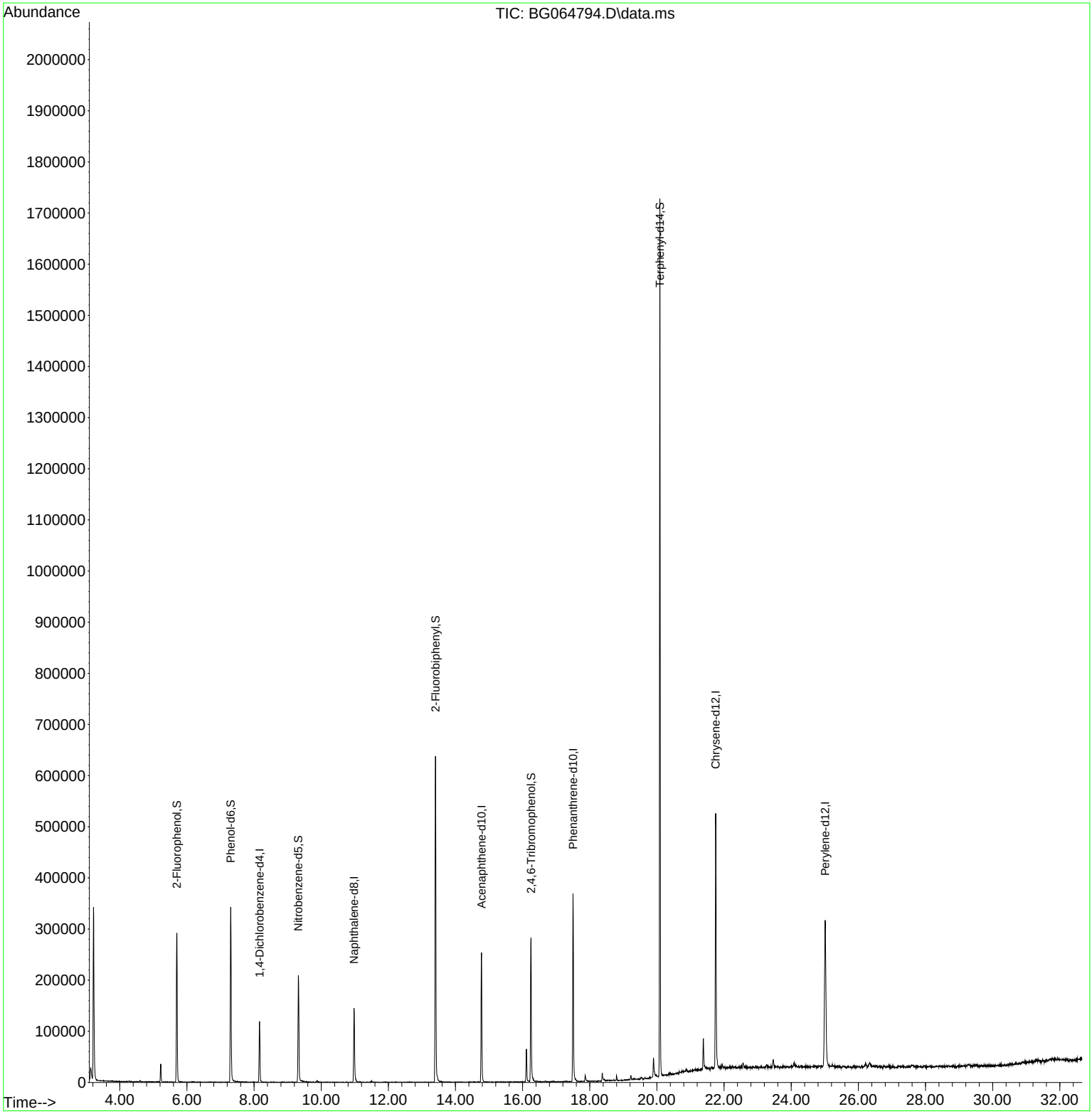
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	35573	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	134204	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	105983	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	261717	20.000	ng	0.00
76) Chrysene-d12	21.749	240	348460	20.000	ng	0.00
86) Perylene-d12	25.009	264	360076	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	126212	61.955	ng	0.00
7) Phenol-d6	7.307	99	198726	73.344	ng	0.00
23) Nitrobenzene-d5	9.322	82	128818	47.459	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	76928	37.217	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	383889	50.542	ng	0.00
79) Terphenyl-d14	20.086	244	951230	53.698	ng	0.00
Target Compounds						Qvalue

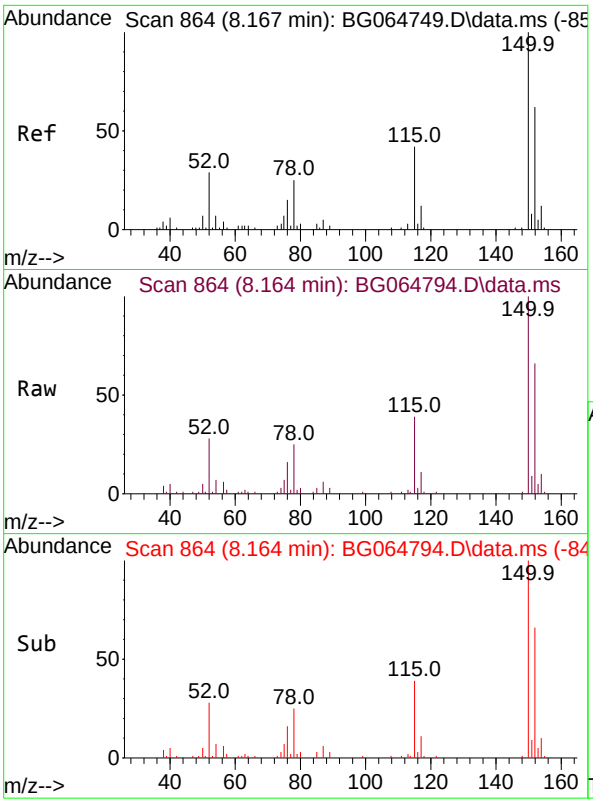
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



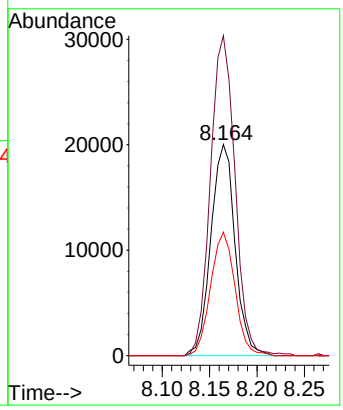


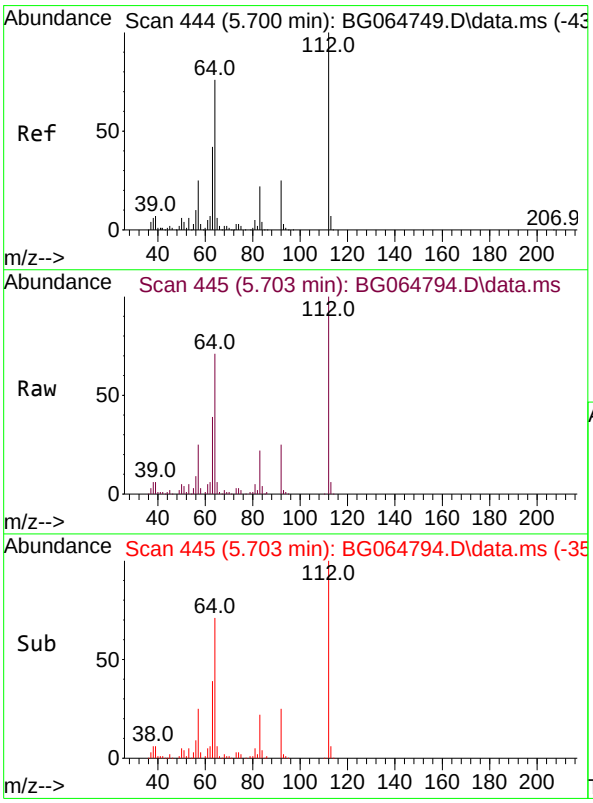
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:152 Resp: 35573

Ion	Ratio	Lower	Upper
152	100		
150	151.6	129.2	193.8
115	58.5	53.7	80.5

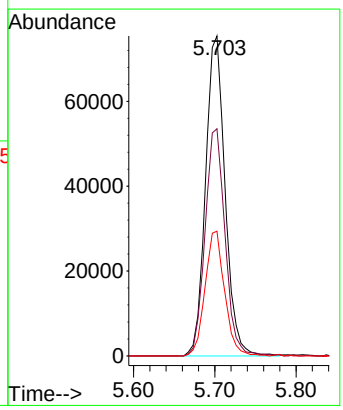


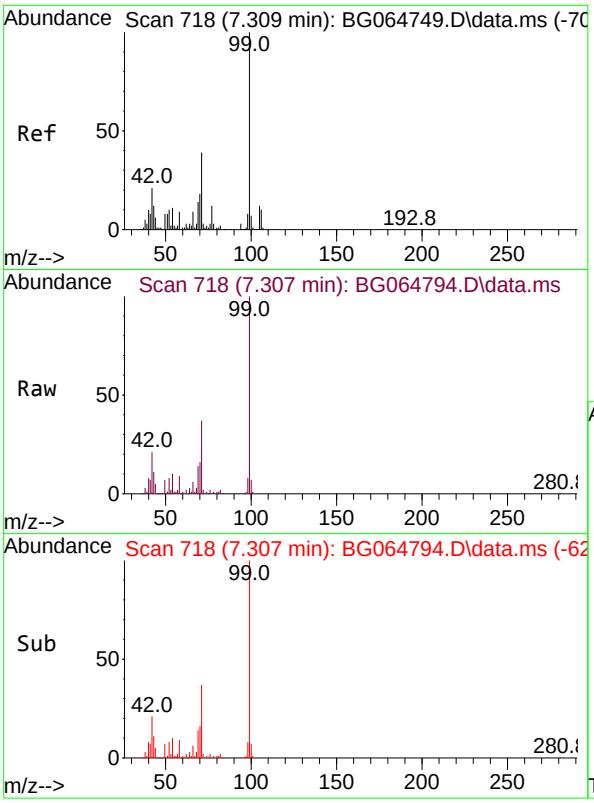


#5
2-Fluorophenol
Concen: 61.955 ng
RT: 5.703 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:112 Resp: 126212

Ion	Ratio	Lower	Upper
112	100		
64	71.0	61.0	91.4
63	39.0	33.3	49.9



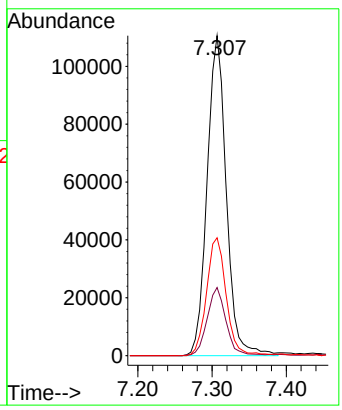


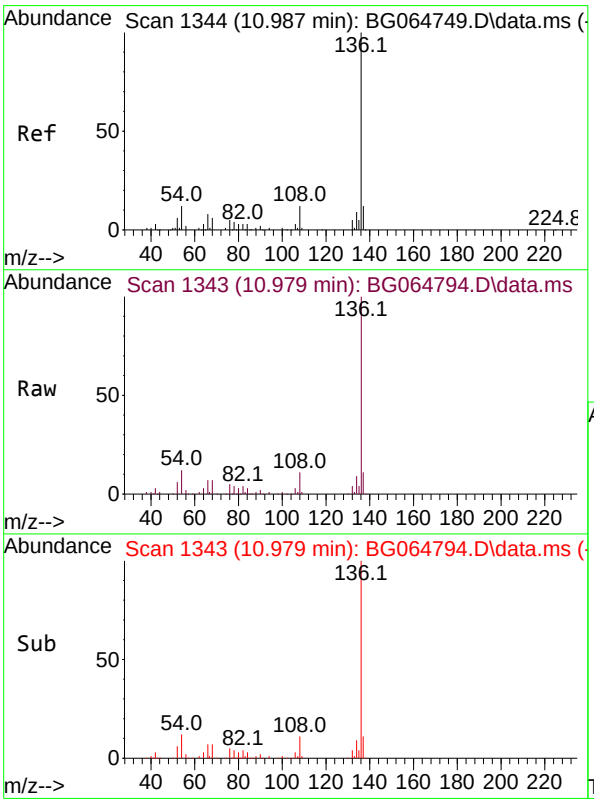
#7
Phenol-d6
Concen: 73.344 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 99 Resp: 198726

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.8	25.2
71	36.8	31.1	46.7

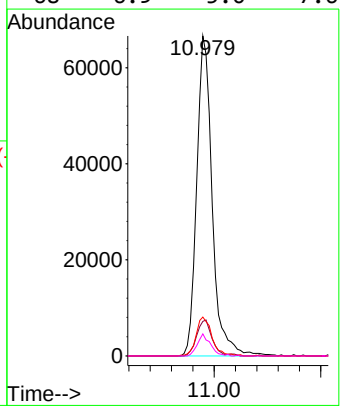


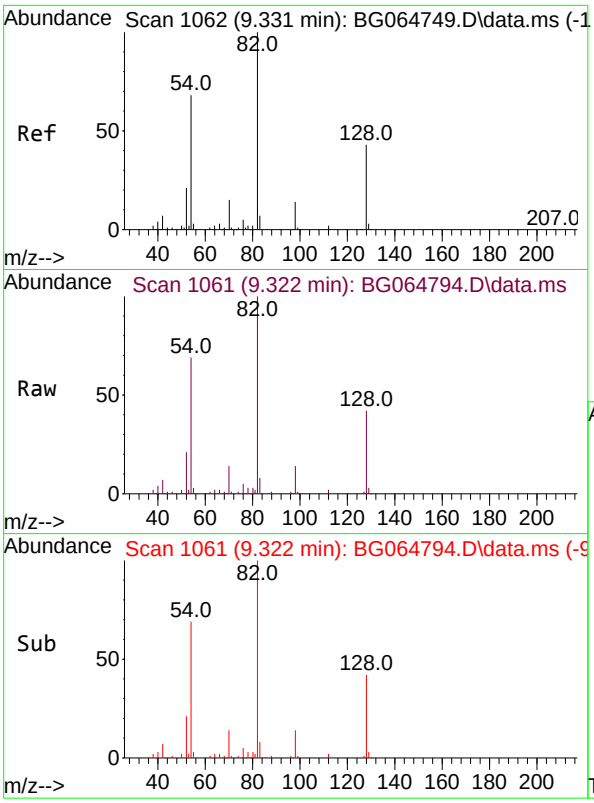


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:136 Resp: 134204

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.1	9.3	13.9
68	6.9	5.0	7.6



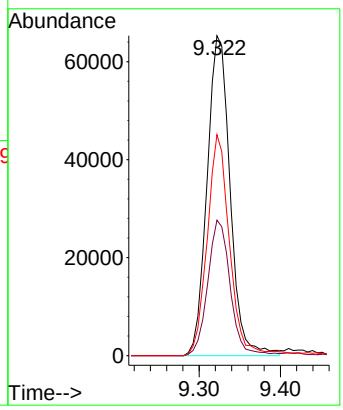


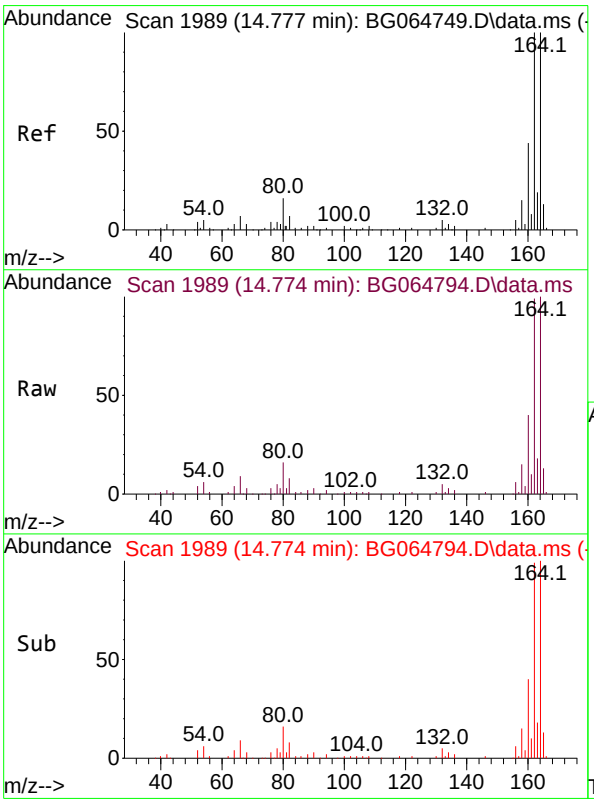
#23
Nitrobenzene-d5
Concen: 47.459 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 82 Resp: 128818

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.1	51.1
54	69.0	54.3	81.5

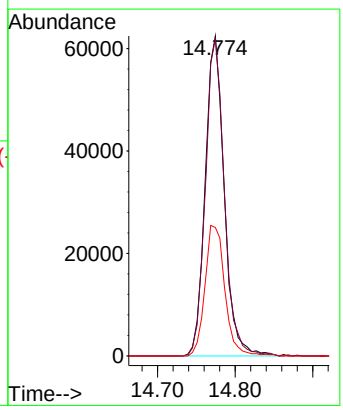


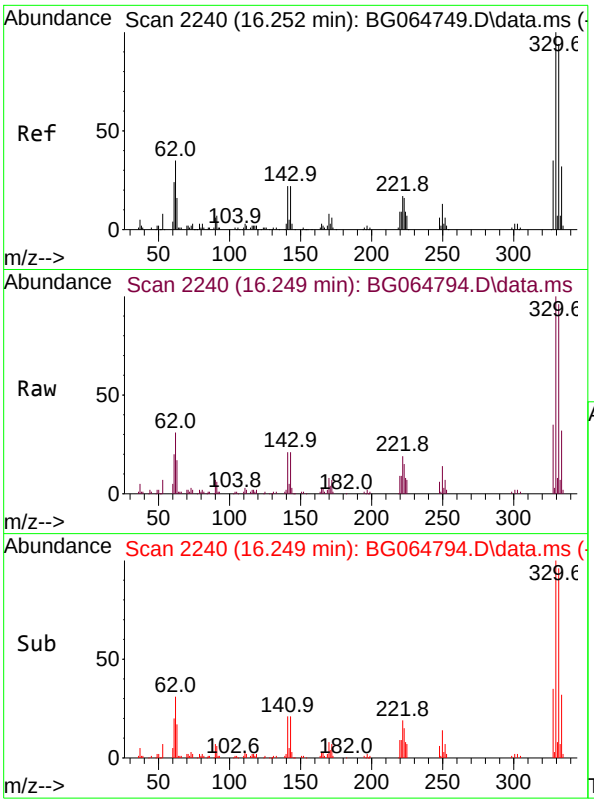


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:164 Resp: 105983

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.8	119.6
160	40.1	34.9	52.3



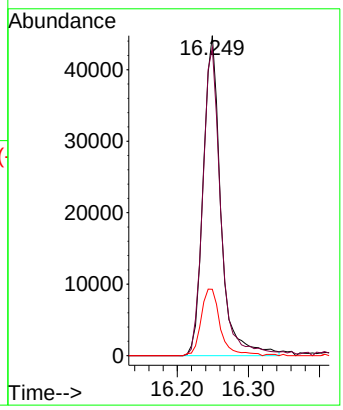


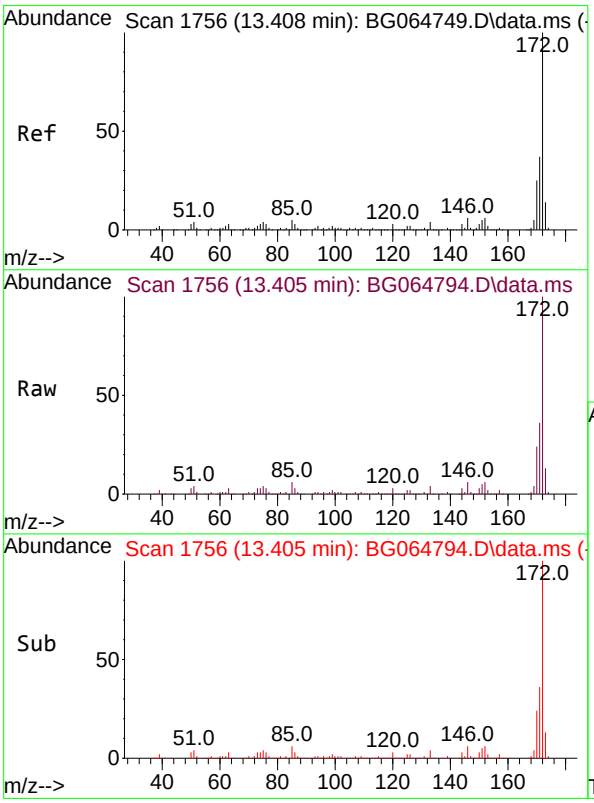
#42
2,4,6-Tribromophenol
Concen: 37.217 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:330 Resp: 76928

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	22.5	18.2	27.2

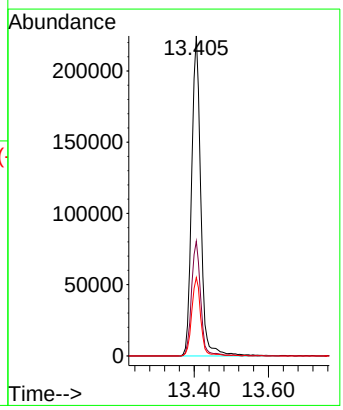


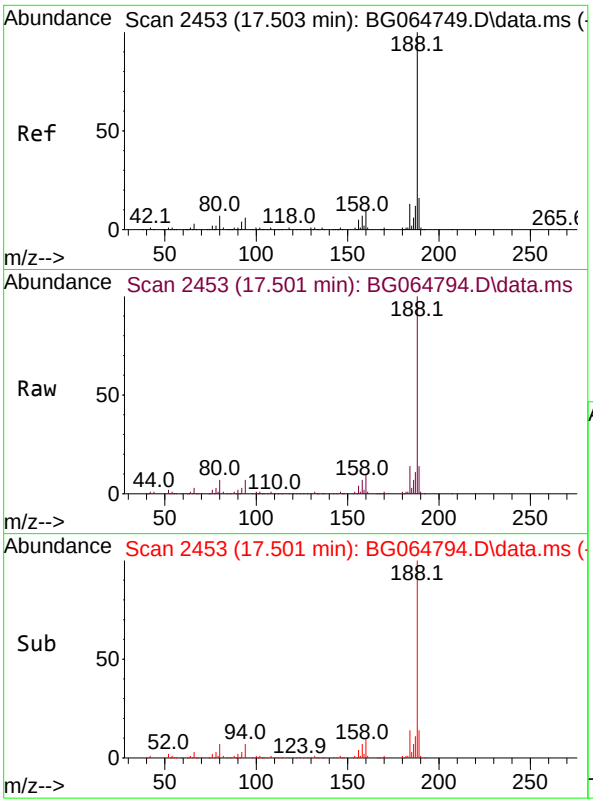


#45
2-Fluorobiphenyl
Concen: 50.542 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:172 Resp: 383889

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.5	19.8	29.6



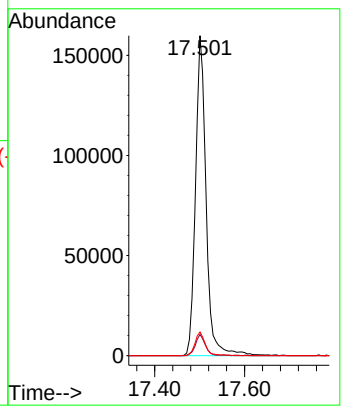


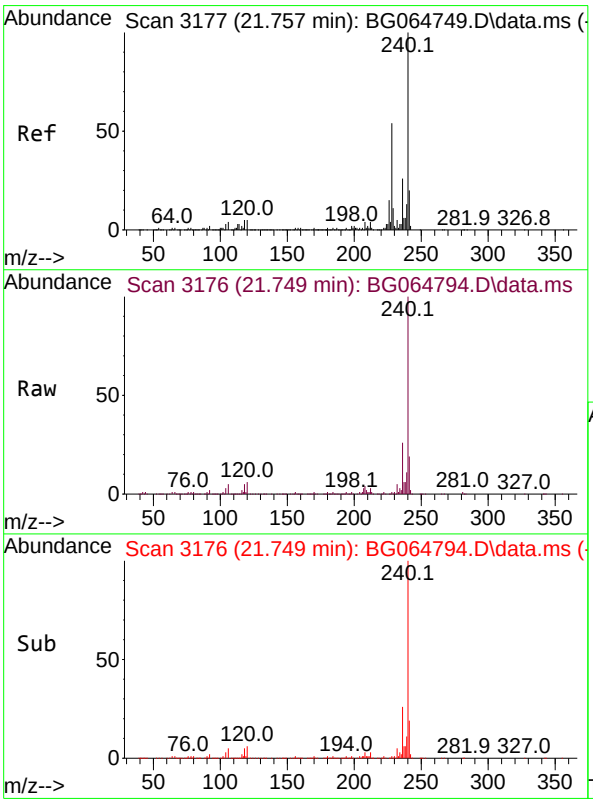
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:188 Resp: 261717

Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.7	7.1
80	7.4	5.4	8.2

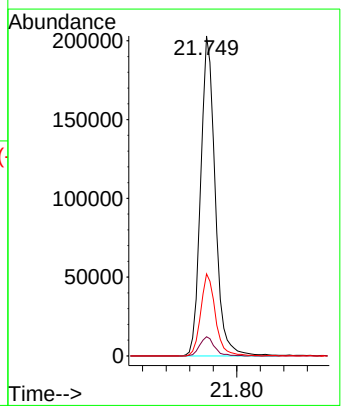


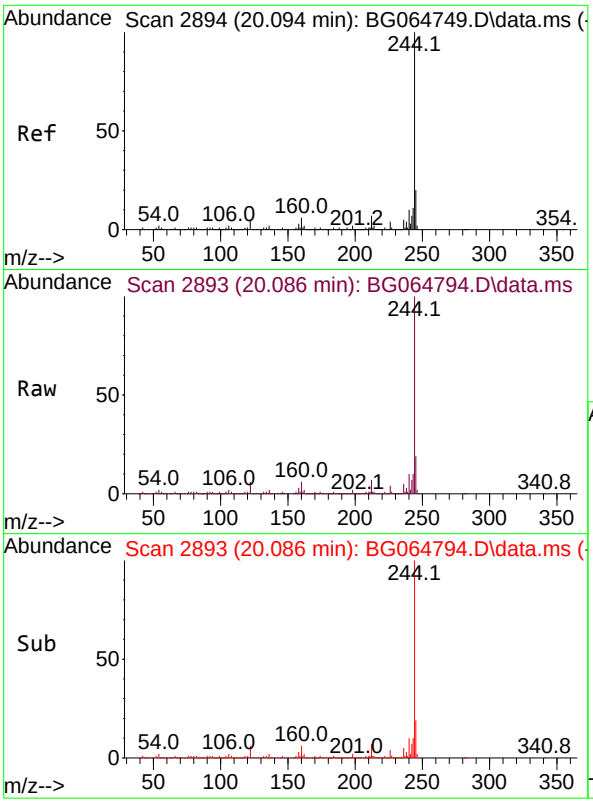


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:240 Resp: 348460

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	25.6	20.8	31.2



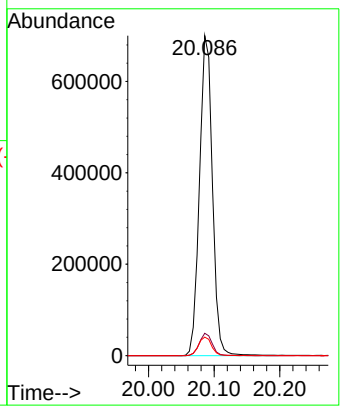


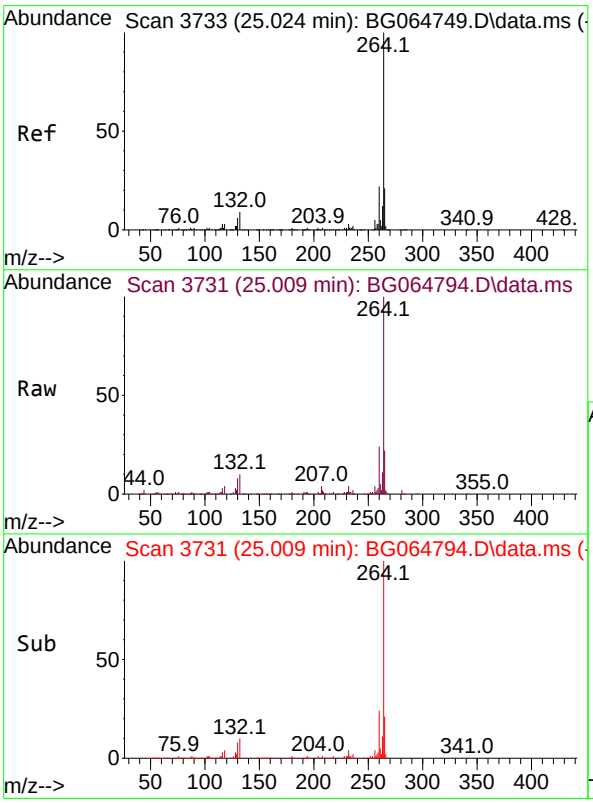
#79
Terphenyl-d14
Concen: 53.698 ng
RT: 20.086 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:244 Resp: 951230

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.8	4.3	6.5

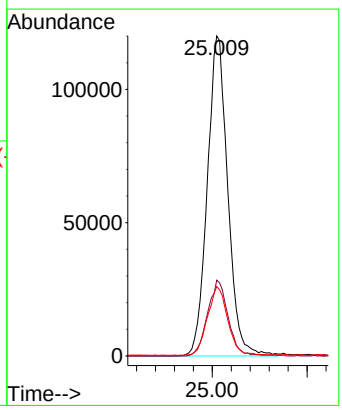




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.014 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:264 Resp: 360076

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.2	25.8
265	21.7	16.6	25.0



Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.135	3	8	17	rBV2	22553	54514	2.35%	0.561%
2	3.217	17	22	39	rVB	338655	595669	25.65%	6.133%
3	5.221	355	363	372	rBV	35511	56515	2.43%	0.582%
4	5.703	438	445	459	rBV	291265	493051	21.23%	5.076%
5	7.307	708	718	731	rBV	342665	629308	27.10%	6.479%
6	8.164	857	864	871	rBV	118749	208732	8.99%	2.149%
7	9.322	1053	1061	1072	rBV	209050	402586	17.34%	4.145%
8	10.979	1334	1343	1356	rBV	145212	288858	12.44%	2.974%
9	13.405	1748	1756	1770	rBV	637618	1068149	46.00%	10.997%
10	14.774	1982	1989	1999	rBV	252702	425253	18.31%	4.378%
11	16.114	2210	2217	2224	rBV	64357	105785	4.56%	1.089%
12	16.249	2233	2240	2250	rBV	281169	483723	20.83%	4.980%
13	17.501	2446	2453	2465	rBV2	367991	593602	25.56%	6.111%
14	17.865	2510	2515	2525	rBV4	12619	25554	1.10%	0.263%
15	18.376	2596	2602	2607	rBV5	15929	29018	1.25%	0.299%
16	19.898	2856	2861	2872	rBV	36991	69628	3.00%	0.717%
17	20.086	2887	2893	2903	rBV	1715755	2322080	100.00%	23.907%
18	21.384	3109	3114	3119	rBV2	59348	97977	4.22%	1.009%
19	21.749	3170	3176	3191	rVB2	497375	875809	37.72%	9.017%
20	23.464	3463	3468	3473	rVB5	15934	32096	1.38%	0.330%
21	25.009	3721	3731	3747	rVB	285022	855063	36.82%	8.803%

Sum of corrected areas: 9712970

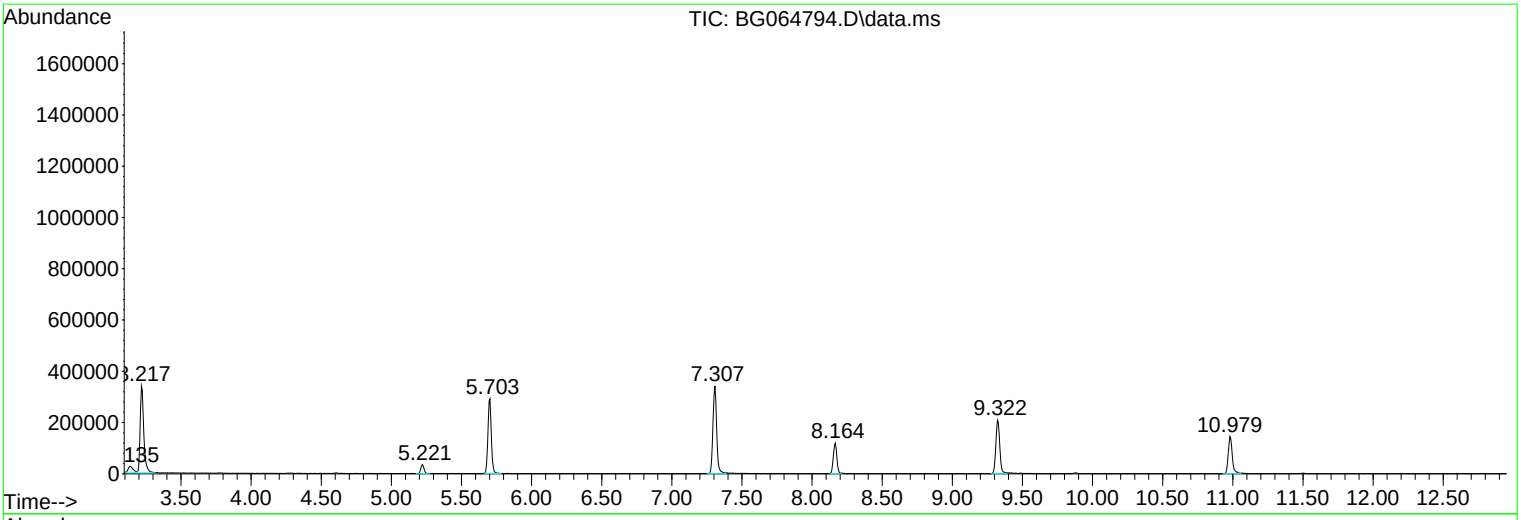
Sample Results: **BG064794.D**

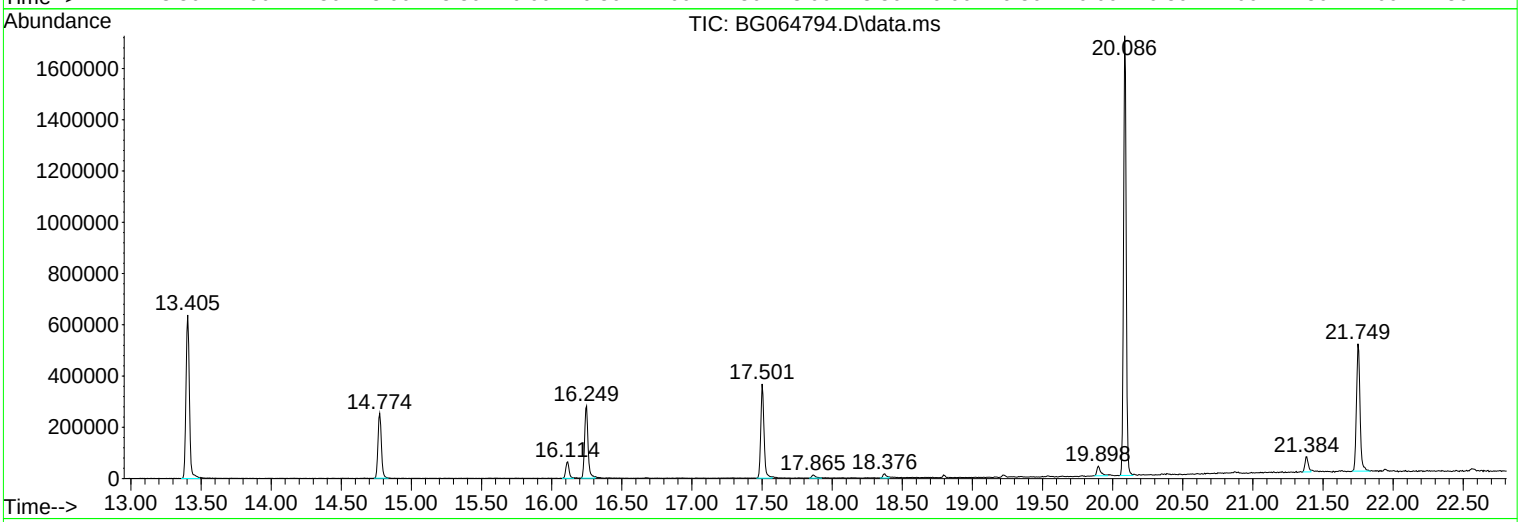
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Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

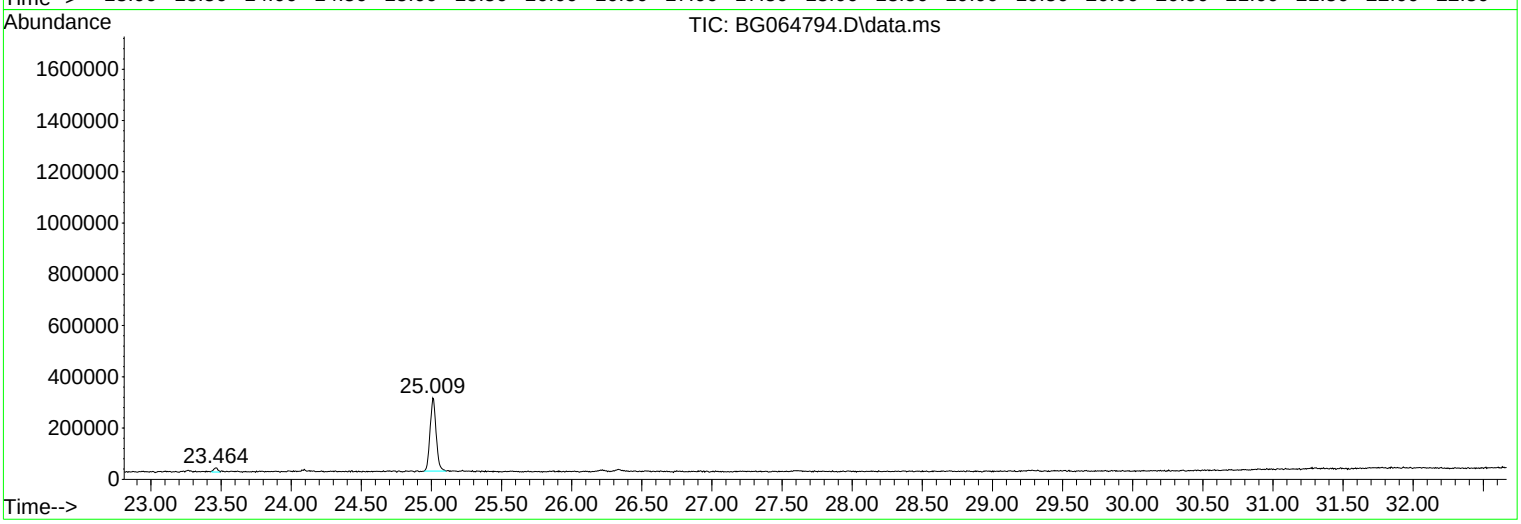
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

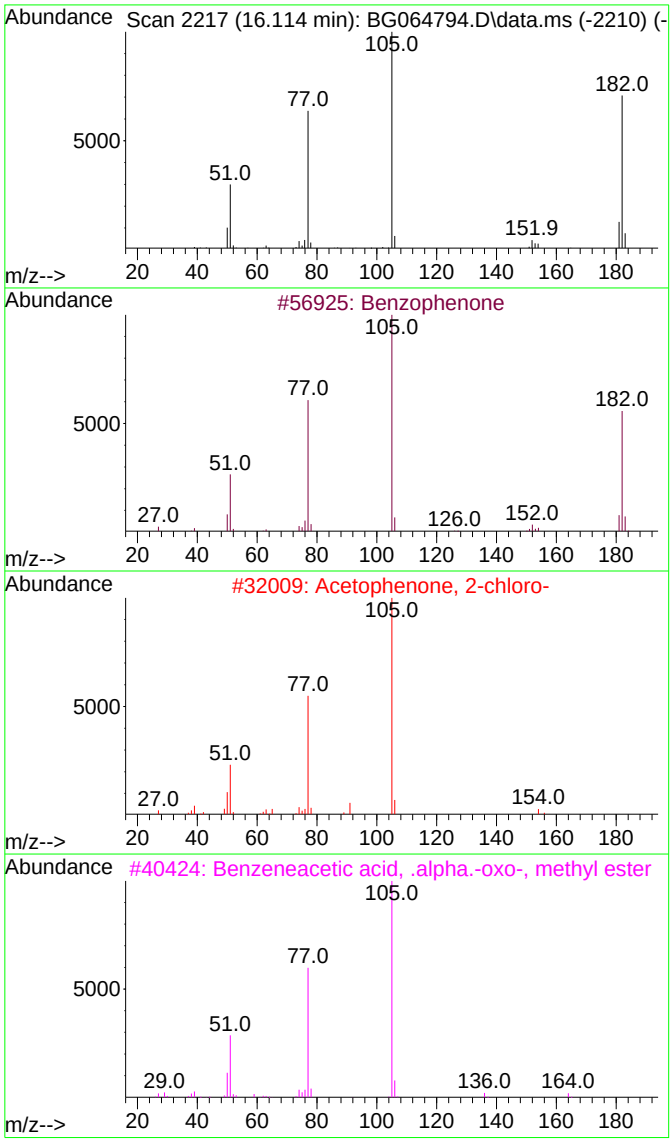
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

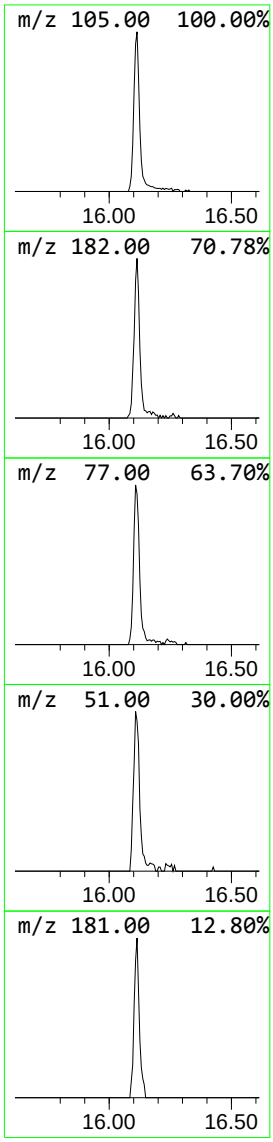
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Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.114	4.98 ng	105785	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
4	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On    : 17 Nov 2025  21:28
Operator  : RC/JU
Sample    : Q3649-01
Misc      :
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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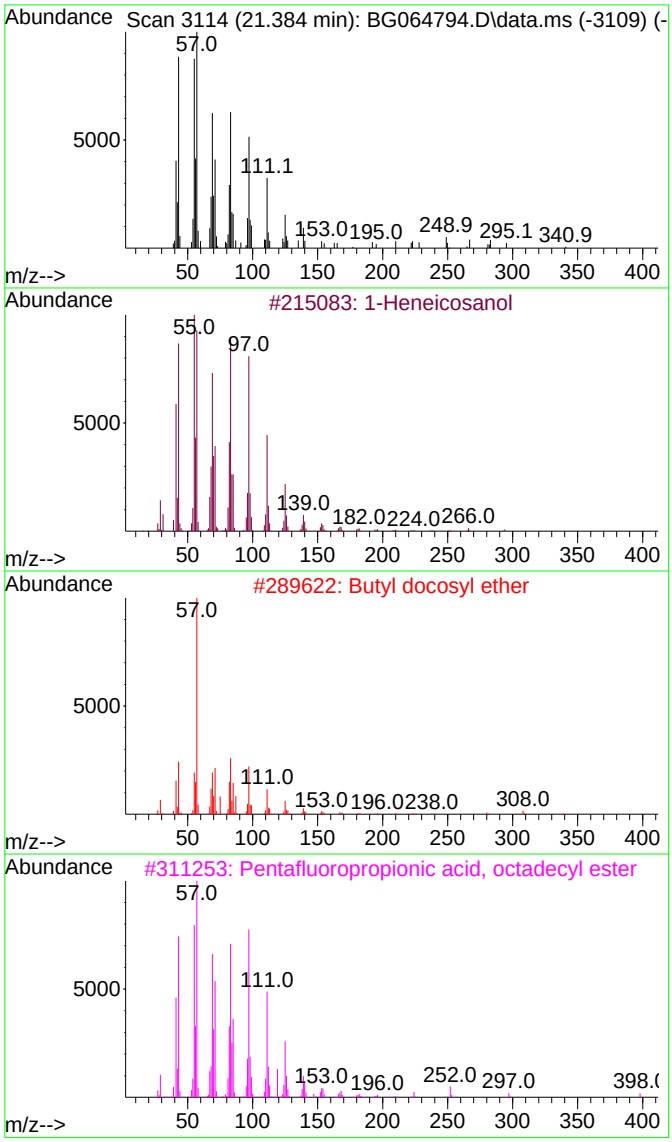
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

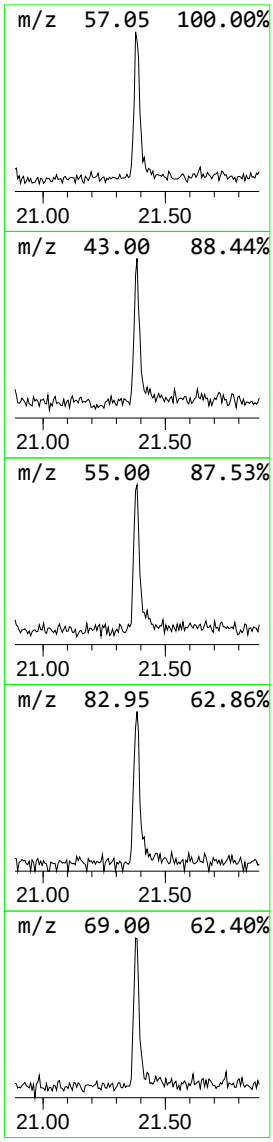
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Peak Number 5 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	2.24 ng	97977	Chrysene-d12	21.749

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Butyl docosyl ether	382	C26H54O	1000406-40-8	91
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	91
5	Octacosanol	410	C28H58O	000557-61-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.114	5.0	ng	105785	3	14.774	425253	20.0
1-Heneicosanol	21.384	2.2	ng	97977	5	21.749	875809	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	54942	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	197870	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	98301	20.000	ng		-0.01
64) Phenanthrene-d10	11.398	188	159918	20.000	ng		0.00
76) Chrysene-d12	14.045	240	126617	20.000	ng		0.00
86) Perylene-d12	15.527	264	116785	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	229673	65.416	ng		0.00
7) Phenol-d6	6.498	99	252538	63.481	ng		0.00
23) Nitrobenzene-d5	7.428	82	154937	45.224	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	71557	58.008	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	321411	48.291	ng		0.00
79) Terphenyl-d14	12.986	244	306084	38.398	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.422	178	48193	6.053	ng		99
75) Fluoranthene	12.616	202	84892	10.321	ng		98
78) Pyrene	12.845	202	75242	7.370	ng		99
81) Benzo(a)anthracene	14.033	228	41490	4.728	ng		95
83) Chrysene	14.068	228	41260	5.093	ng		95
84) Bis(2-ethylhexyl)phtha...	14.015	149	13645	2.817	ng		100
88) Benzo(b)fluoranthene	15.092	252	45766m	6.893	ng		
89) Benzo(k)fluoranthene	15.110	252	16564m	2.665	ng		
90) Benzo(a)pyrene	15.462	252	26697	4.359	ng	#	91
92) Benzo(g,h,i)perylene	17.480	276	15681	2.359	ng		96

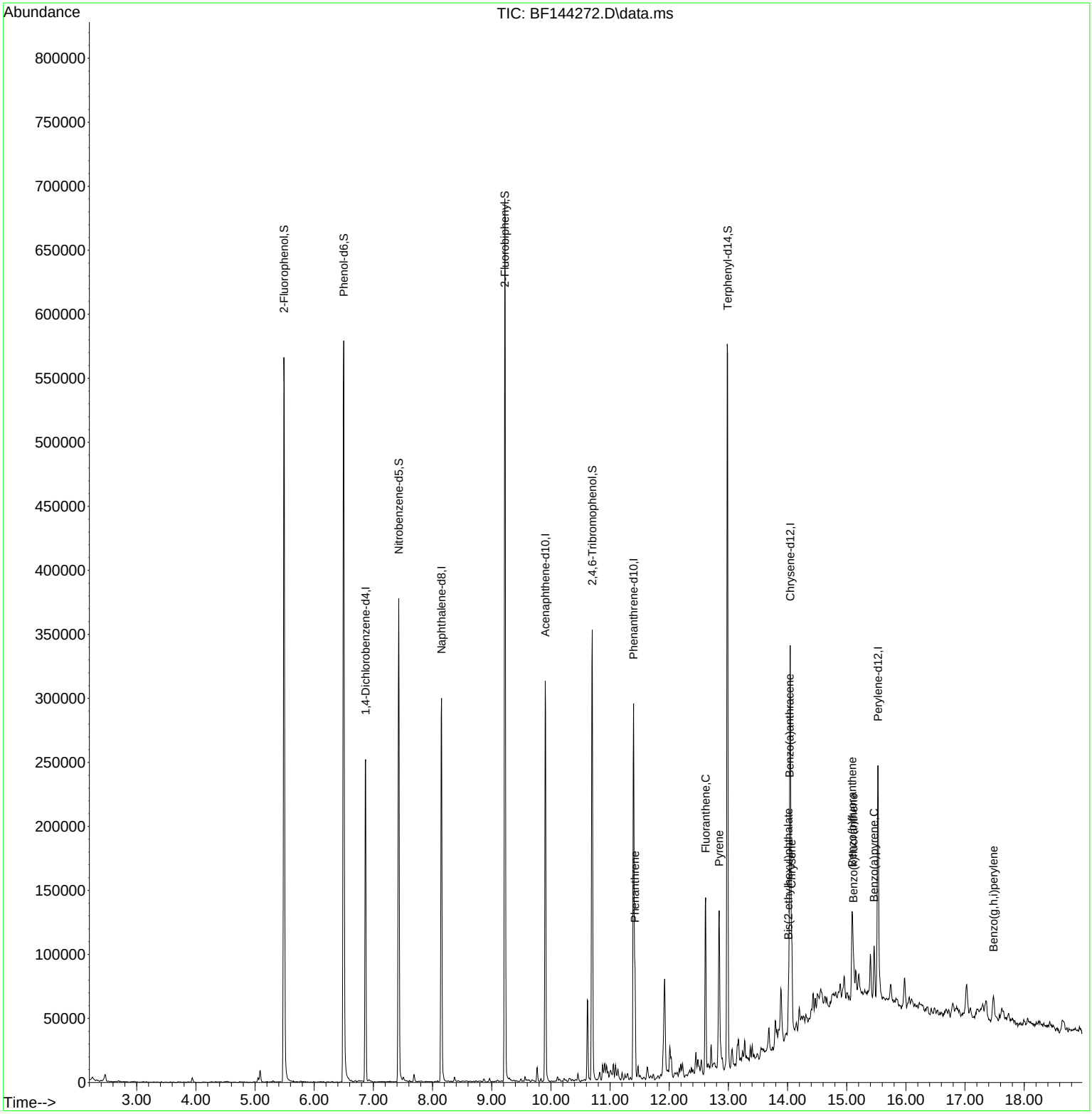
(#) = qualifier out of range (m) = manual integration (+) = signals summed

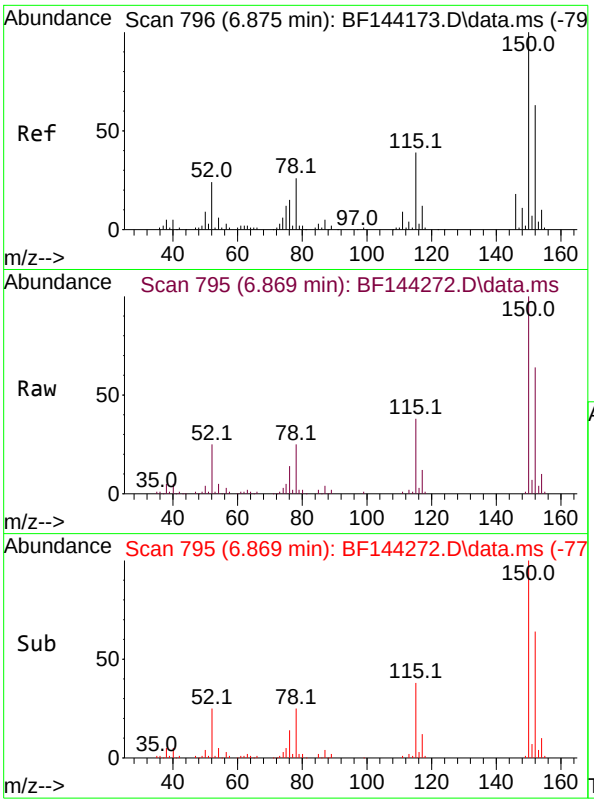
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

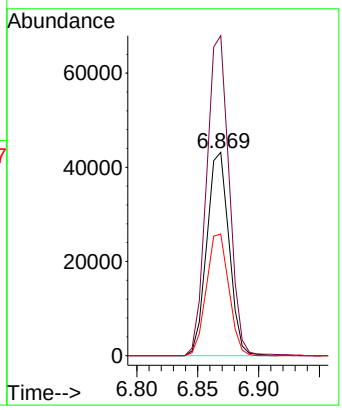




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:152 Resp: 5494

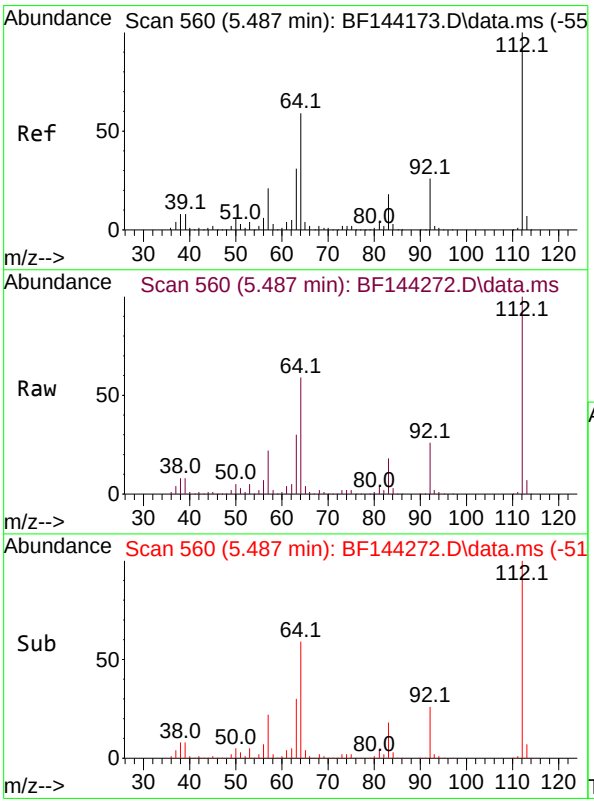
Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.4	191.0
115	59.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

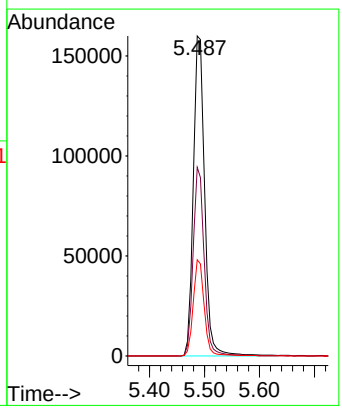
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

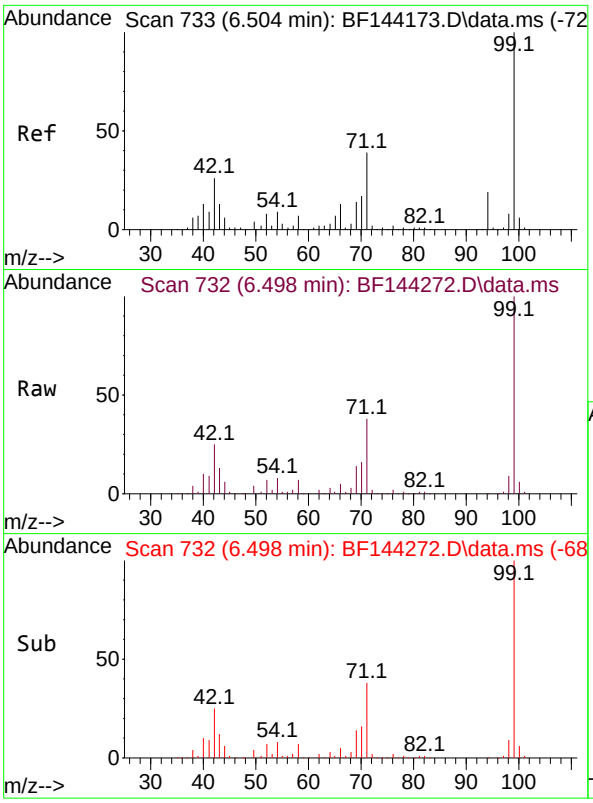


#5
2-Fluorophenol
Concen: 65.416 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:112 Resp: 229673

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.2	70.8
63	30.0	24.4	36.6

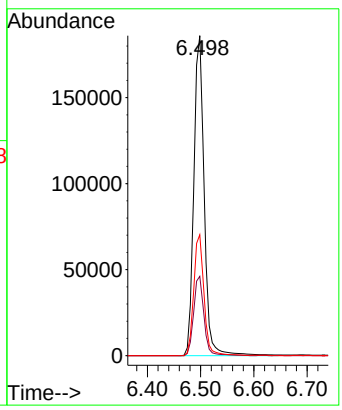




#7
Phenol-d6
Concen: 63.481 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 99 Resp: 25253

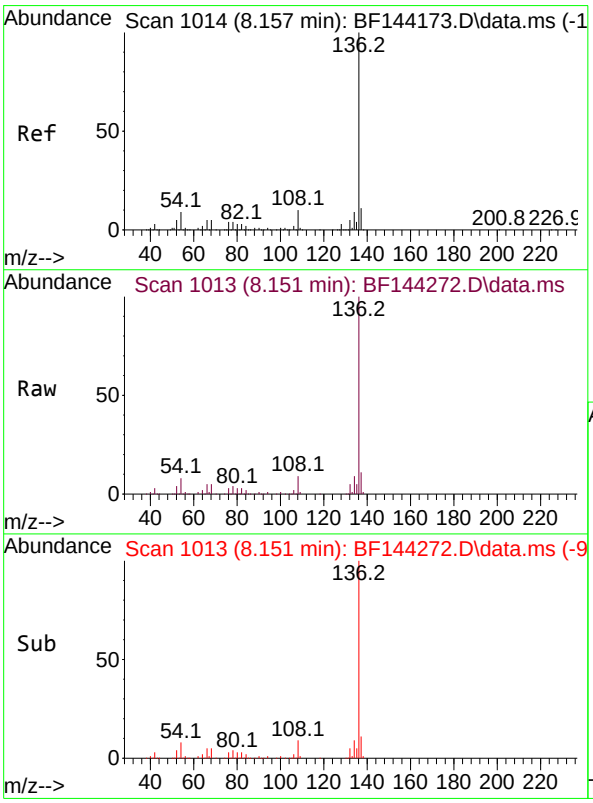
Ion	Ratio	Lower	Upper
99	100		
42	24.8	20.9	31.3
71	37.8	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

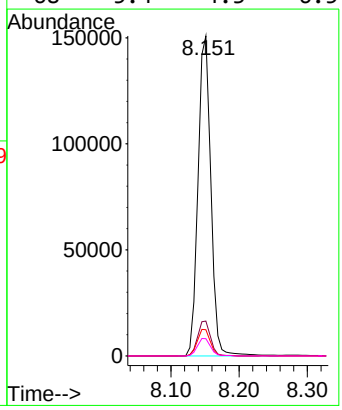
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

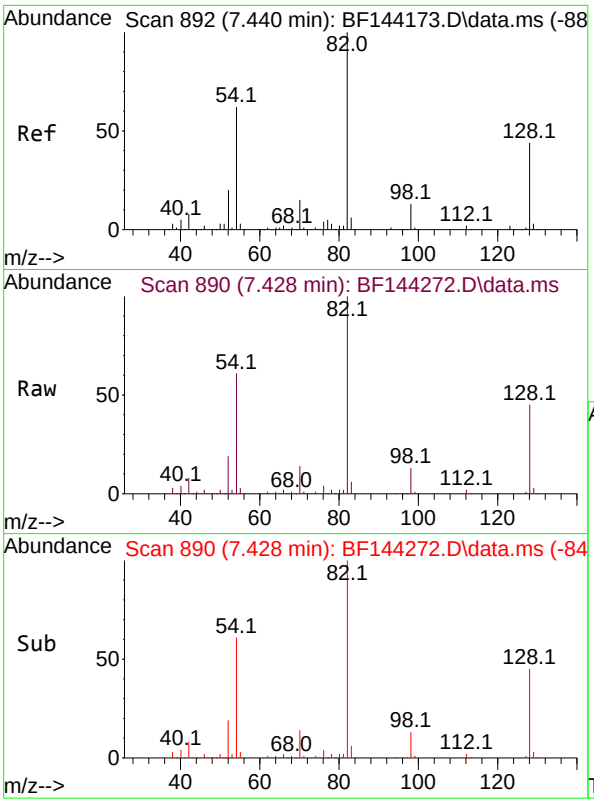


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:136 Resp: 197870

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.6
68	5.4	4.3	6.5

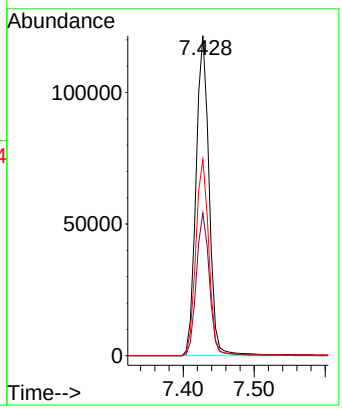




#23
Nitrobenzene-d5
Concen: 45.224 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

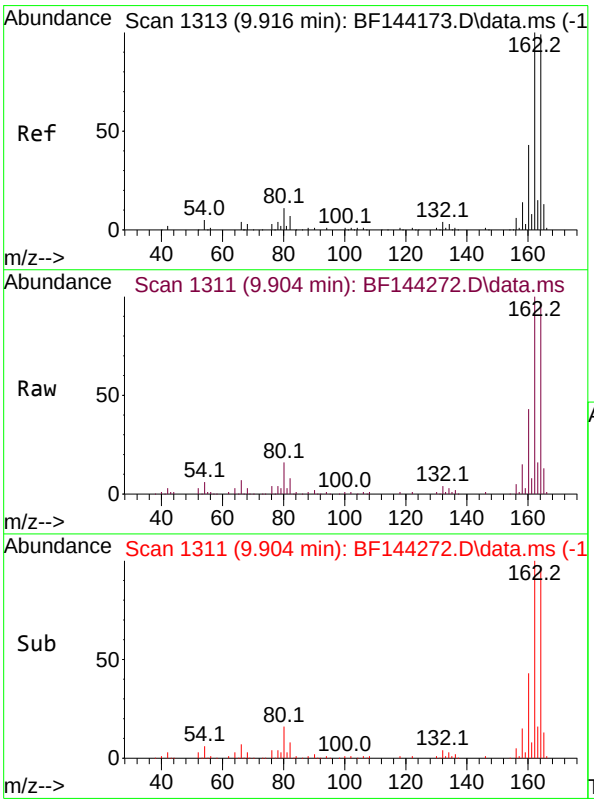
Tgt Ion: 82 Resp: 15493

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.7	52.1
54	61.3	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

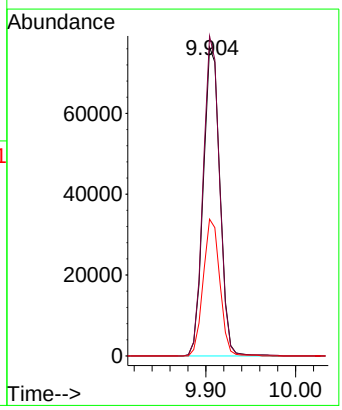
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

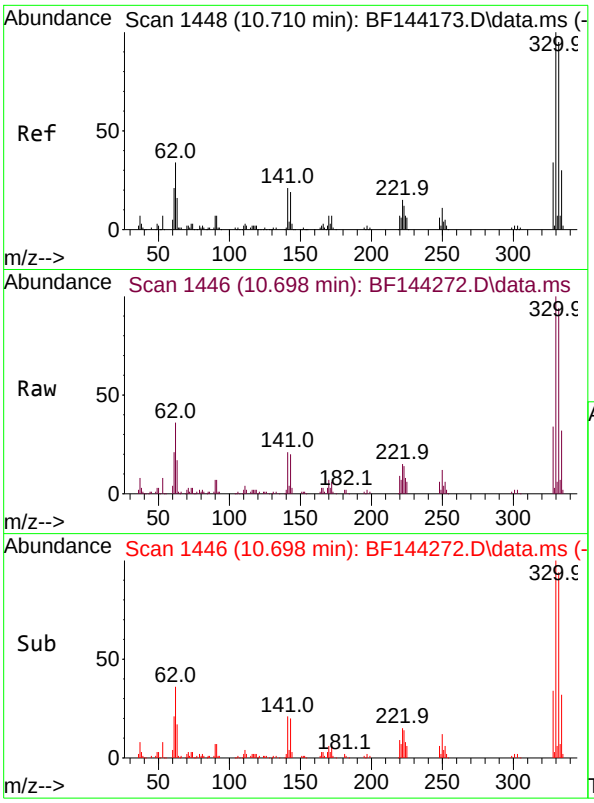


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:164 Resp: 98301

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.1	121.7
160	44.3	34.5	51.7

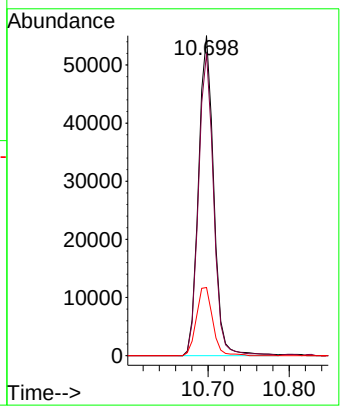




#42
2,4,6-Tribromophenol
Concen: 58.008 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

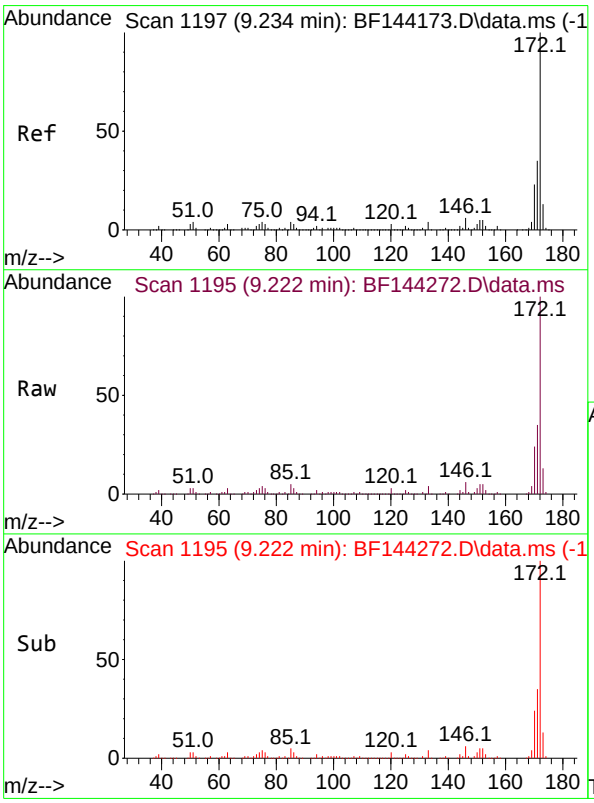
Tgt Ion:330 Resp: 7155

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.7	115.1
141	22.7	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

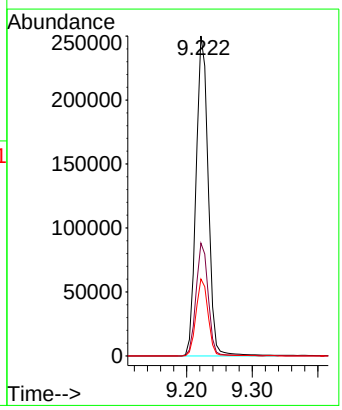
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

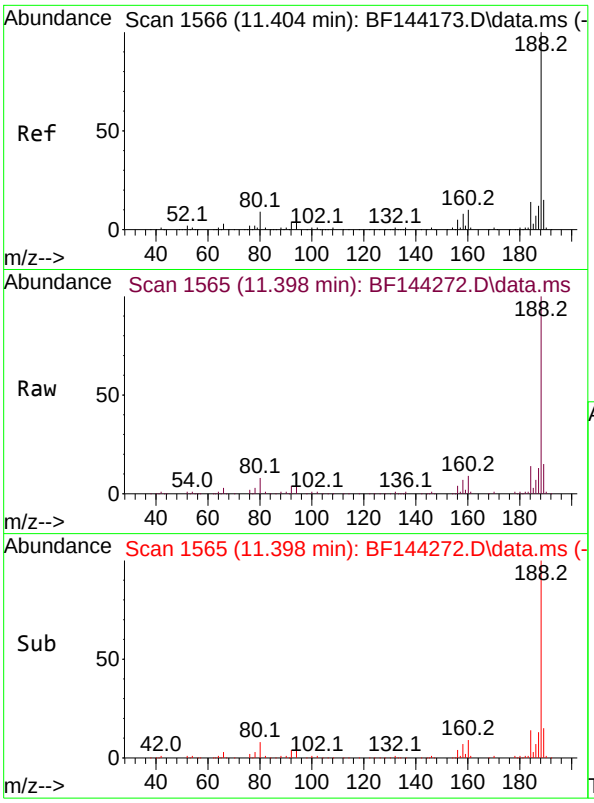


#45
2-Fluorobiphenyl
Concen: 48.291 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:172 Resp: 321411

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	18.6	28.0

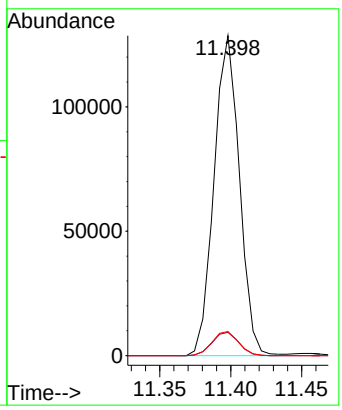




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:188 Resp: 159918

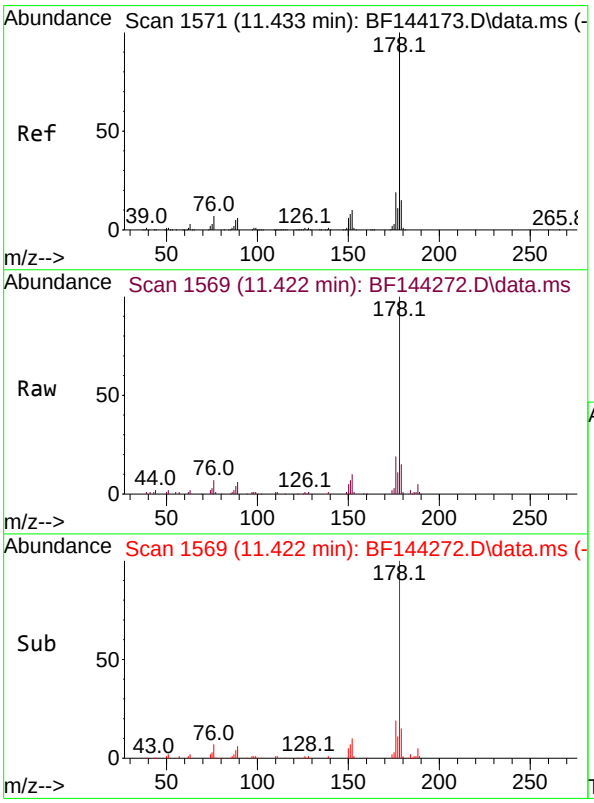
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.5	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
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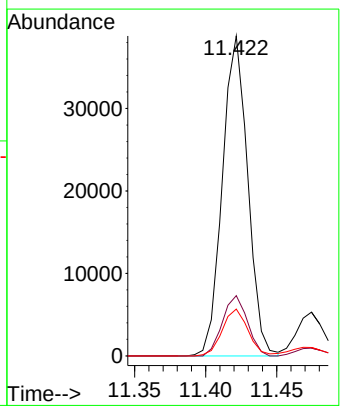
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

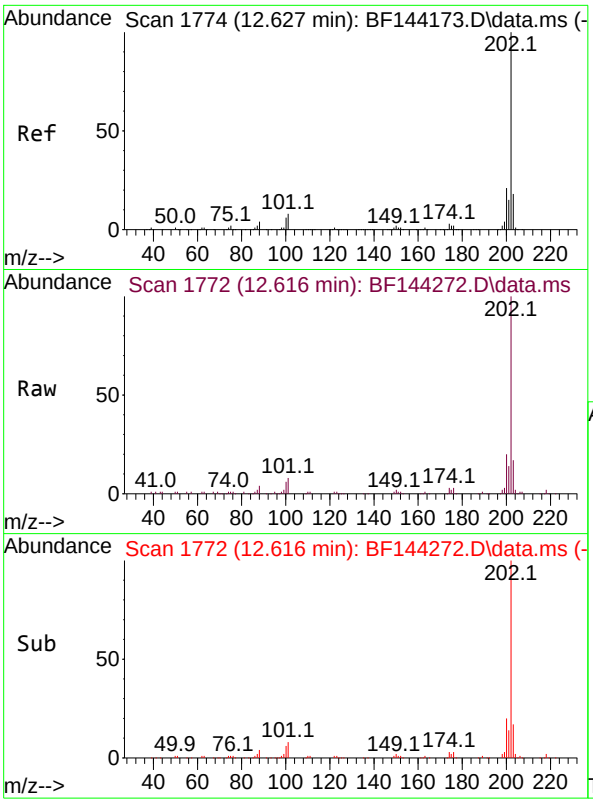


#71
Phenanthrene
Concen: 6.053 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:178 Resp: 48193

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	14.6	12.2	18.4

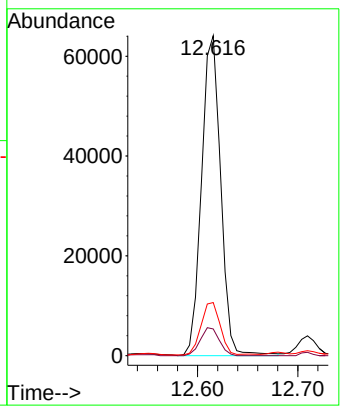




#75
Fluoranthene
Concen: 10.321 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 8489

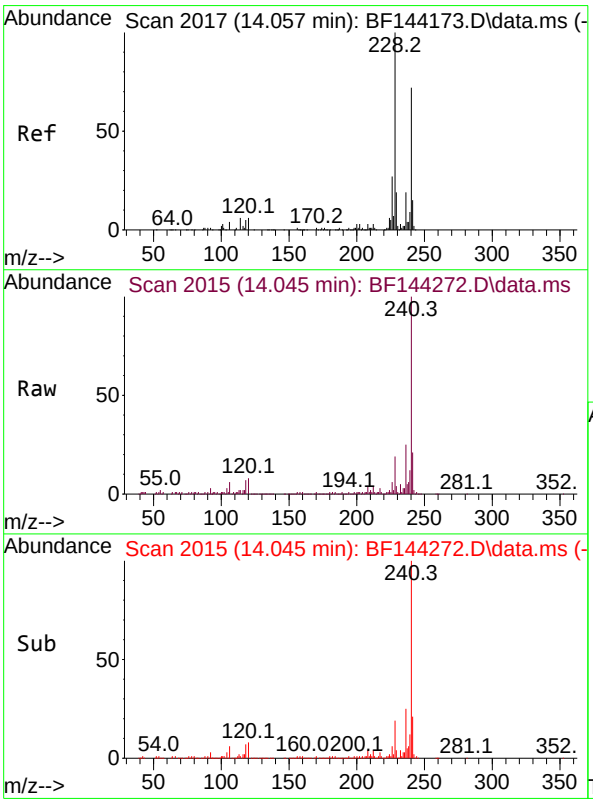
Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	27.9
203	16.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

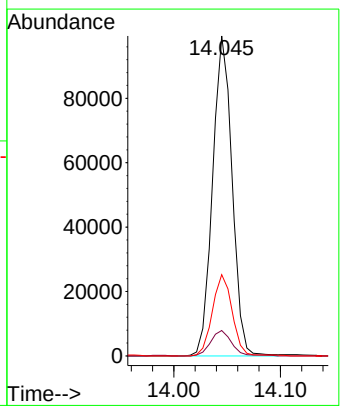
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

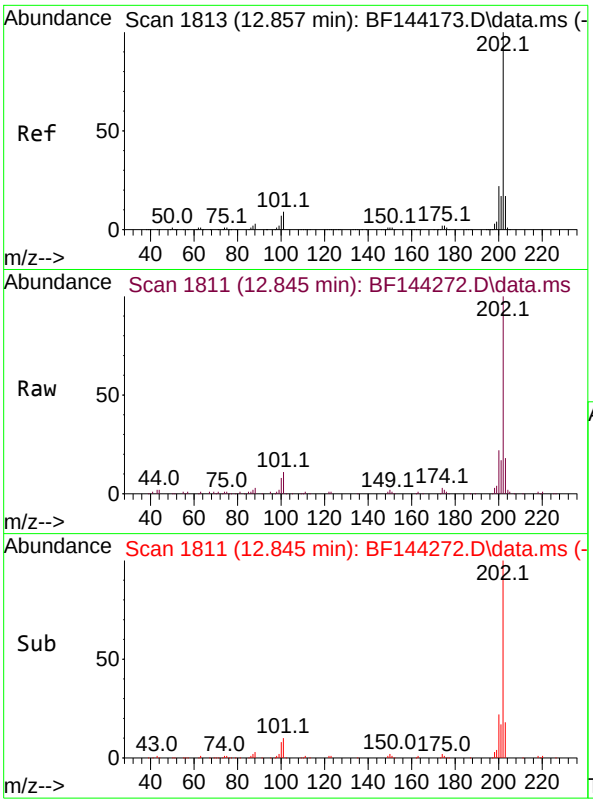


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:240 Resp: 126617

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.6	10.0
236	25.4	21.4	32.2

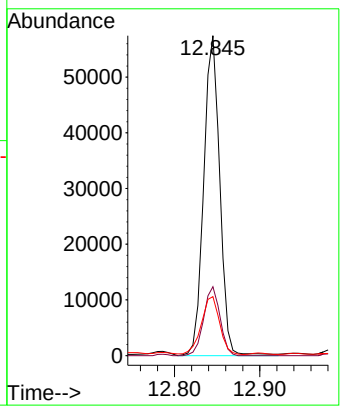




#78
Pyrene
Concen: 7.370 ng
RT: 12.845 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 7524

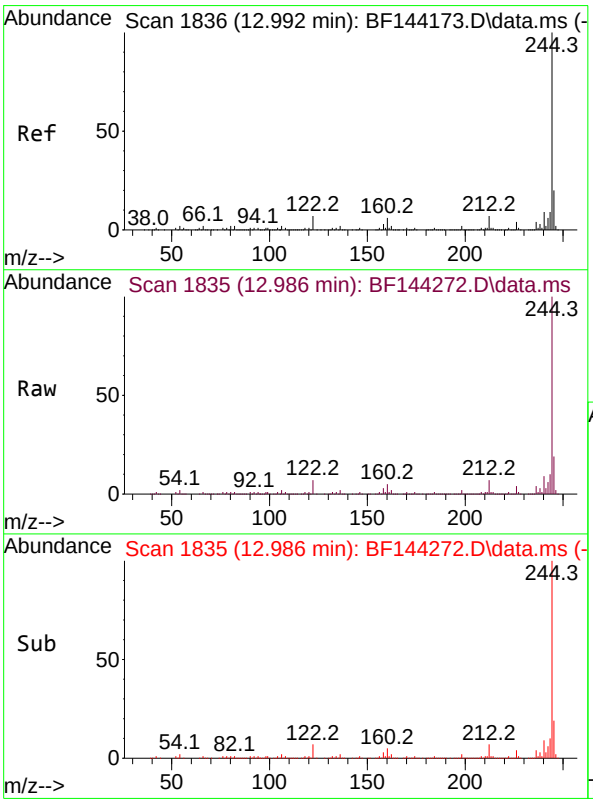
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.4	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

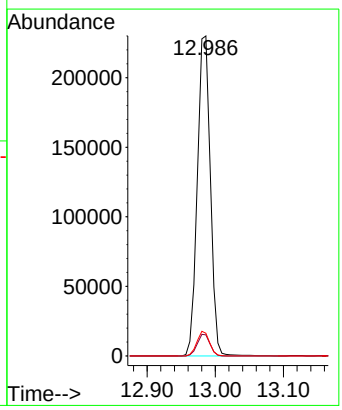
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

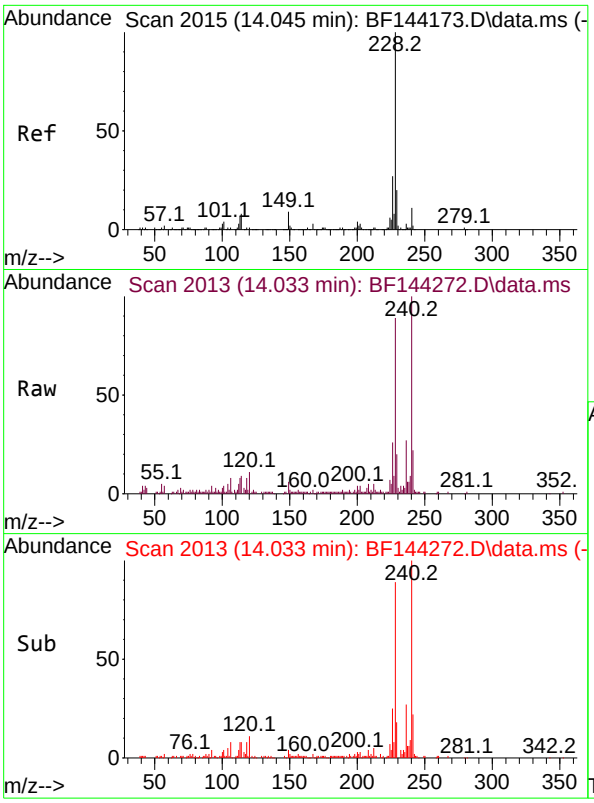


#79
Terphenyl-d14
Concen: 38.398 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:244 Resp: 306084

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.1	5.6	8.4

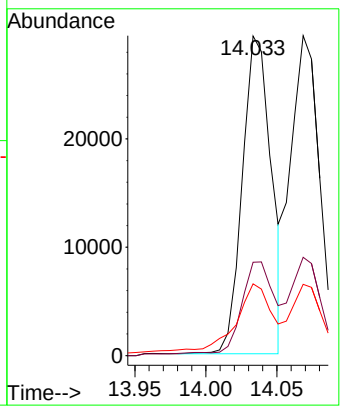




#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 4149

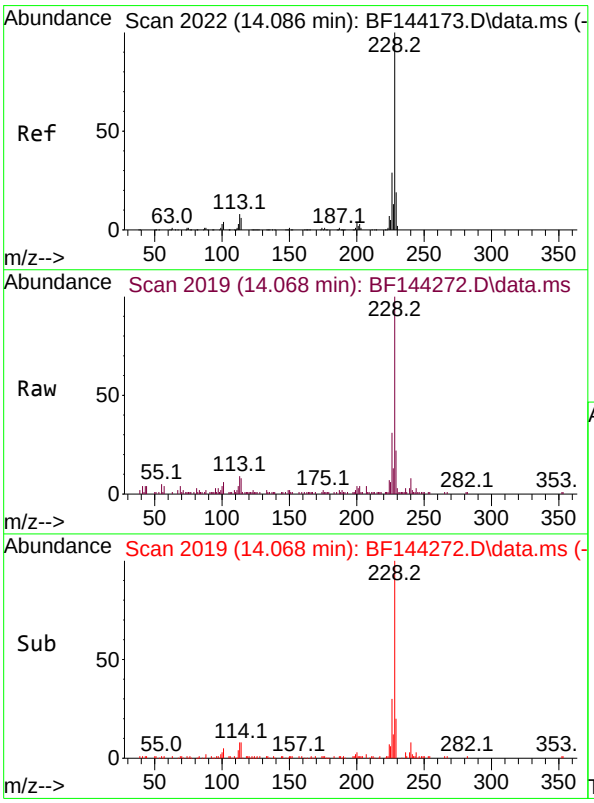
Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	22.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

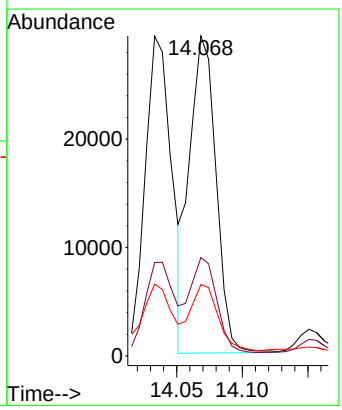
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

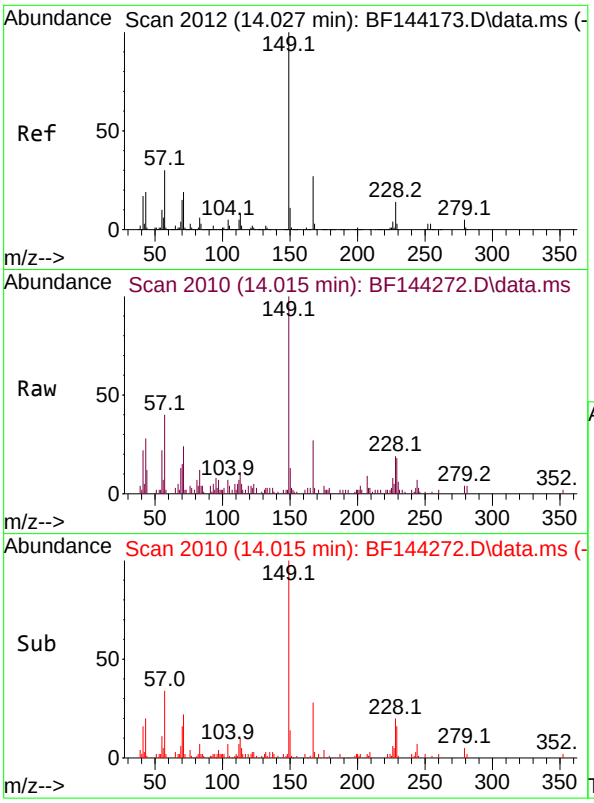


#83
Chrysene
Concen: 5.093 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 41260

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.9	34.3
229	22.3	15.0	22.6

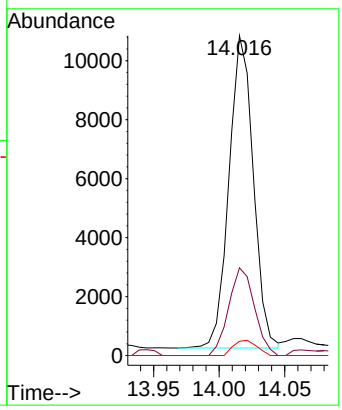




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.817 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

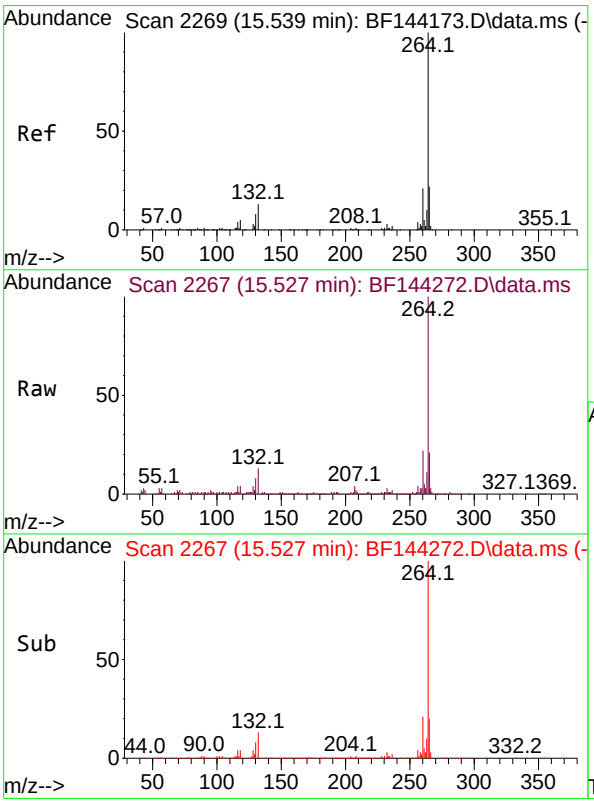
Tgt Ion:149 Resp: 1364

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.8	32.8
279	4.5	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

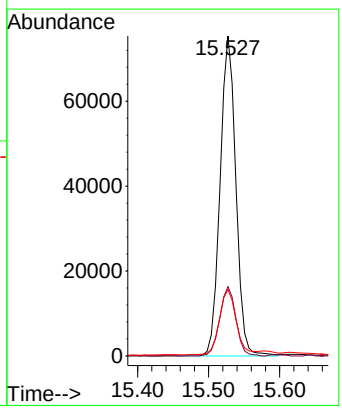
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

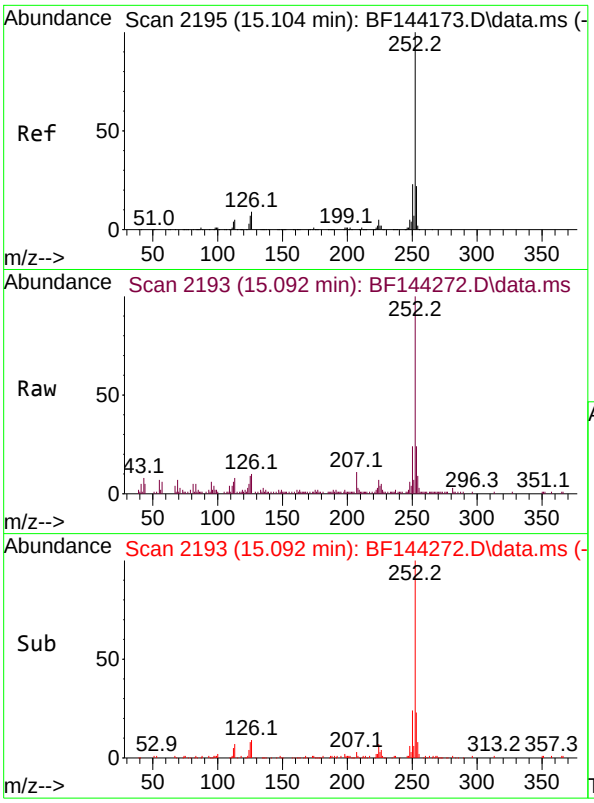


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:264 Resp: 116785

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	20.7	17.4	26.0

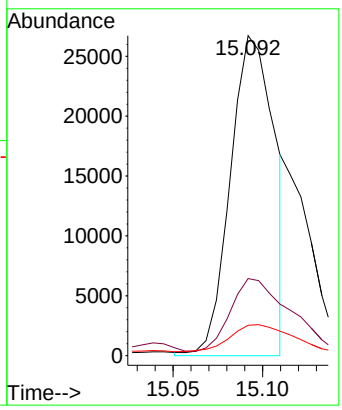




#88
Benzo(b)fluoranthene
Concen: 6.893 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

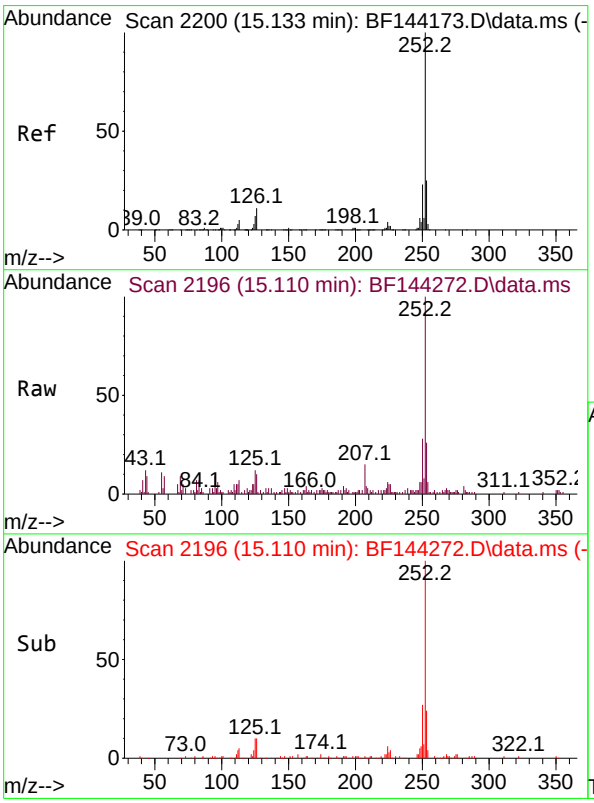
Tgt Ion:252 Resp: 4576

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	9.5	5.3	7.9#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

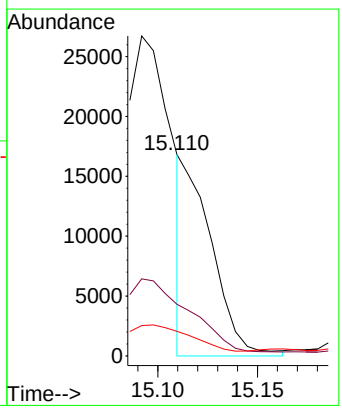
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

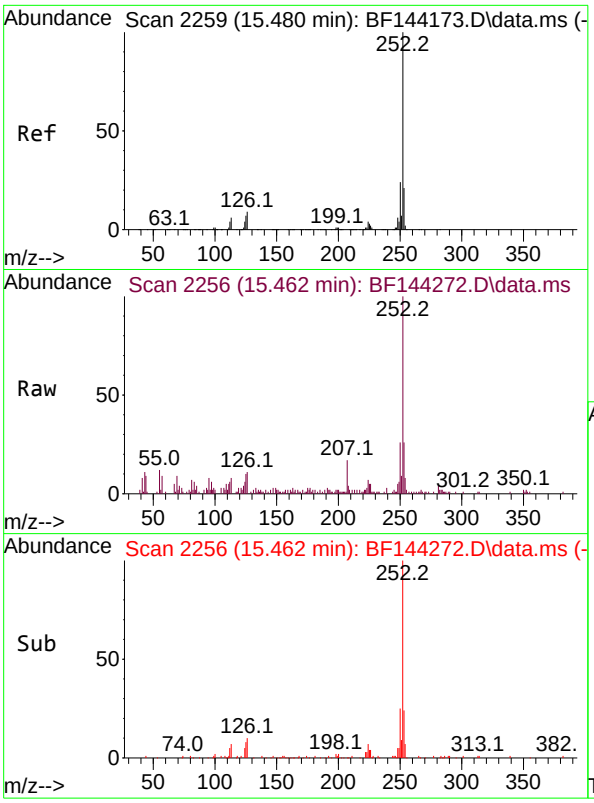


#89
Benzo(k)fluoranthene
Concen: 2.665 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 16564

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	12.2	5.4	8.2#

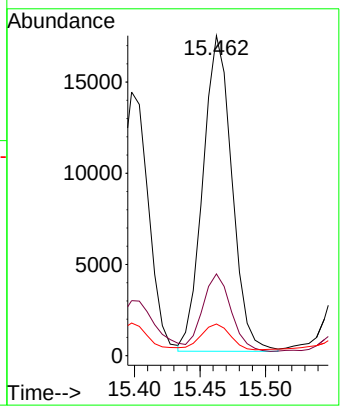




#90
Benzo(a)pyrene
Concen: 4.359 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 2669

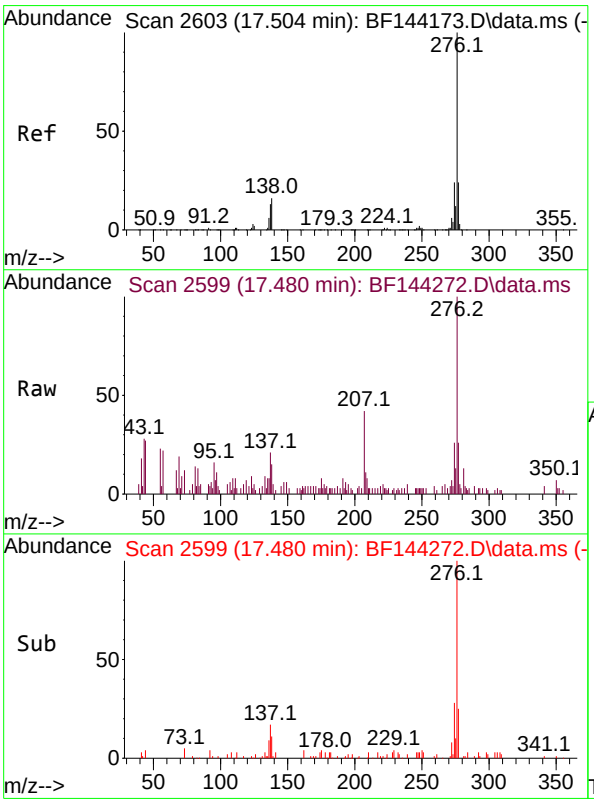
Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.7	25.1#
125	9.9	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

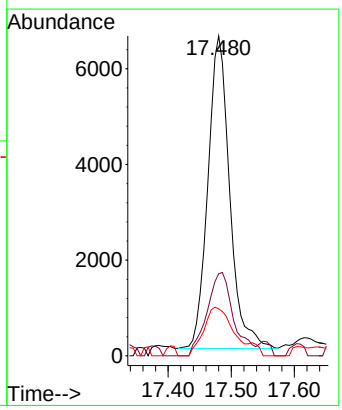
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 2.359 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:276 Resp: 15681

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	14.7	12.9	19.3



Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.463	38	46	52	rVB2	5275	11605	1.34%	0.143%
2	5.087	488	492	497	rVB	8771	13138	1.52%	0.162%
3	5.487	555	560	579	rBV	565926	789031	91.13%	9.755%
4	6.498	726	732	751	rBV	579008	787867	90.99%	9.741%
5	6.869	790	795	800	rBV	251665	324008	37.42%	4.006%
6	7.428	885	890	900	rBV	377492	476900	55.08%	5.896%
7	8.151	1007	1013	1027	rBV	299496	395404	45.67%	4.889%
8	9.222	1190	1195	1206	rBV	689446	865875	100.00%	10.705%
9	9.769	1283	1288	1295	rVB	10843	13084	1.51%	0.162%
10	9.904	1306	1311	1323	rVB	312759	400159	46.21%	4.947%
11	10.457	1402	1405	1412	rVB2	6334	8740	1.01%	0.108%
12	10.616	1428	1432	1437	rBV	62652	81418	9.40%	1.007%
13	10.698	1441	1446	1458	rVB	351549	463027	53.48%	5.725%
14	10.827	1461	1468	1472	rVB5	6092	9686	1.12%	0.120%
15	10.875	1472	1476	1479	rBV	12039	16601	1.92%	0.205%
16	11.010	1494	1499	1503	rBV2	5427	10622	1.23%	0.131%
17	11.057	1503	1507	1510	rVV2	10838	14389	1.66%	0.178%
18	11.092	1510	1513	1517	rVV	10563	13737	1.59%	0.170%
19	11.133	1517	1520	1528	rVB3	8319	13280	1.53%	0.164%
20	11.398	1560	1565	1574	rBV2	293726	469636	54.24%	5.806%
21	11.475	1574	1578	1581	rVB	8485	9948	1.15%	0.123%
22	11.627	1599	1604	1610	rBV2	9822	17675	2.04%	0.219%
23	11.922	1645	1654	1662	rBV3	75524	147812	17.07%	1.827%
24	12.010	1666	1669	1679	rVB3	24104	51898	5.99%	0.642%
25	12.227	1703	1706	1711	rVB	10809	14675	1.69%	0.181%
26	12.451	1740	1744	1747	rBV	16518	22582	2.61%	0.279%
27	12.539	1756	1759	1765	rVB3	11353	17745	2.05%	0.219%
28	12.616	1765	1772	1777	rBV	138231	188963	21.82%	2.336%
29	12.710	1784	1788	1791	rBV	18073	21527	2.49%	0.266%
30	12.845	1804	1811	1818	rBV	122875	199577	23.05%	2.467%
31	12.980	1825	1834	1843	rBV	566957	773881	89.38%	9.568%
32	13.063	1843	1848	1852	rBV3	14780	25535	2.95%	0.316%
33	13.169	1859	1866	1870	rBV2	20407	47175	5.45%	0.583%
34	13.239	1875	1878	1880	rVV	7618	8939	1.03%	0.111%
35	13.274	1881	1884	1888	rVB2	13766	16985	1.96%	0.210%
36	13.368	1897	1900	1903	rBV	10940	12712	1.47%	0.157%

Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.404	1903	1906	1909	rVB	9643	10998	1.27%	0.136%
38	13.686	1950	1954	1962	rVB	17472	26699	3.08%	0.330%
39	13.792	1968	1972	1975	rBV2	20768	33219	3.84%	0.411%
40	13.886	1984	1988	1997	rVB3	40903	80079	9.25%	0.990%
41	14.045	2006	2015	2028	rBV2	304303	595479	68.77%	7.362%
42	14.198	2038	2041	2045	rBV3	13489	20031	2.31%	0.248%
43	15.092	2189	2193	2201	rBV	65981	140991	16.28%	1.743%
44	15.398	2242	2245	2251	rVB	33830	49408	5.71%	0.611%
45	15.462	2252	2256	2261	rVV	40652	61281	7.08%	0.758%
46	15.527	2262	2267	2280	rVB	182658	314326	36.30%	3.886%

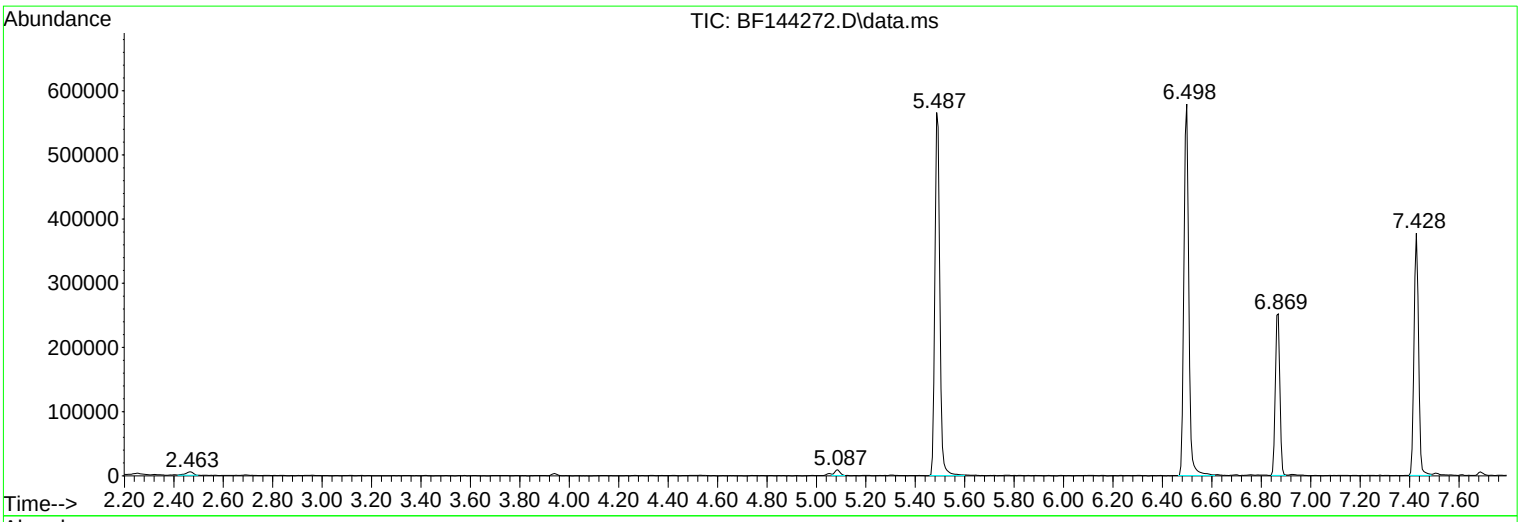
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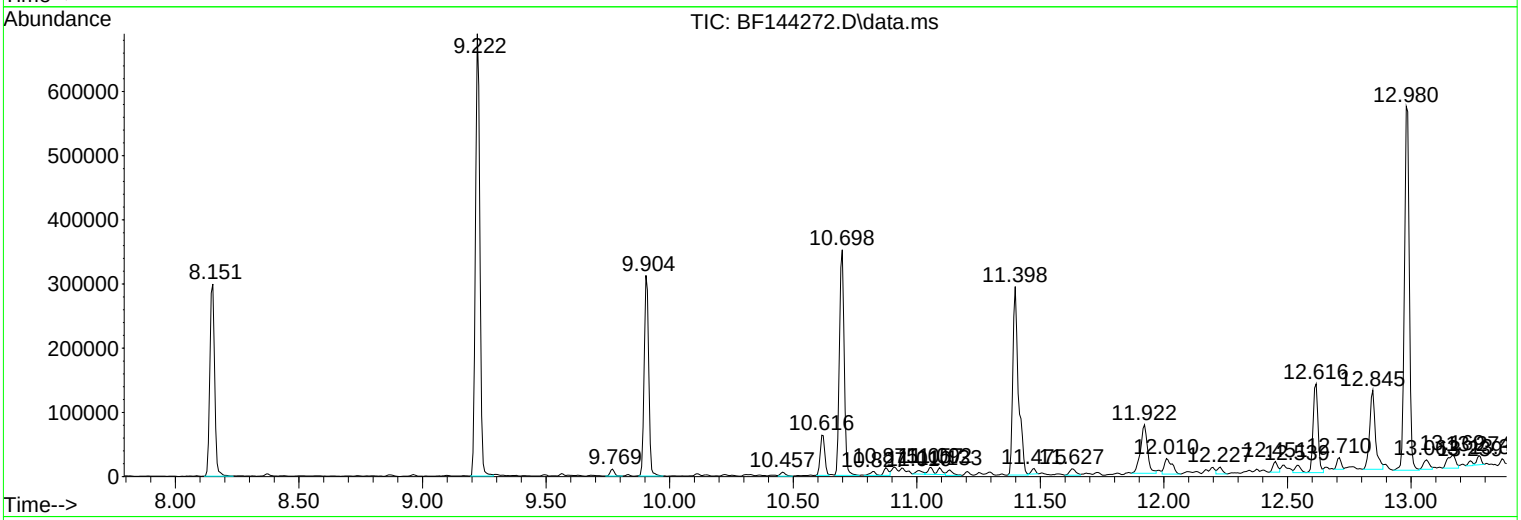
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

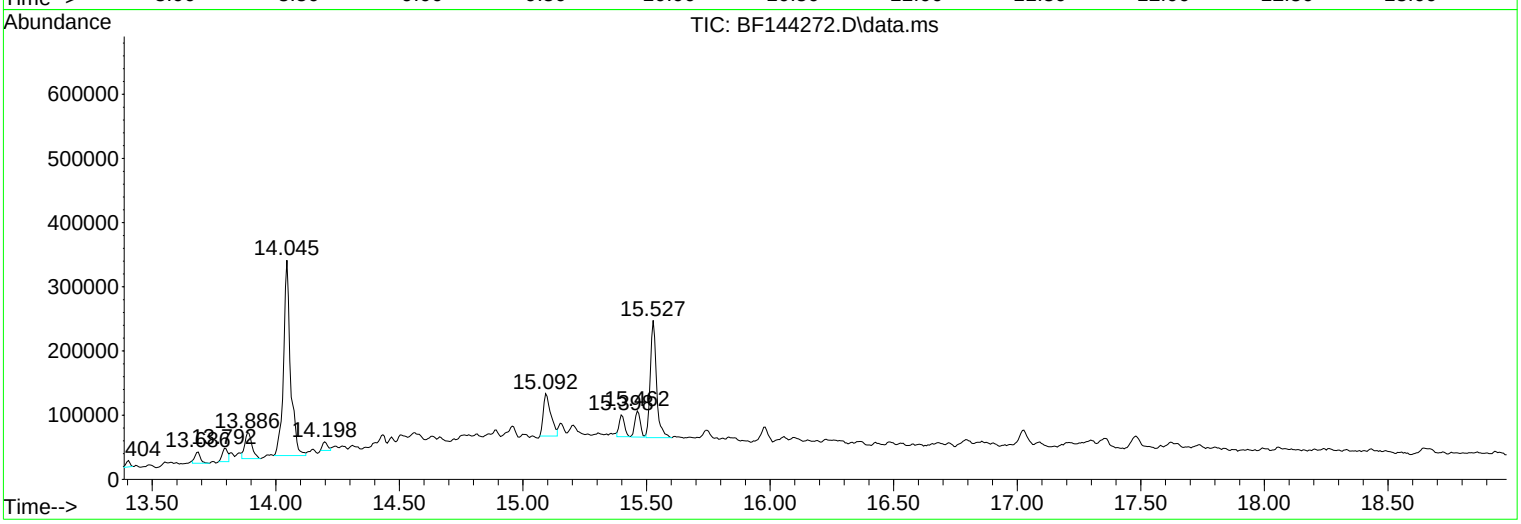
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

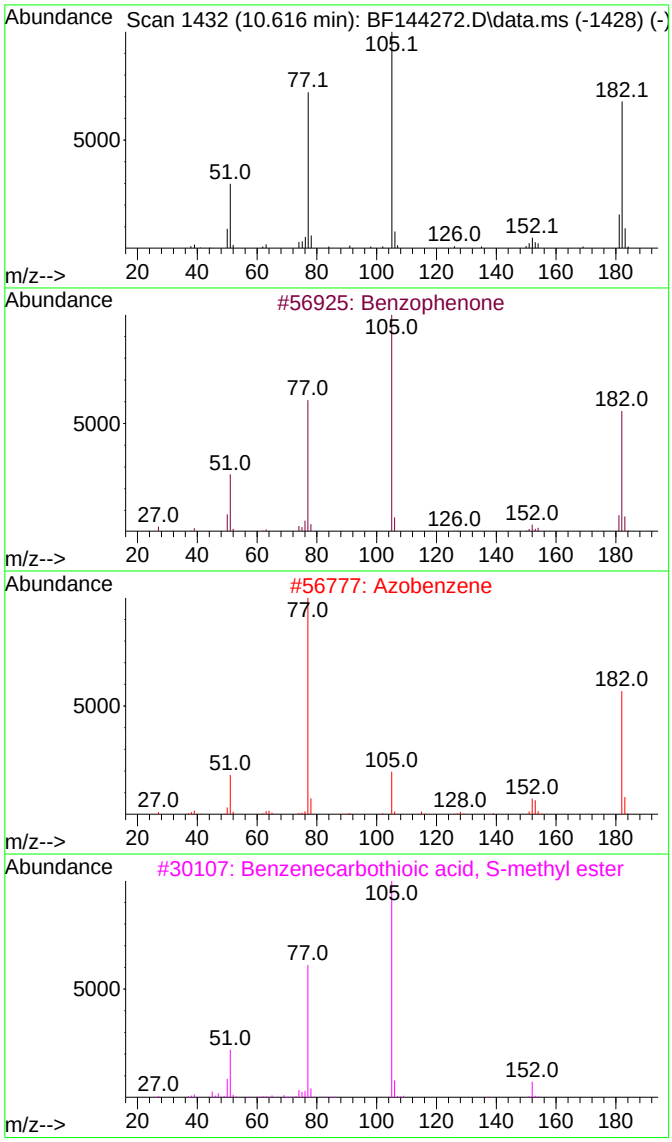
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

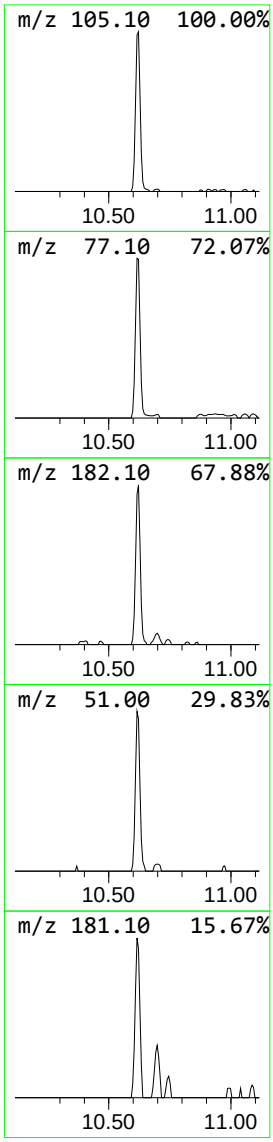
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Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.07 ng	81418	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
4	Benzoylformic acid	150	C8H6O3	000611-73-4	53
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On    : 17 Nov 2025  17:28
Operator  : RC/JU
Sample    : Q3649-03
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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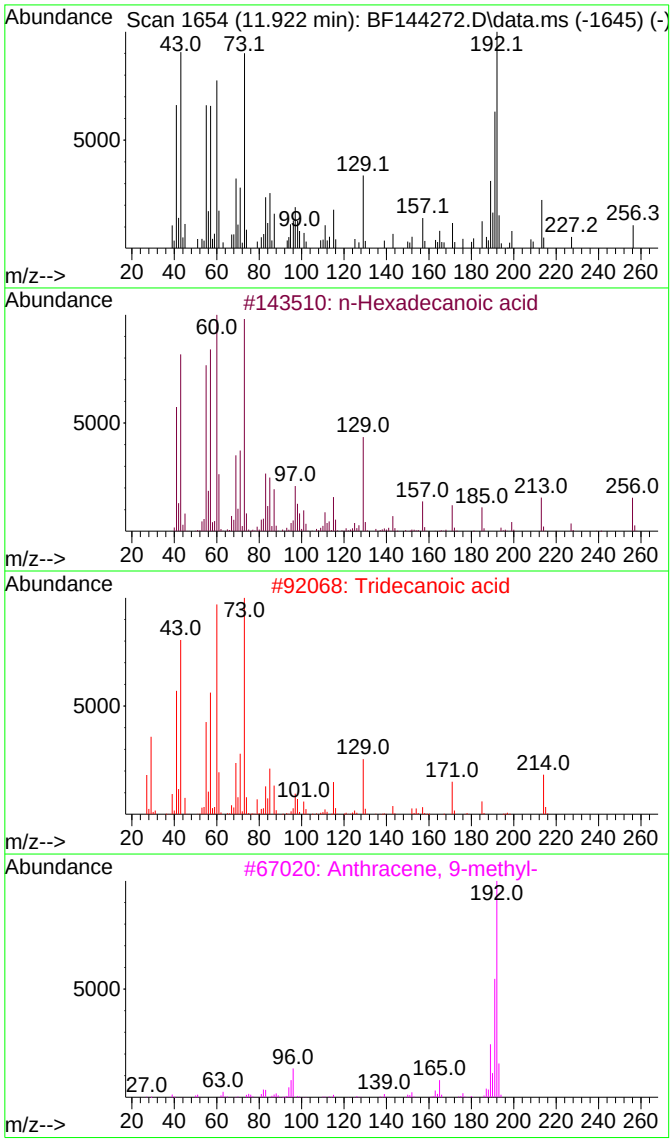
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

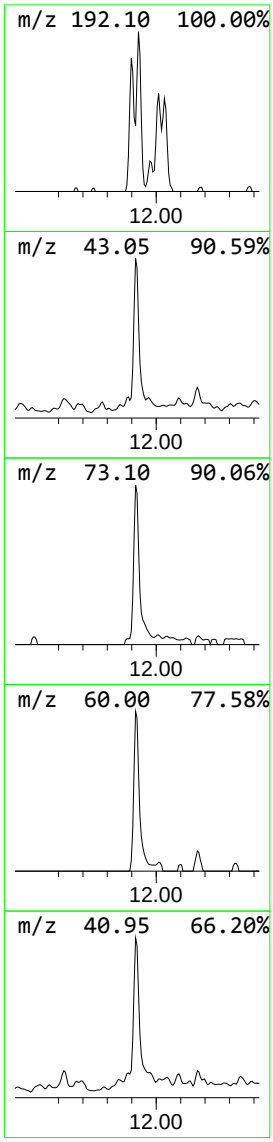
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	6.29 ng	147812	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	66
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

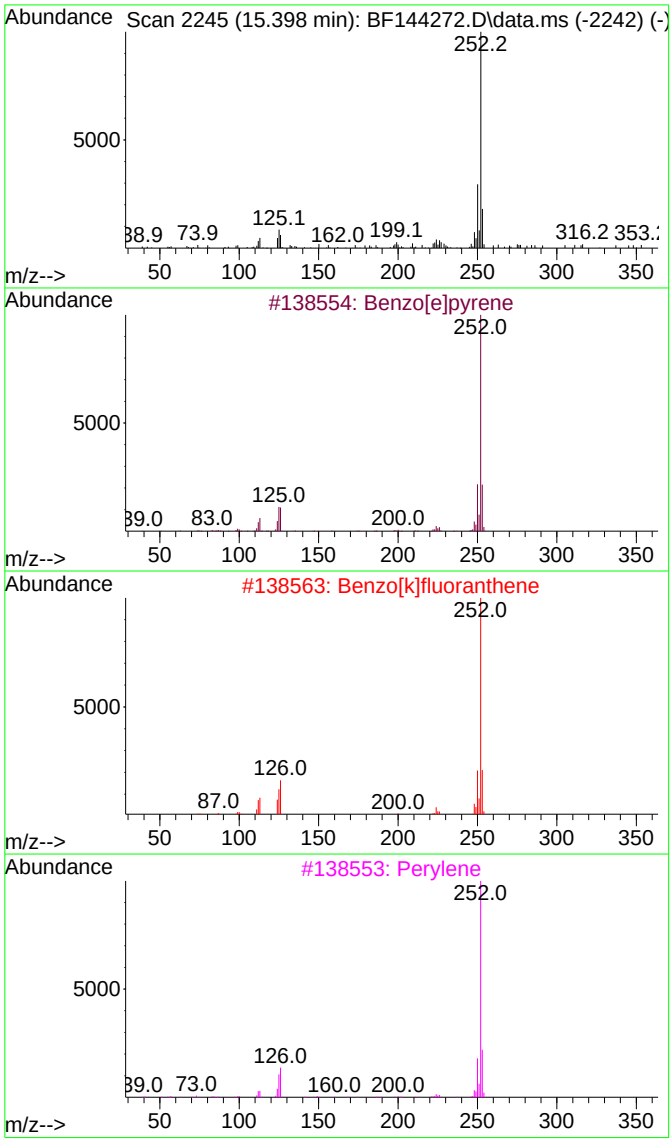
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

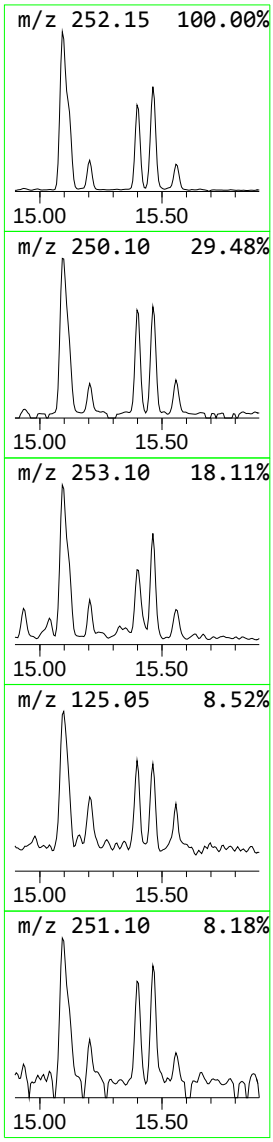
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Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.14 ng	49408	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.616	4.1	ng	81418	3	9.904	400159	20.0
n-Hexadecanoic ...	11.922	6.3	ng	147812	4	11.398	469636	20.0
Benzo[e]pyrene	15.398	3.1	ng	49408	6	15.527	314326	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

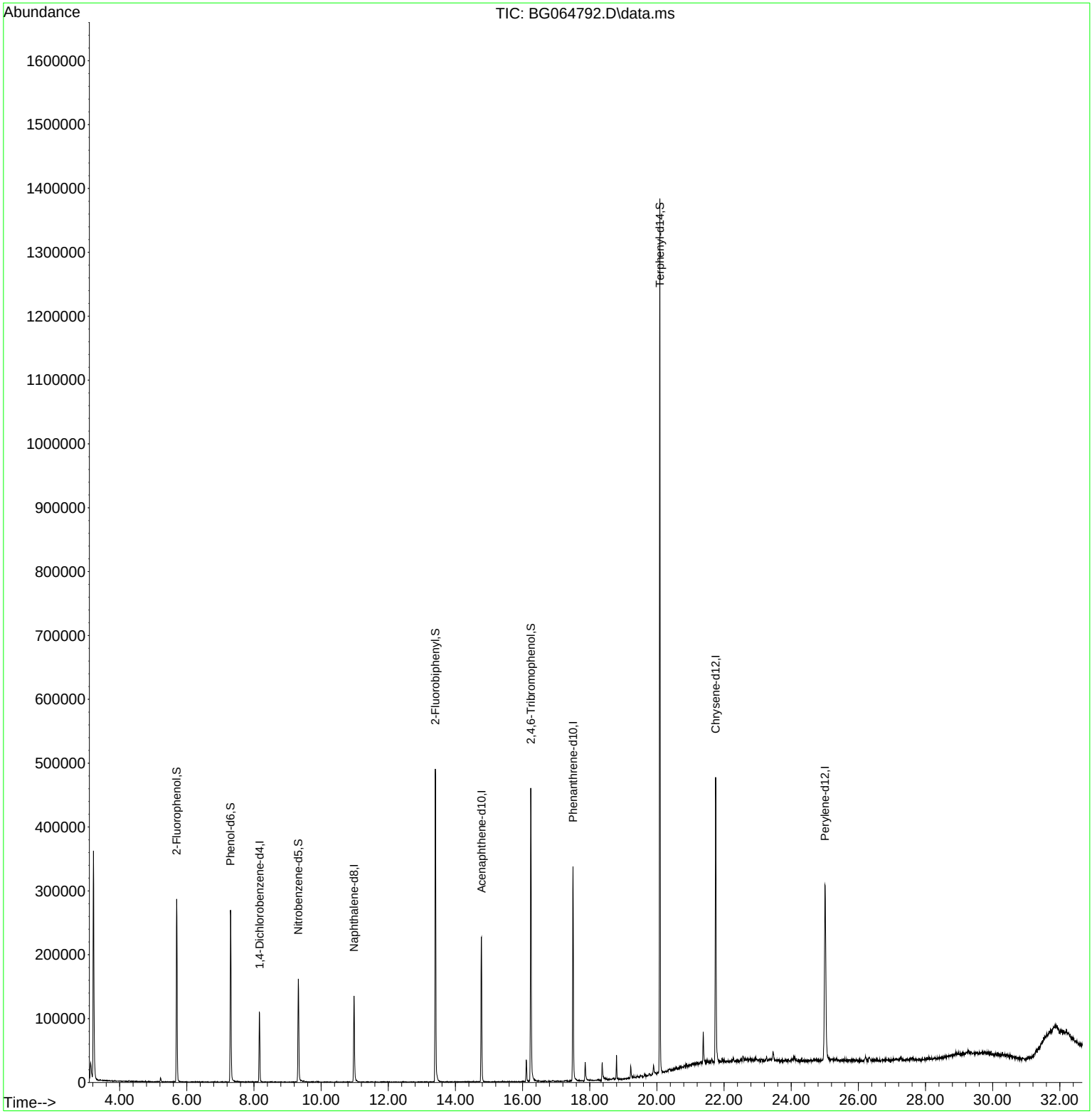
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	33180	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	121269	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	93445	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	234373	20.000	ng	0.00
76) Chrysene-d12	21.751	240	327722	20.000	ng	0.00
86) Perylene-d12	25.006	264	336150	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	122605	64.525	ng	0.00
7) Phenol-d6	7.303	99	159416	63.079	ng	0.00
23) Nitrobenzene-d5	9.324	82	101547	41.402	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	120768	66.266	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	286692	42.809	ng	0.00
79) Terphenyl-d14	20.088	244	743942	44.654	ng	0.00
Target Compounds						Qvalue

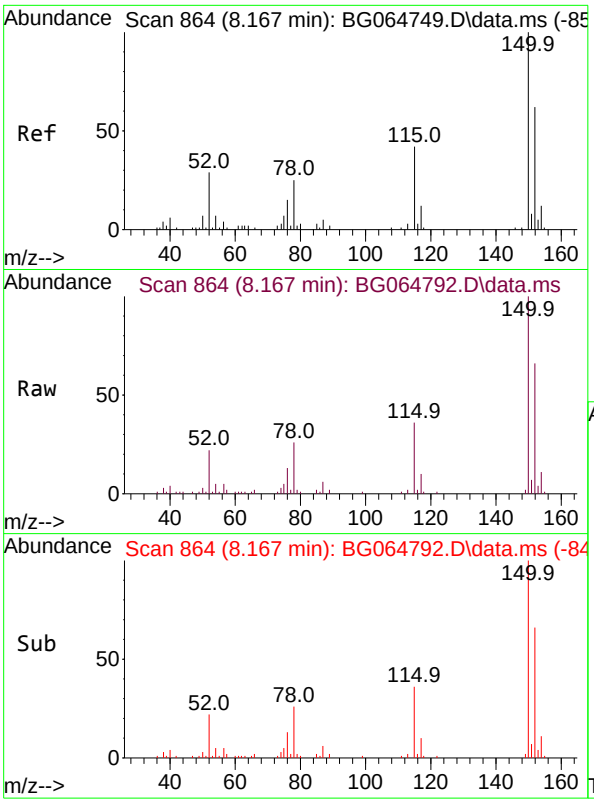
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



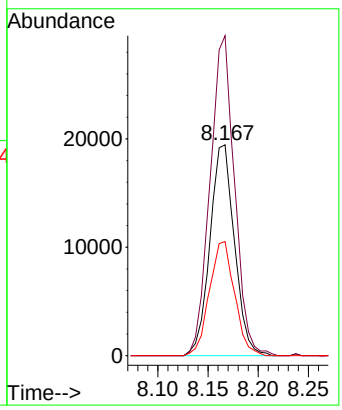


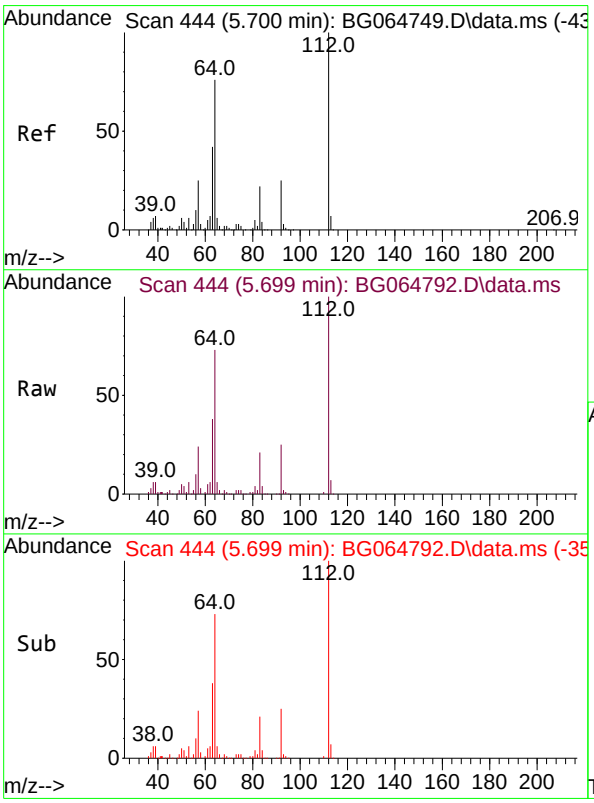
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:152 Resp: 33180

Ion	Ratio	Lower	Upper
152	100		
150	151.7	129.2	193.8
115	54.1	53.7	80.5

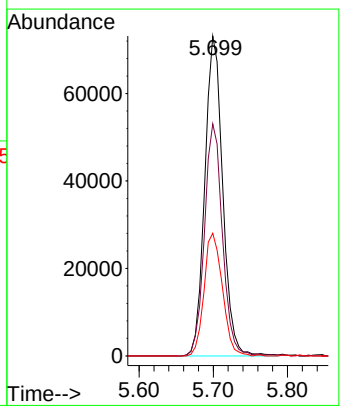


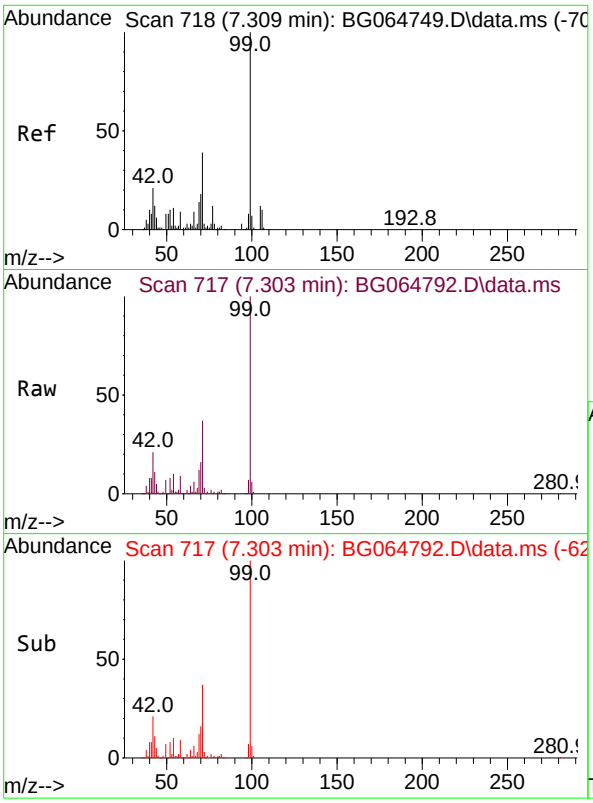


#5
2-Fluorophenol
Concen: 64.525 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:112 Resp: 122605

Ion	Ratio	Lower	Upper
112	100		
64	72.5	61.0	91.4
63	38.3	33.3	49.9



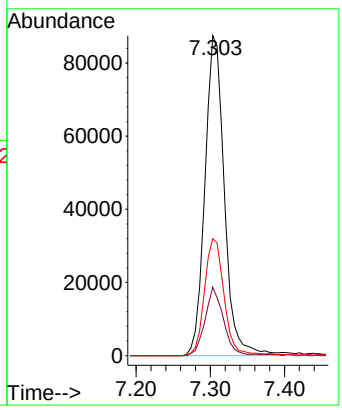


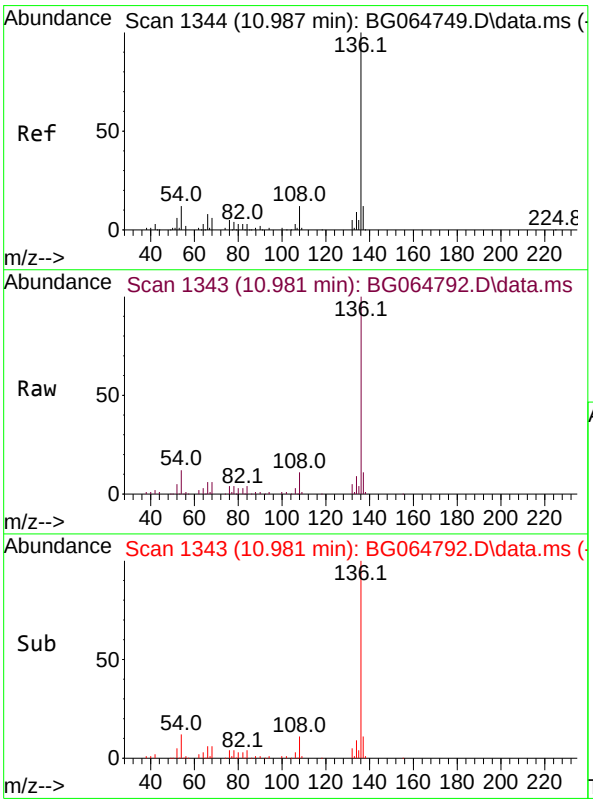
#7
Phenol-d6
Concen: 63.079 ng
RT: 7.303 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 99 Resp: 159416

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	36.6	31.1	46.7

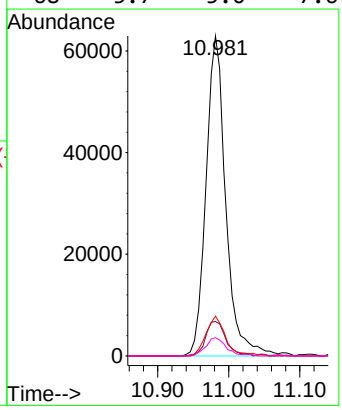


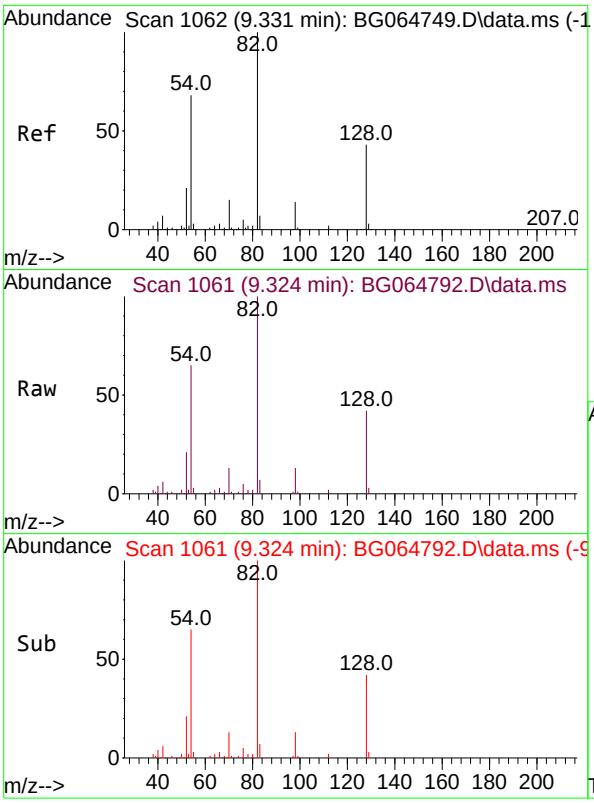


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:136 Resp: 121269

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	12.4	9.3	13.9
68	5.7	5.0	7.6



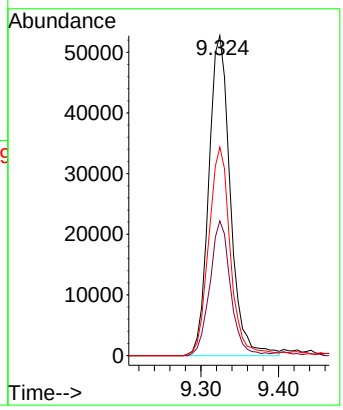


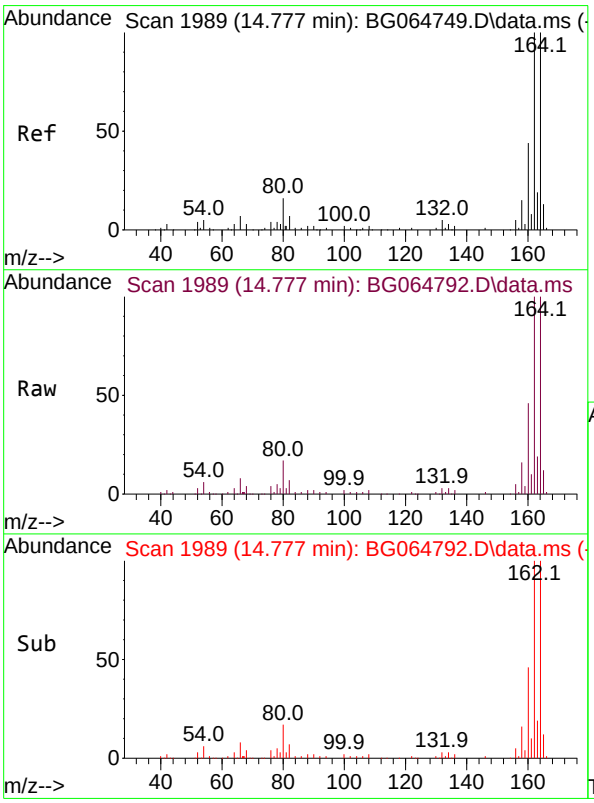
#23
Nitrobenzene-d5
Concen: 41.402 ng
RT: 9.324 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 82 Resp: 101547

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.1	51.1
54	65.2	54.3	81.5

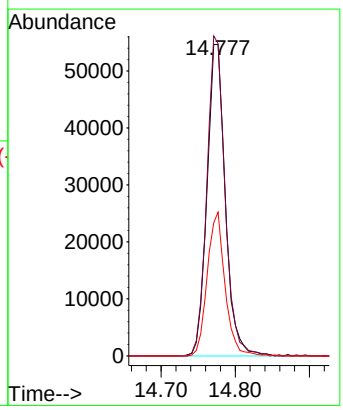


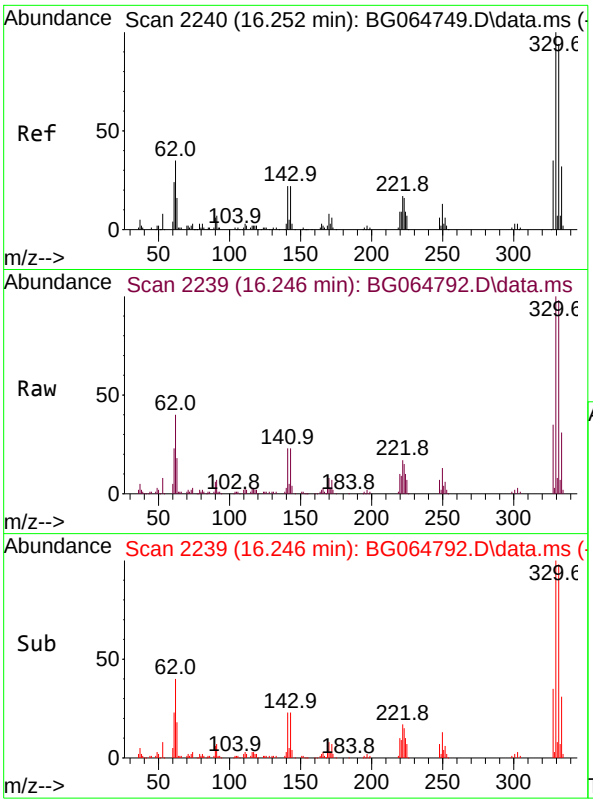


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:164 Resp: 93445

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.8	119.6
160	46.1	34.9	52.3



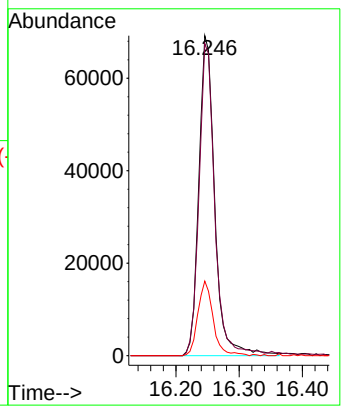


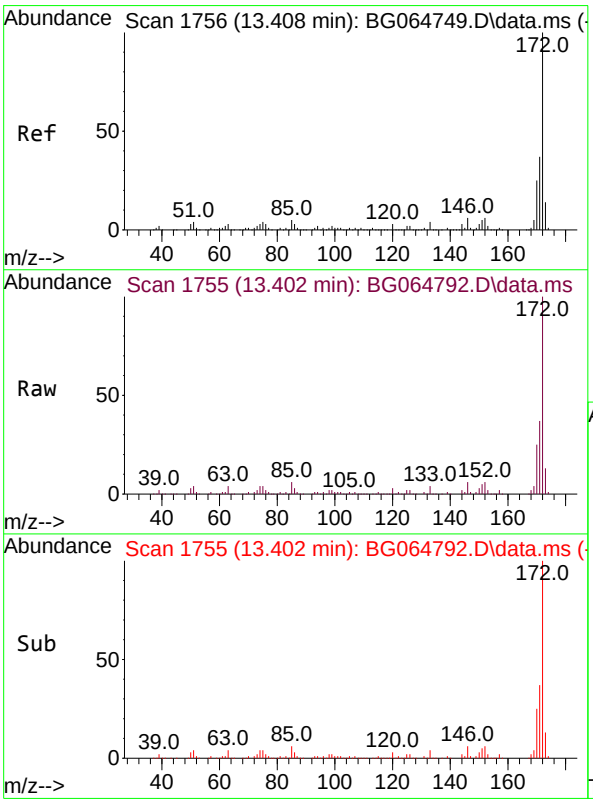
#42
2,4,6-Tribromophenol
Concen: 66.266 ng
RT: 16.246 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:330 Resp: 120768

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	22.3	18.2	27.2

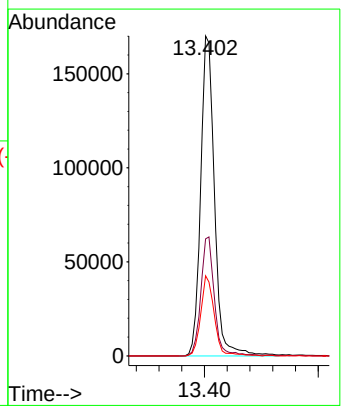


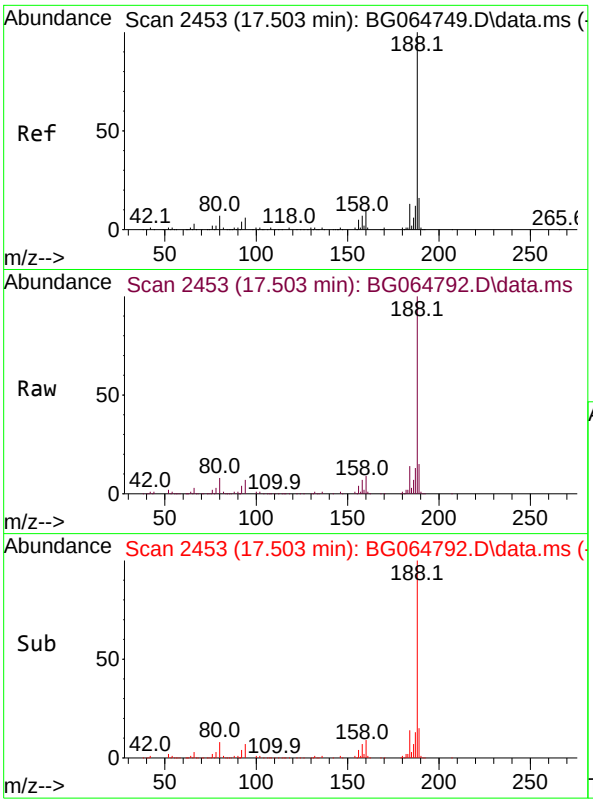


#45
2-Fluorobiphenyl
Concen: 42.809 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:172 Resp: 286692

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	25.0	19.8	29.6



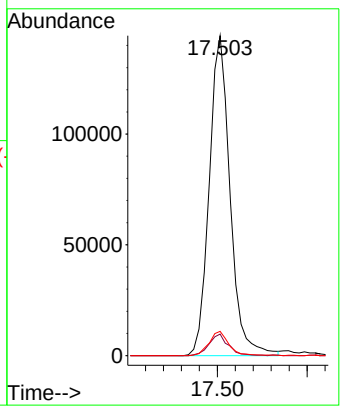


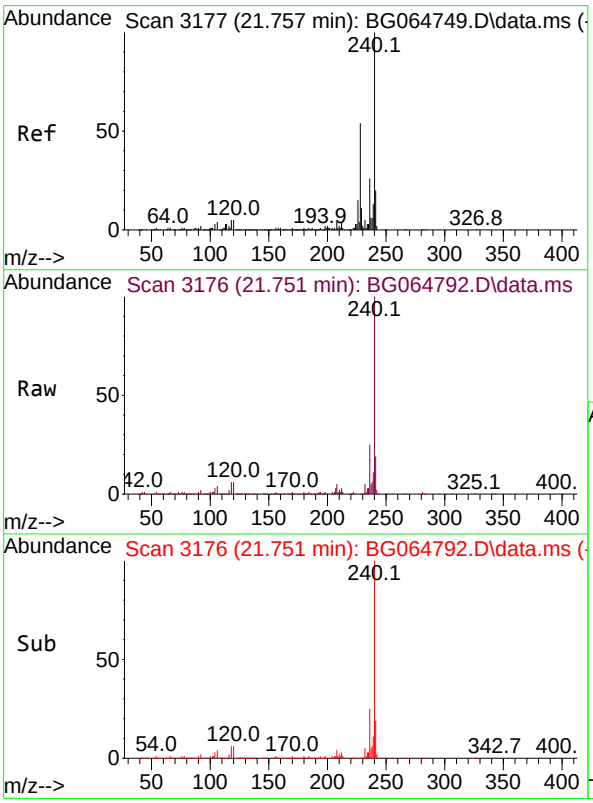
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:188 Resp: 234373

Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.7	7.1
80	7.6	5.4	8.2

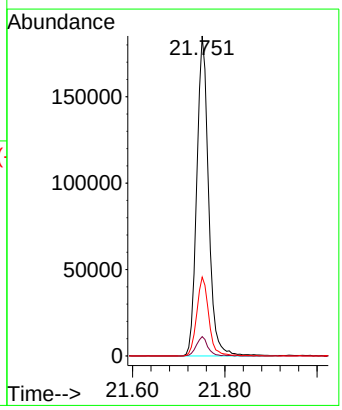


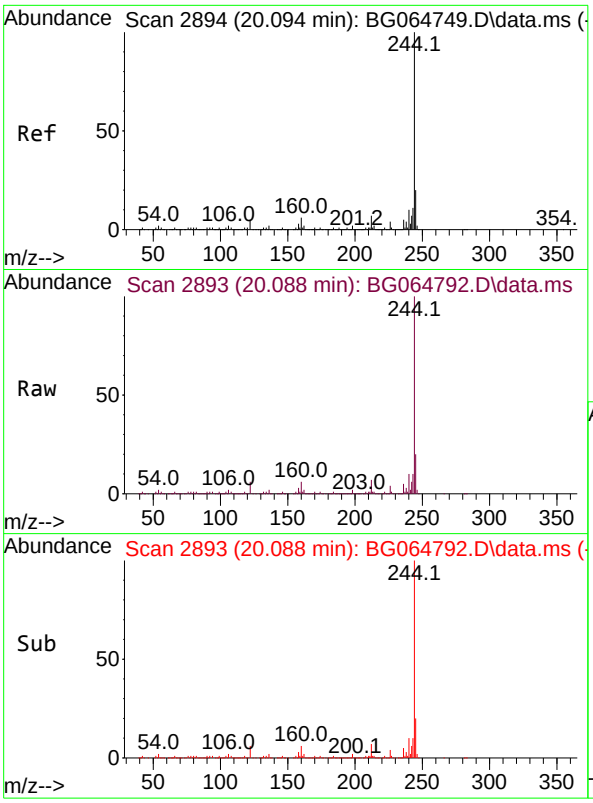


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:240 Resp: 327722

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	24.6	20.8	31.2



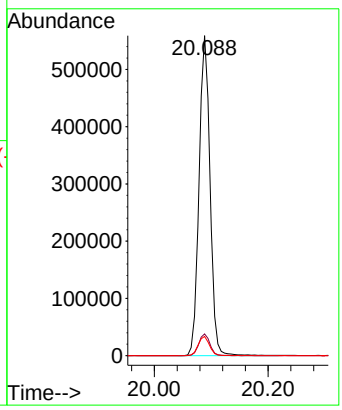


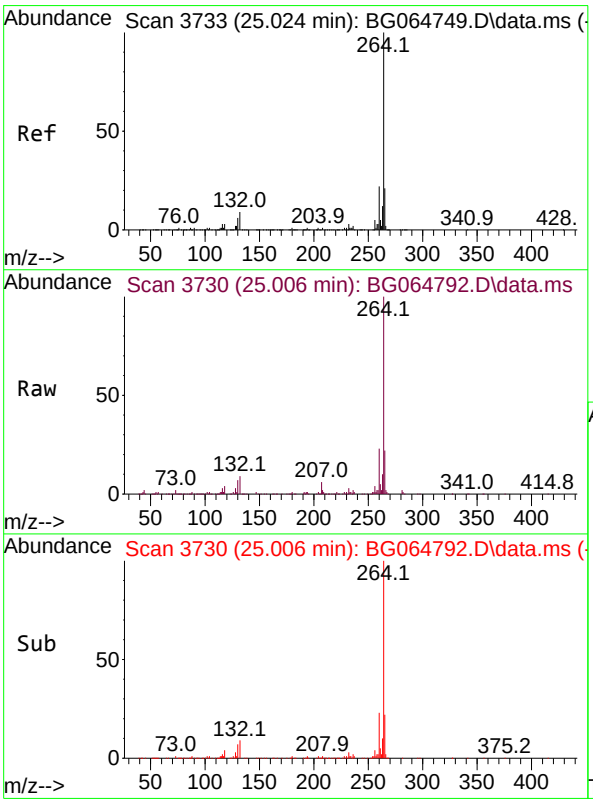
#79
Terphenyl-d14
Concen: 44.654 ng
RT: 20.088 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:244 Resp: 743942

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.0	4.3	6.5

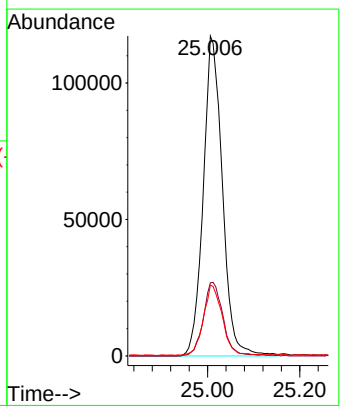




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3730
Delta R.T. -0.018 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:264 Resp: 336150

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.2	25.8
265	22.1	16.6	25.0



Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064792.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.137	3	8	16	rBV2	24029	56416	3.08%	0.649%
2	3.220	16	22	37	rVB	358073	621596	33.92%	7.156%
3	5.699	437	444	458	rBV	286388	481786	26.29%	5.546%
4	7.303	709	717	733	rBV	269542	497305	27.13%	5.725%
5	8.161	856	863	870	rBV	110648	190381	10.39%	2.192%
6	9.324	1051	1061	1072	rBV	161898	313619	17.11%	3.610%
7	10.981	1333	1343	1354	rBV	135305	261990	14.30%	3.016%
8	13.402	1749	1755	1771	rBV	490367	806132	43.99%	9.280%
9	14.777	1982	1989	2003	rVB	226564	389273	21.24%	4.481%
10	16.111	2211	2216	2222	rBV2	34395	53914	2.94%	0.621%
11	16.246	2230	2239	2256	rBV	459971	776051	42.34%	8.934%
12	17.503	2445	2453	2464	rBV2	336141	541394	29.54%	6.232%
13	17.867	2507	2515	2519	rBV2	30218	49603	2.71%	0.571%
14	18.373	2597	2601	2607	rBV2	28573	49921	2.72%	0.575%
15	18.796	2669	2673	2679	rVB	37242	43910	2.40%	0.505%
16	19.219	2741	2745	2752	rBV4	18858	28855	1.57%	0.332%
17	19.900	2857	2861	2866	rBV3	13933	23816	1.30%	0.274%
18	20.088	2887	2893	2904	rBV	1368690	1832737	100.00%	21.098%
19	21.381	3109	3113	3119	rBV3	49643	75723	4.13%	0.872%
20	21.751	3169	3176	3190	rBV2	446651	807552	44.06%	9.296%
21	25.006	3721	3730	3743	rBV	271993	784924	42.83%	9.036%

Sum of corrected areas: 8686898

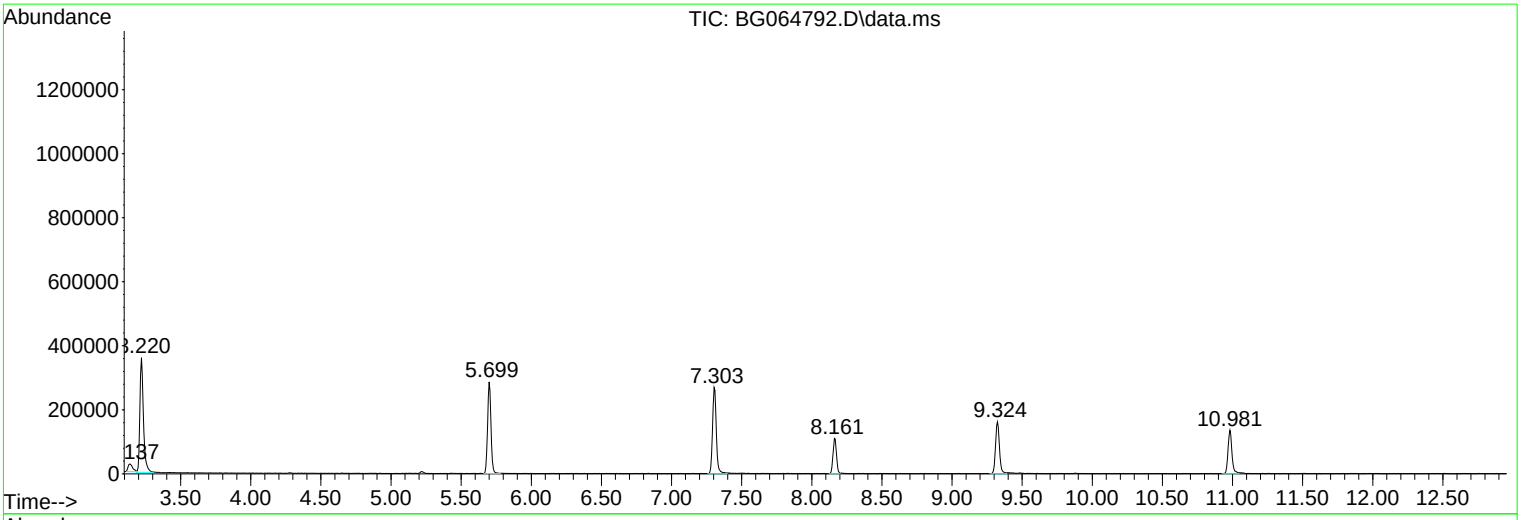
Sample Results: **BG064792.D**

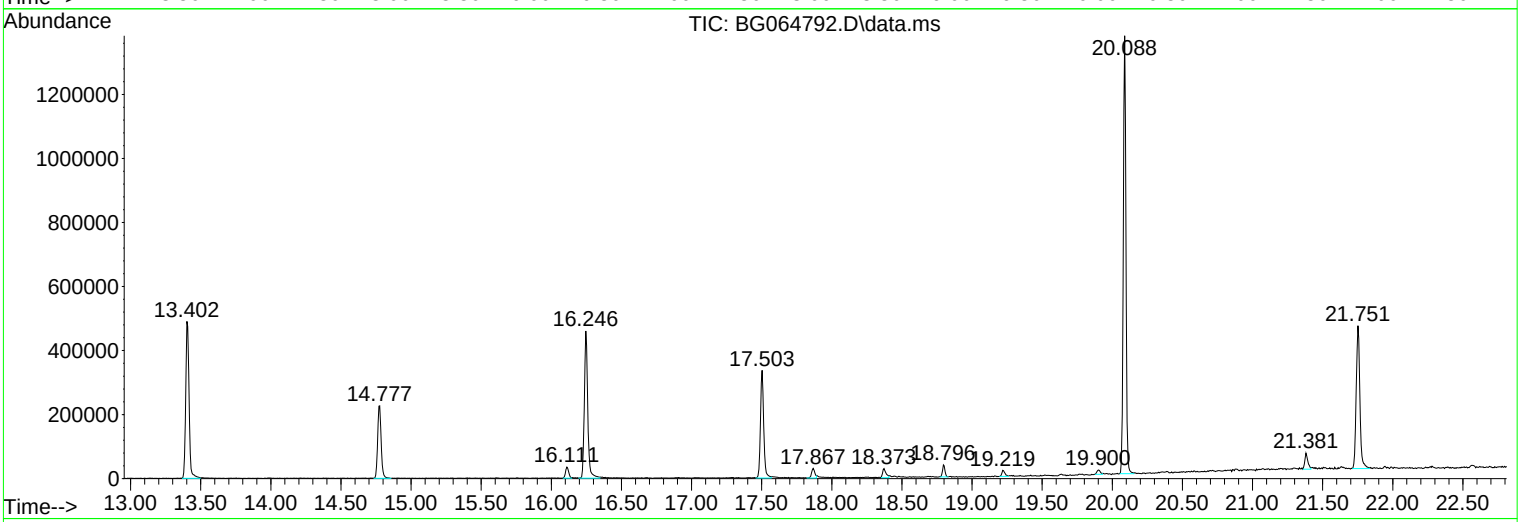
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

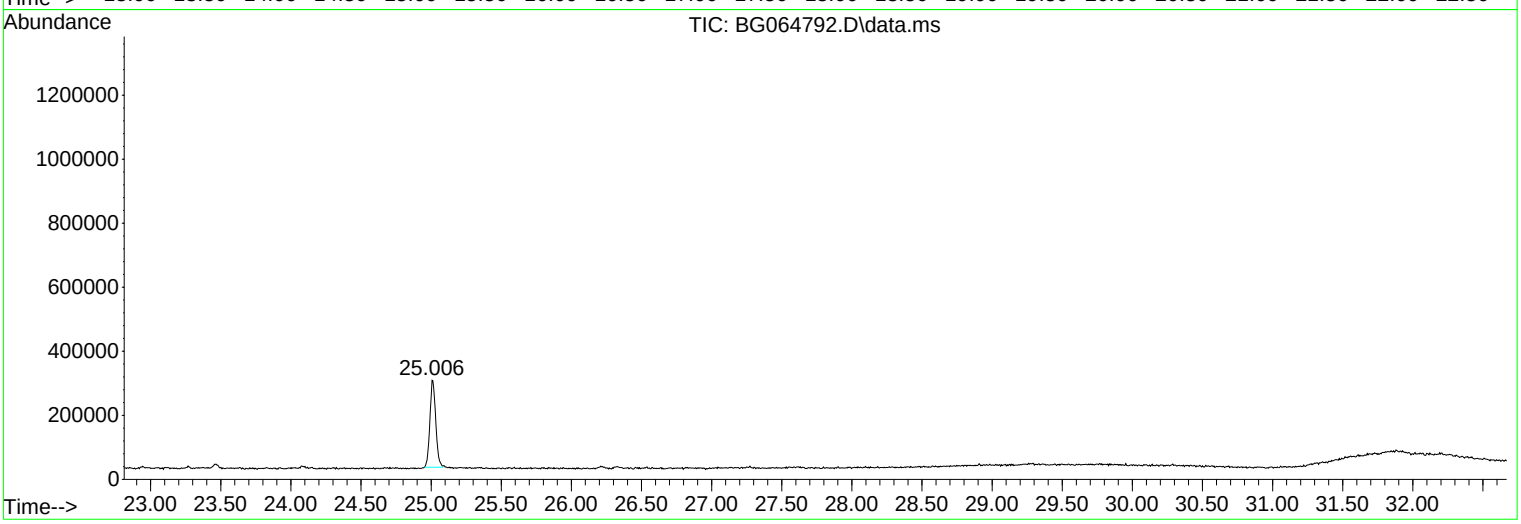
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

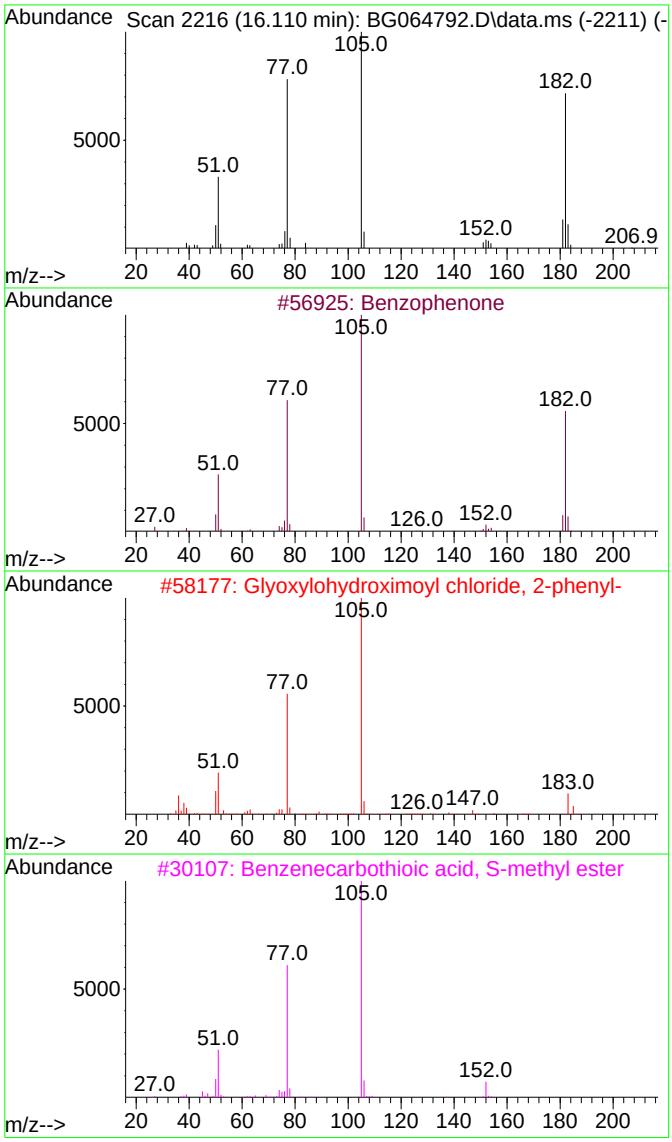
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

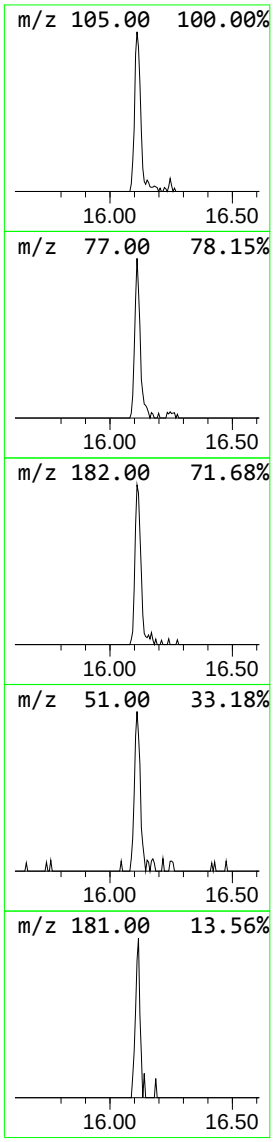
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.110	2.77 ng	53914	Acenaphthene-d10	14.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	52
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
4	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.110	2.8	ng	53914	3	14.777	389273	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

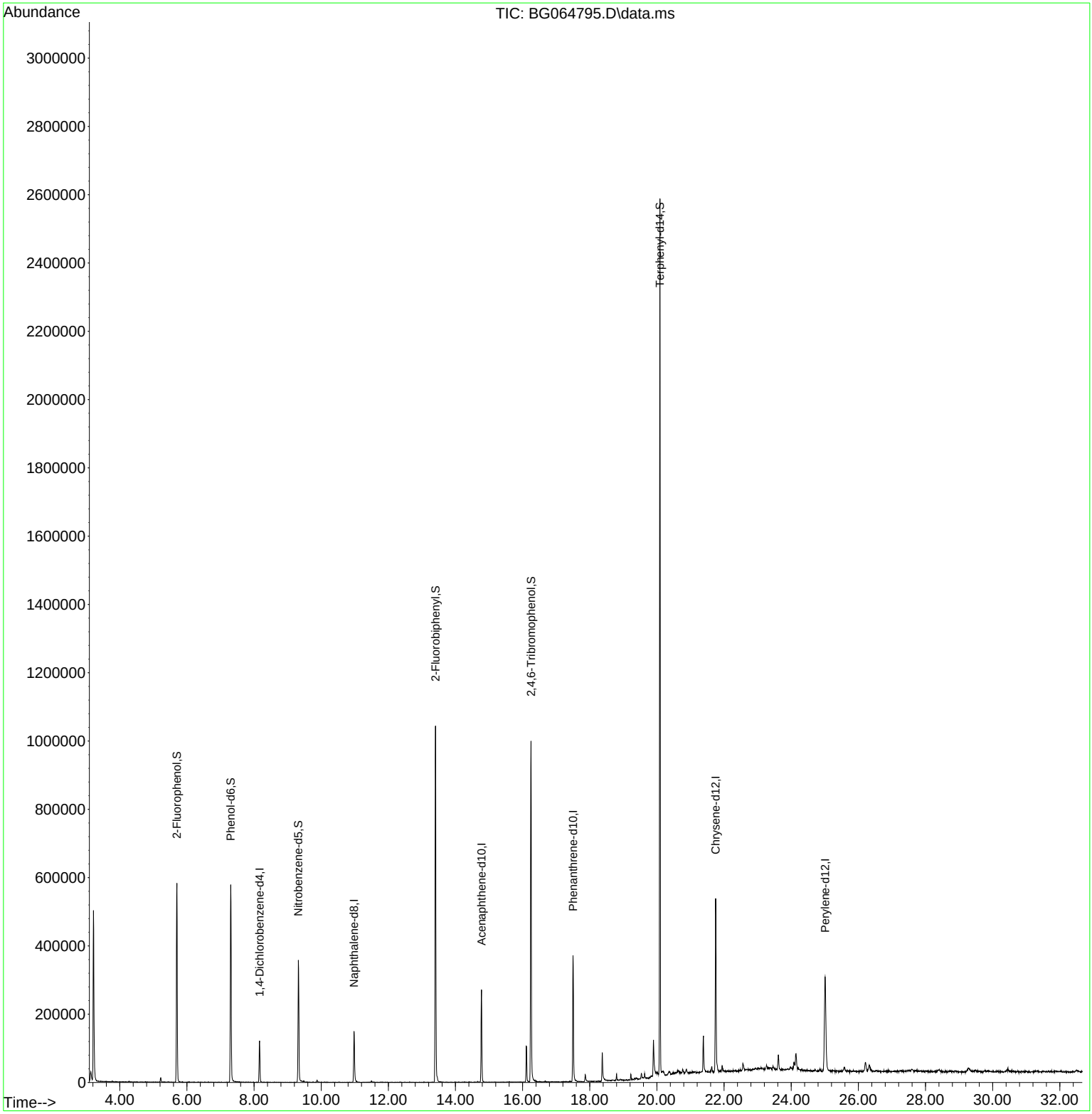
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	36122	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	135327	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	107446	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	269264	20.000	ng	0.00
76) Chrysene-d12	21.748	240	355916	20.000	ng	0.00
86) Perylene-d12	25.009	264	358460	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	250174	120.940	ng	0.00
7) Phenol-d6	7.306	99	331319	120.422	ng	0.00
23) Nitrobenzene-d5	9.322	82	212928	77.795	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	258052	123.144	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	599039	77.794	ng	0.00
79) Terphenyl-d14	20.092	244	1431969	79.143	ng	0.00
Target Compounds						Qvalue

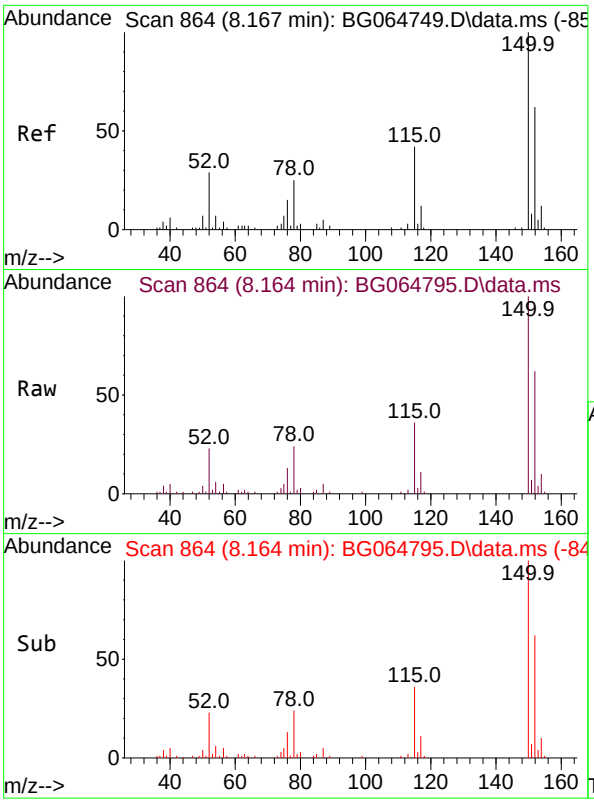
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



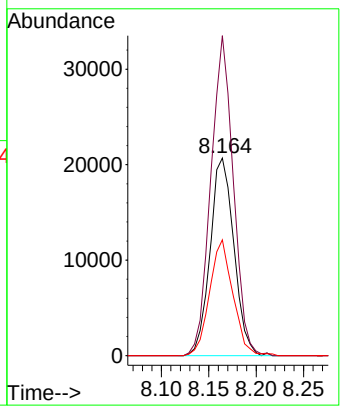


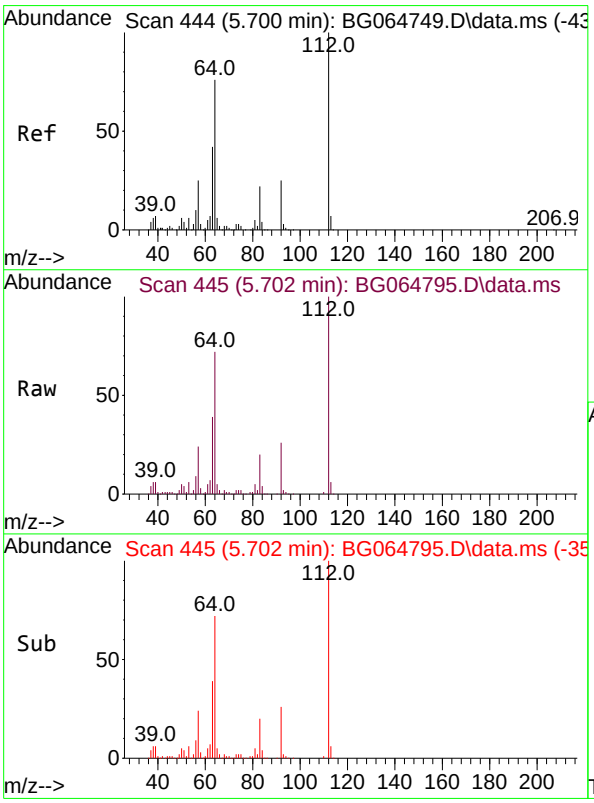
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:152 Resp: 36122

Ion	Ratio	Lower	Upper
152	100		
150	162.0	129.2	193.8
115	58.6	53.7	80.5

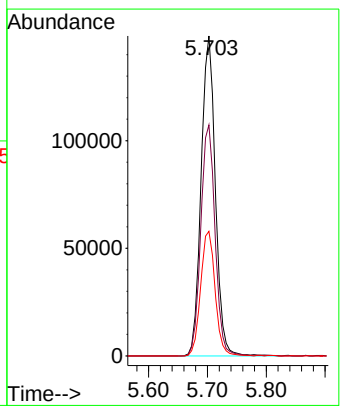


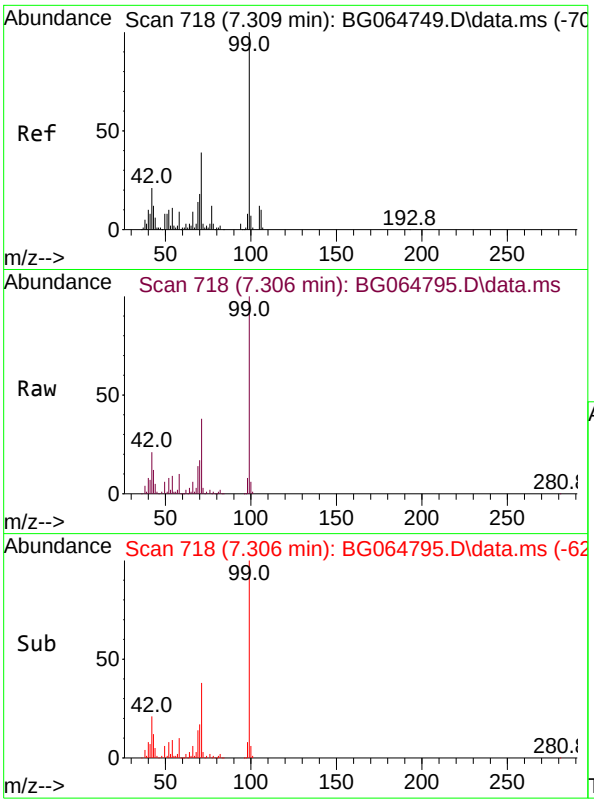


#5
2-Fluorophenol
Concen: 120.940 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:112 Resp: 250174

Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	38.9	33.3	49.9



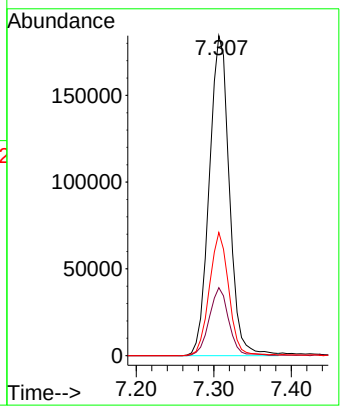


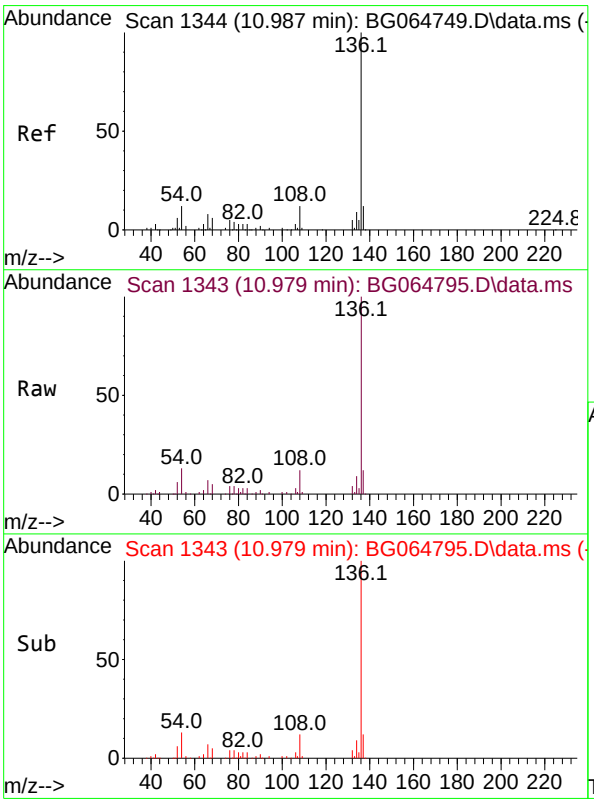
#7
Phenol-d6
Concen: 120.422 ng
RT: 7.306 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 99 Resp: 331319

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	38.5	31.1	46.7

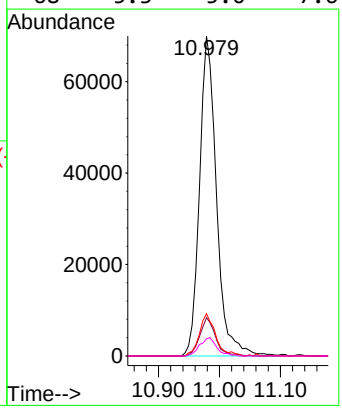


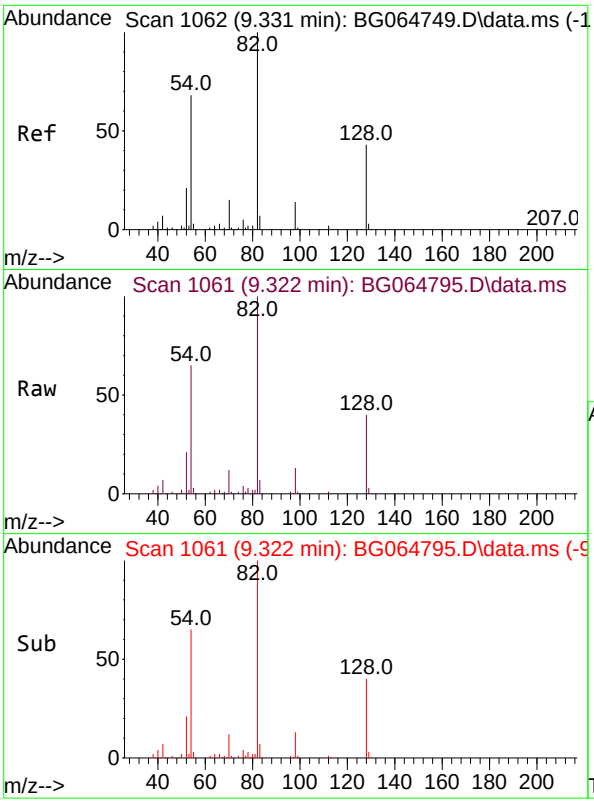


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:136 Resp: 135327

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	13.2	9.3	13.9
68	5.3	5.0	7.6



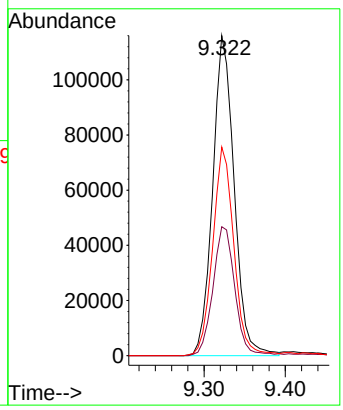


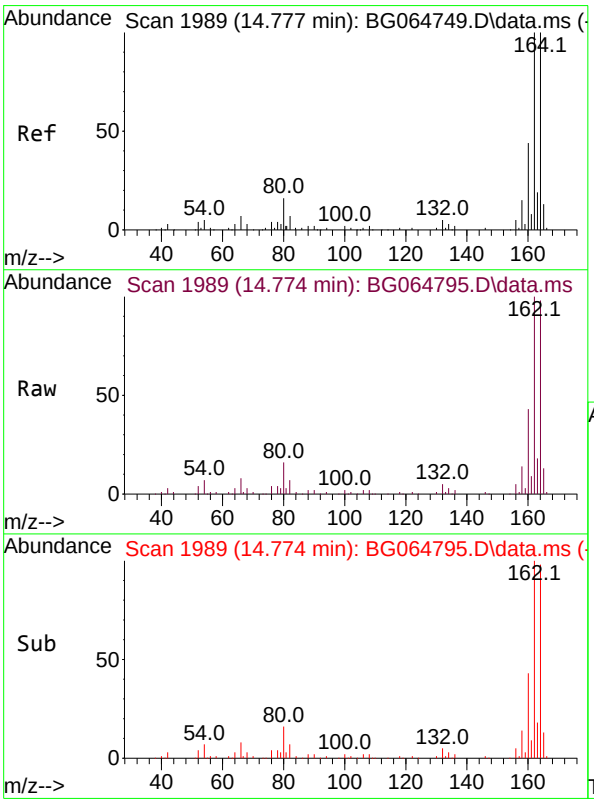
#23
Nitrobenzene-d5
Concen: 77.795 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 82 Resp: 212928

Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.1	51.1
54	65.2	54.3	81.5

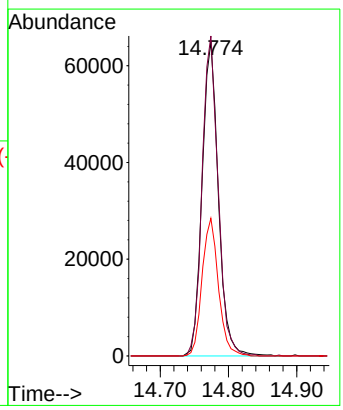


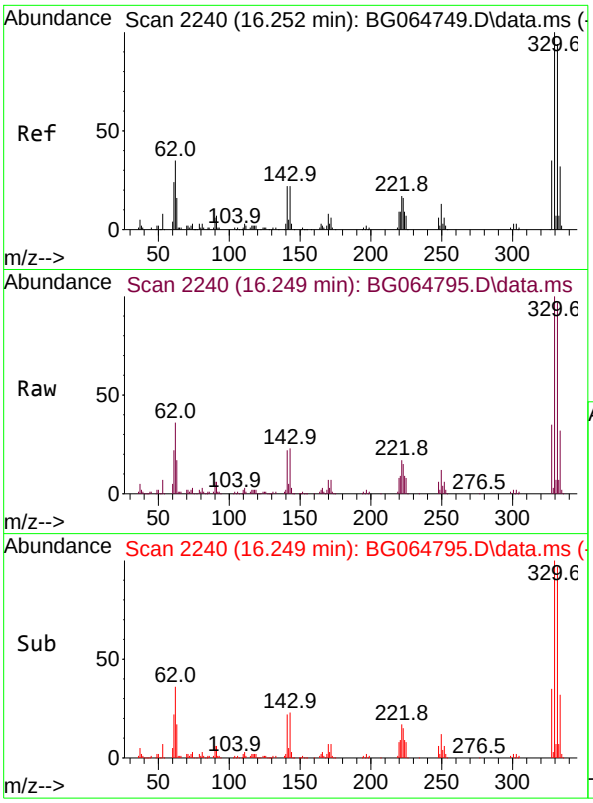


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:164 Resp: 107446

Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.8	119.6
160	43.8	34.9	52.3



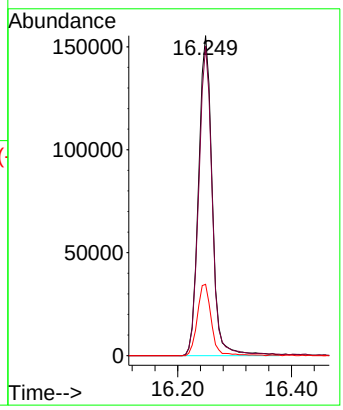


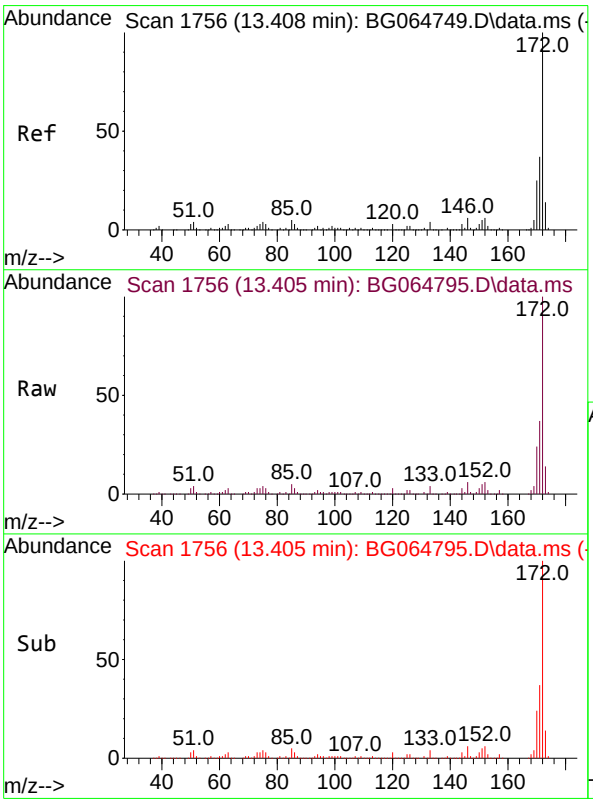
#42
2,4,6-Tribromophenol
Concen: 123.144 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:330 Resp: 258052

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	22.8	18.2	27.2

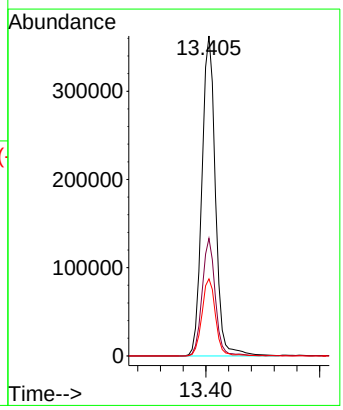


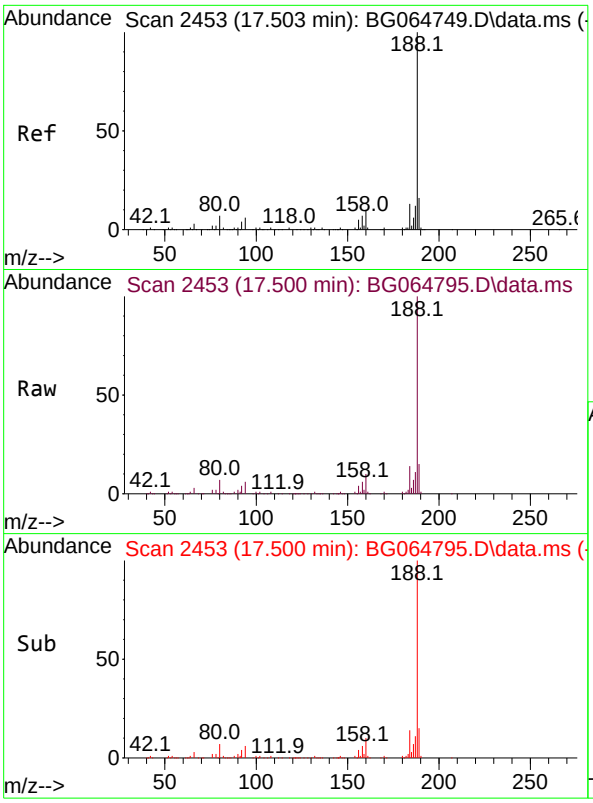


#45
2-Fluorobiphenyl
Concen: 77.794 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:172 Resp: 599039

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	24.1	19.8	29.6



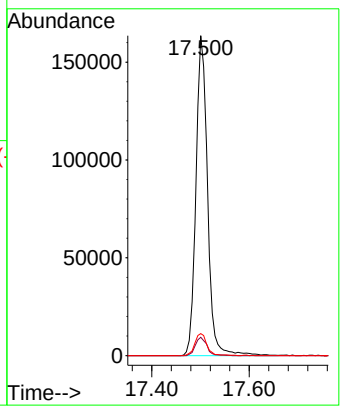


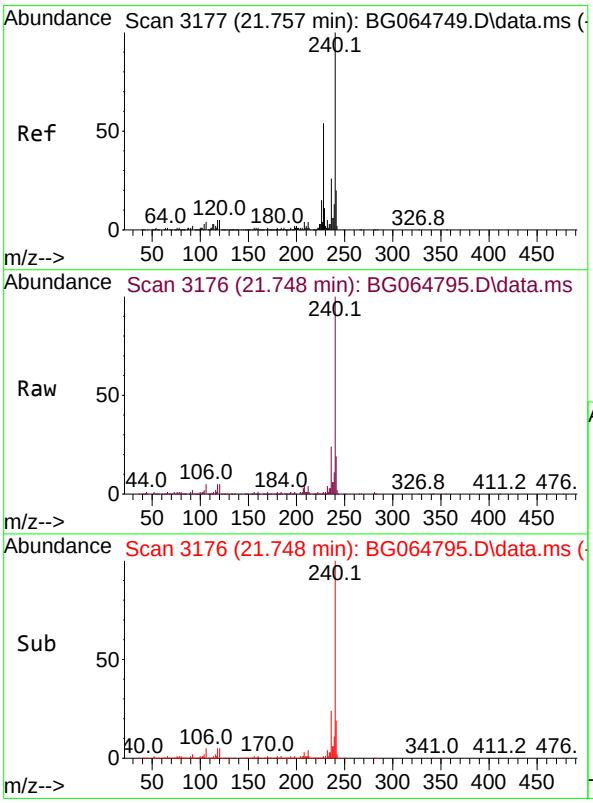
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:188 Resp: 269264

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.9	5.4	8.2

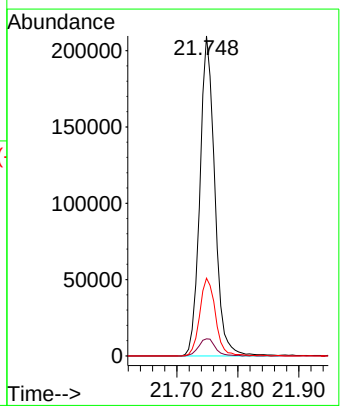


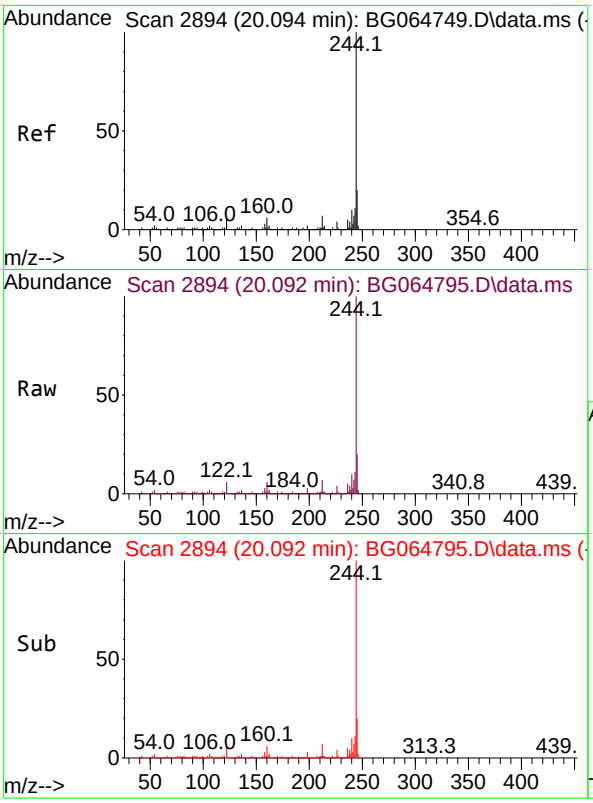


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:240 Resp: 355916

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	24.3	20.8	31.2



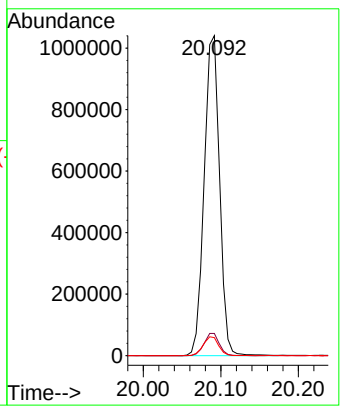


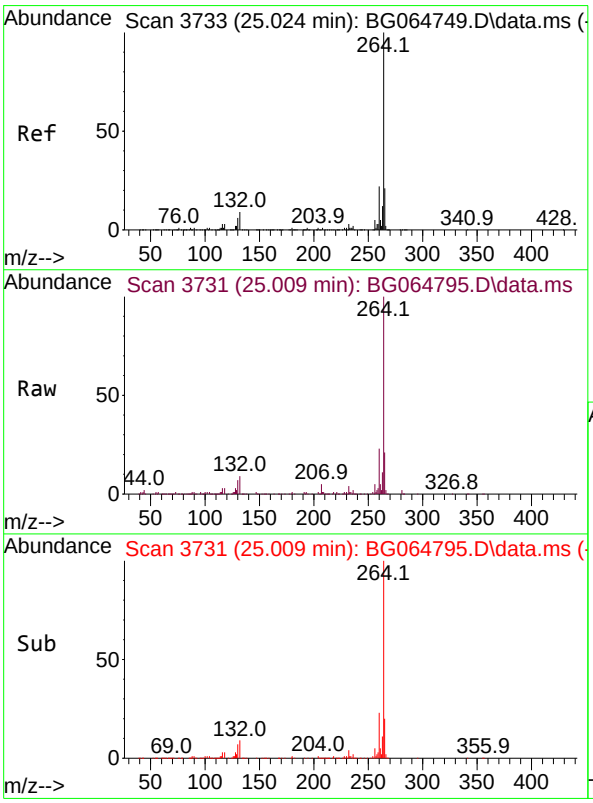
#79
Terphenyl-d14
Concen: 79.143 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:244 Resp: 1431969

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	5.6	4.3	6.5

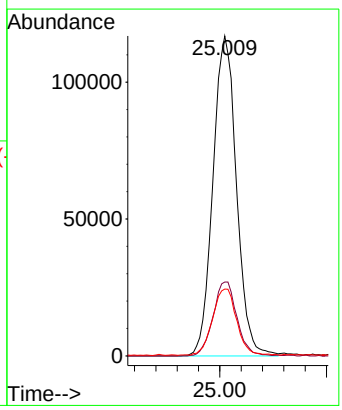




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:264 Resp: 358460

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.2	25.8
265	20.9	16.6	25.0



Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.141	3	9	16	rBV4	24217	54201	1.54%	0.366%
2	3.217	16	22	37	rVB	498686	845818	23.97%	5.716%
3	5.703	437	445	456	rBV	582903	979510	27.75%	6.619%
4	7.307	710	718	735	rBV	578319	1045738	29.63%	7.067%
5	8.164	857	864	871	rBV	121370	207665	5.88%	1.403%
6	9.322	1052	1061	1073	rBV	357337	656332	18.60%	4.435%
7	10.979	1336	1343	1354	rBV	149379	288408	8.17%	1.949%
8	13.405	1749	1756	1778	rBV	1043189	1691981	47.94%	11.434%
9	14.774	1981	1989	2003	rVB	270649	444816	12.60%	3.006%
10	16.108	2210	2216	2223	rBV	104975	164770	4.67%	1.113%
11	16.249	2233	2240	2259	rBV	998090	1648819	46.72%	11.142%
12	17.500	2446	2453	2464	rBV2	369731	611361	17.32%	4.131%
13	17.865	2510	2515	2525	rBV2	20297	38825	1.10%	0.262%
14	18.370	2595	2601	2613	rBV2	84796	158220	4.48%	1.069%
15	19.898	2856	2861	2871	rBV	106079	216873	6.15%	1.466%
16	20.092	2887	2894	2901	rBV	2564984	3529229	100.00%	23.849%
17	21.384	3109	3114	3124	rVB2	104582	173071	4.90%	1.170%
18	21.748	3169	3176	3188	rBV	506689	907500	25.71%	6.132%
19	23.617	3488	3494	3499	rBV5	42987	79739	2.26%	0.539%
20	24.140	3578	3583	3591	rVB4	45501	111105	3.15%	0.751%
21	25.009	3721	3731	3749	rVB	274127	868887	24.62%	5.871%
22	26.214	3929	3936	3945	rVB4	27228	75556	2.14%	0.511%

Sum of corrected areas: 14798424

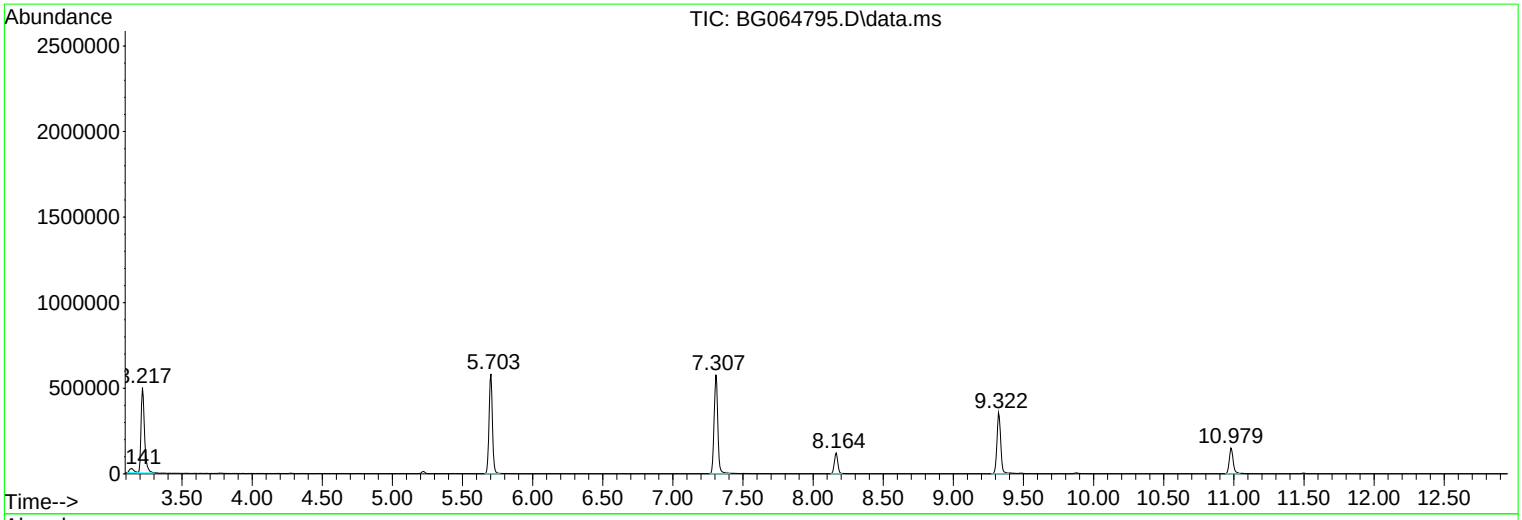
Sample Results: **BG064795.D**

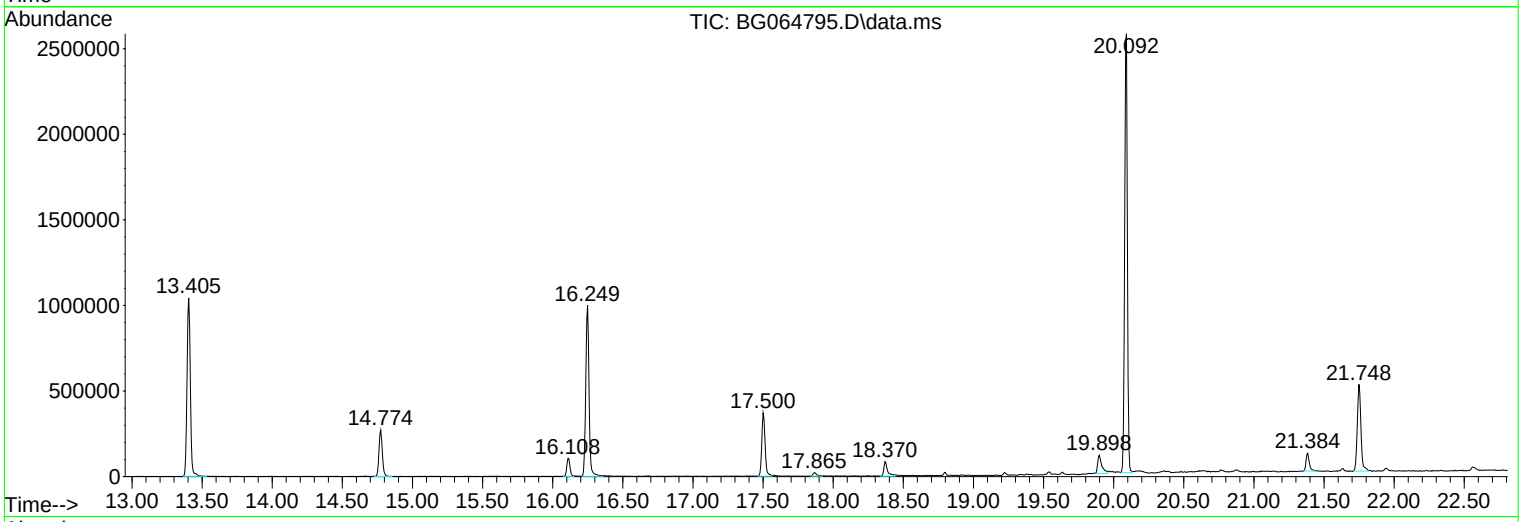
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Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

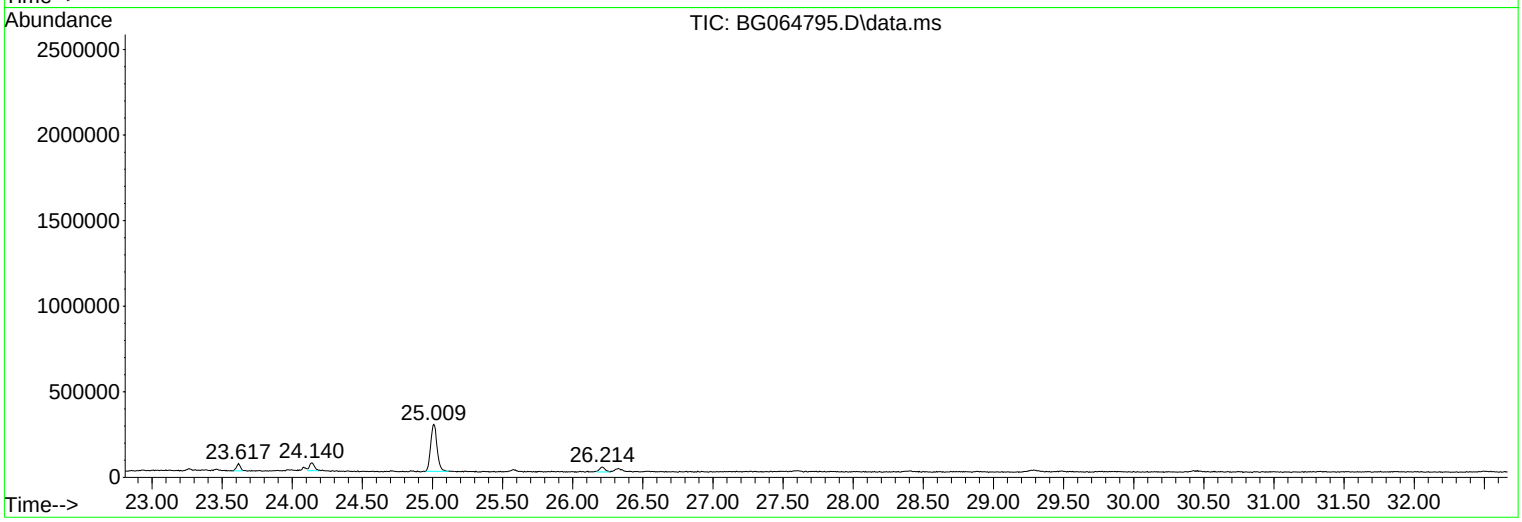
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

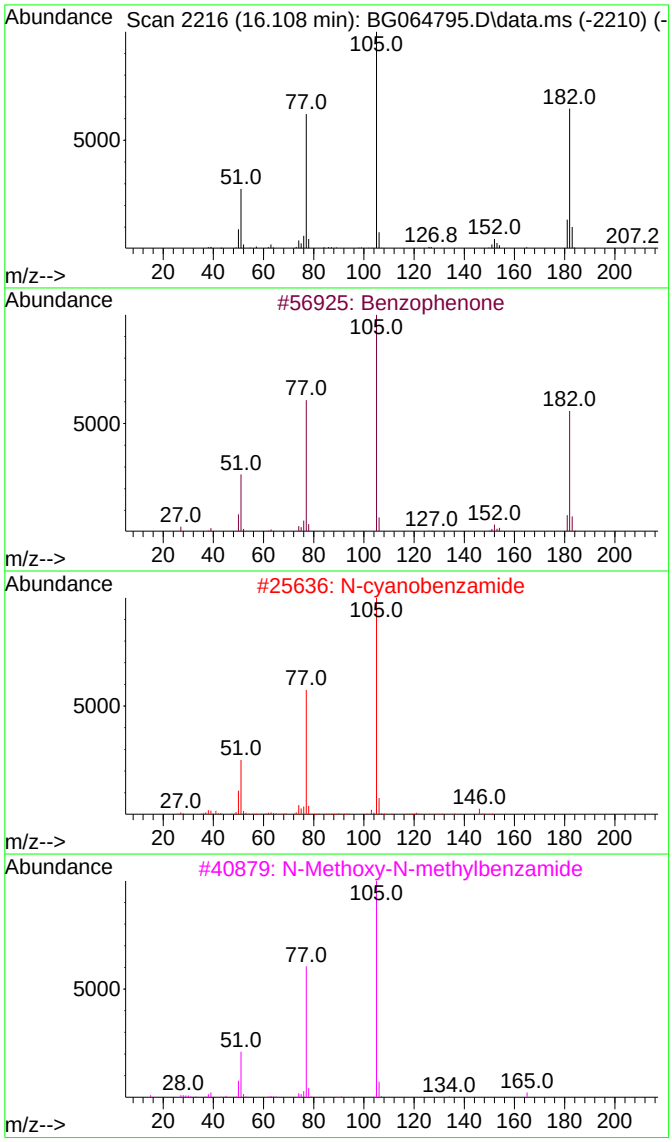
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TIC Integration Parameters: LSCINT.P

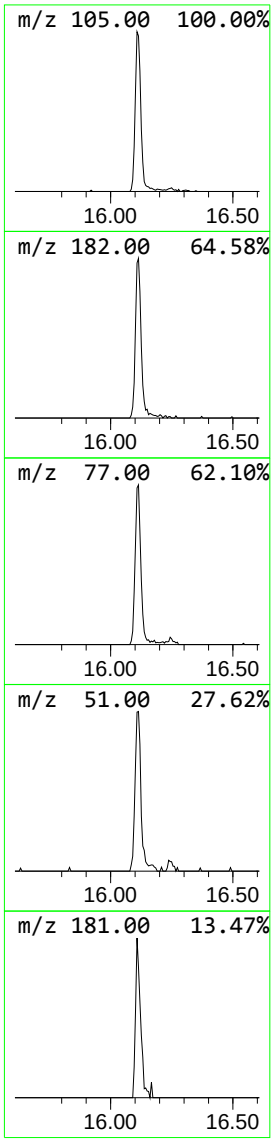
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.108	7.41 ng	164770	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On    : 17 Nov 2025  22:09
Operator  : RC/JU
Sample    : Q3649-08
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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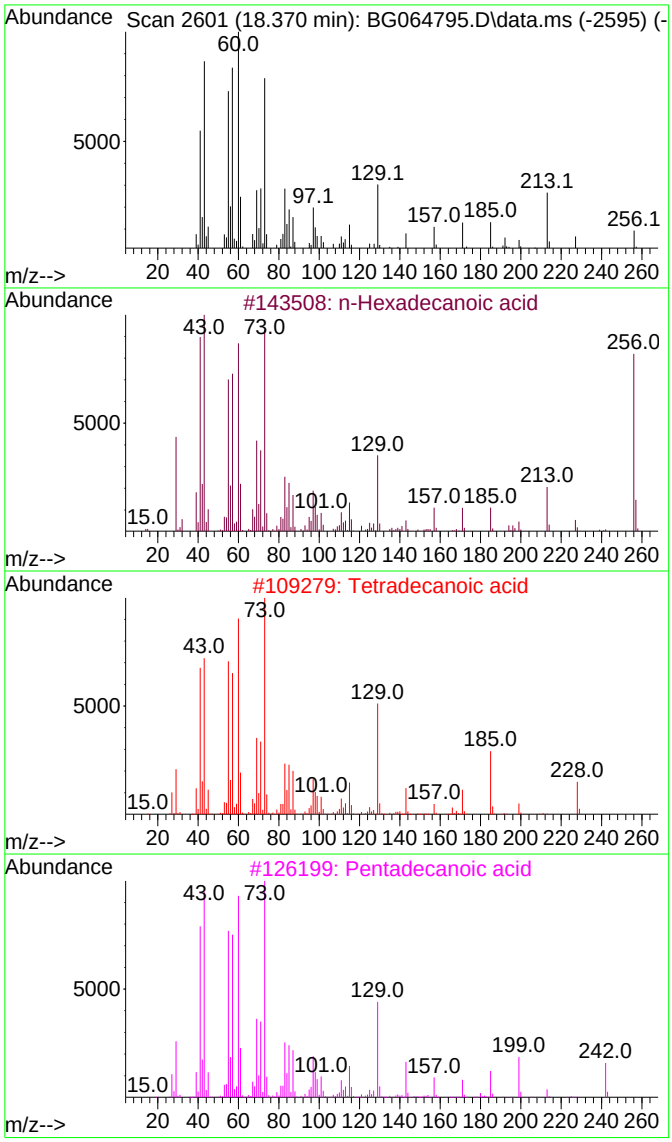
Instrument : BNA_G
ClientSampleId : B3-0.0-0.5-20251114

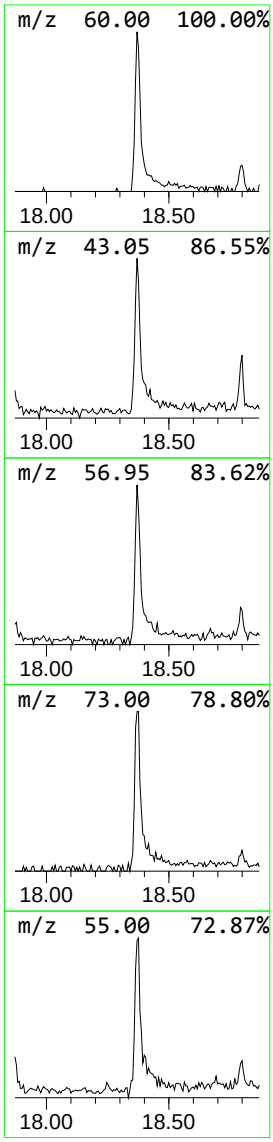
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.370	5.18 ng	158220	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

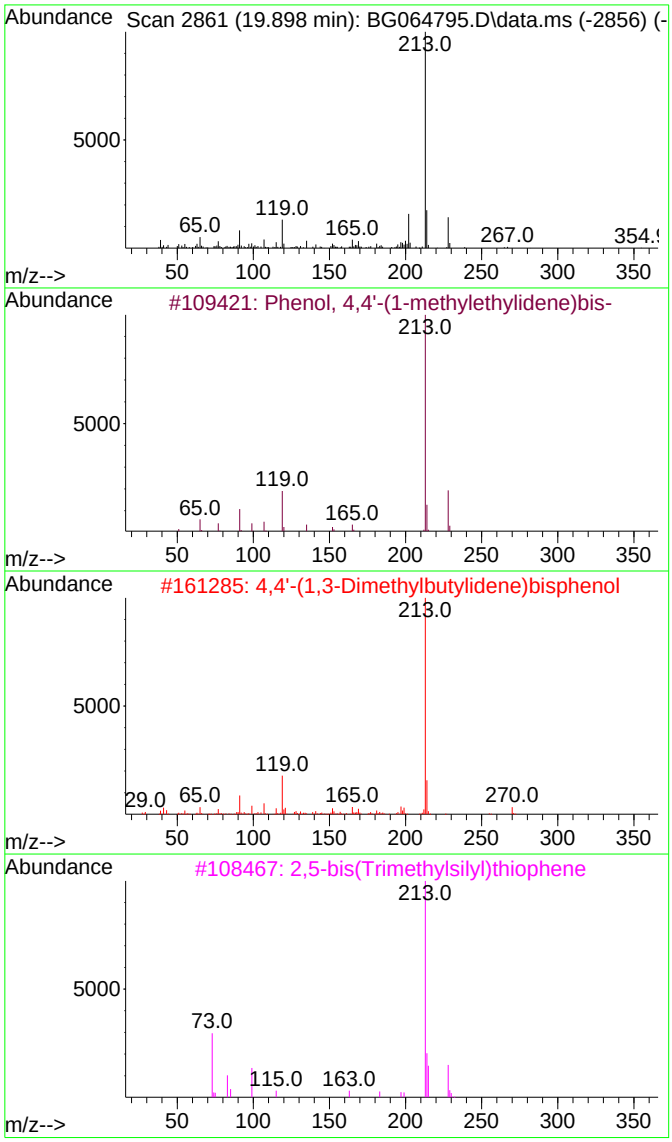
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

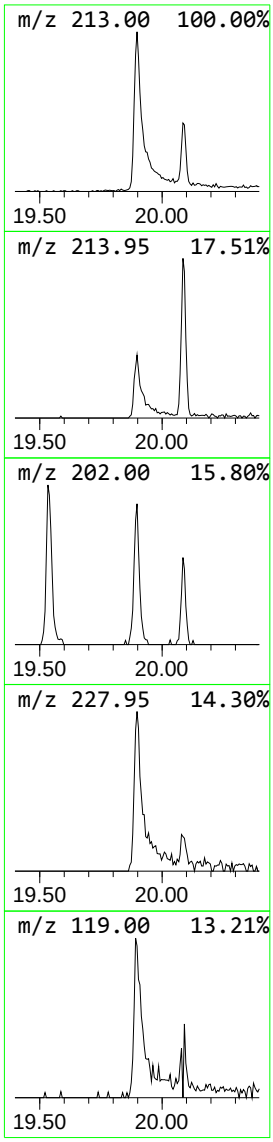
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.898	4.78 ng	216873	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	90
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	59
3	2,5-bis(Trimethylsilyl)thiophene	228	C10H20SSi2	017906-71-7	53
4	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	53
5	1-Methyl-1-n-octyloxy-1-silacycl...	228	C13H28OSi	1010216-91-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

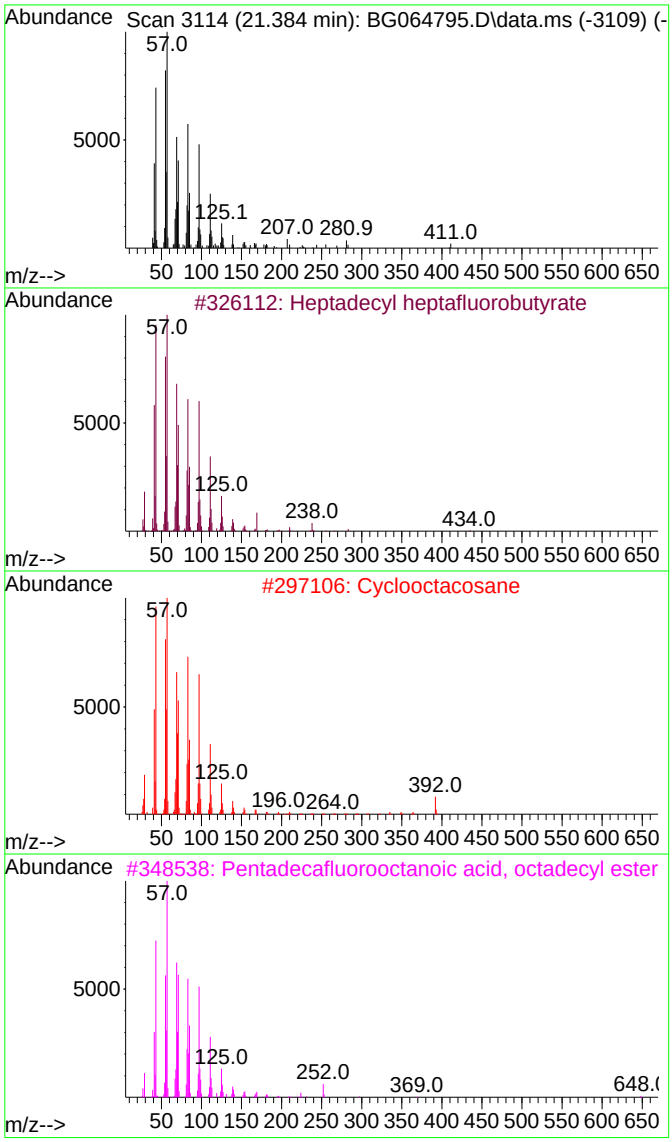
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

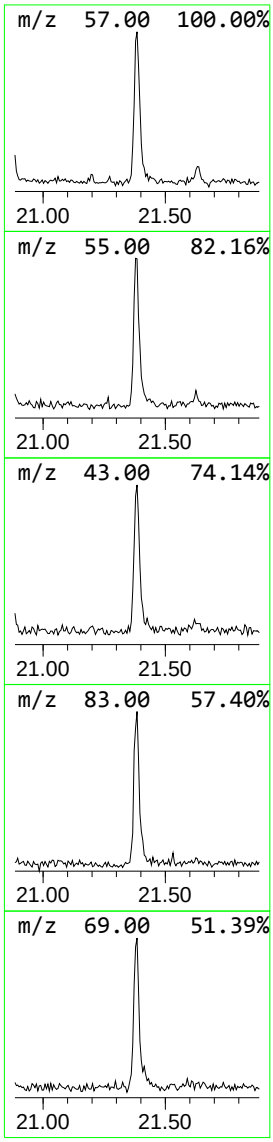
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Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	3.81 ng	173071	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
2	Cyclooctacosane	392	C28H56	000297-24-5	91
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
4	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	91
5	Docosyl heptafluorobutyrate	522	C26H45F7O2	1000351-83-1	91





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On    : 17 Nov 2025  22:09
Operator  : RC/JU
Sample    : Q3649-08
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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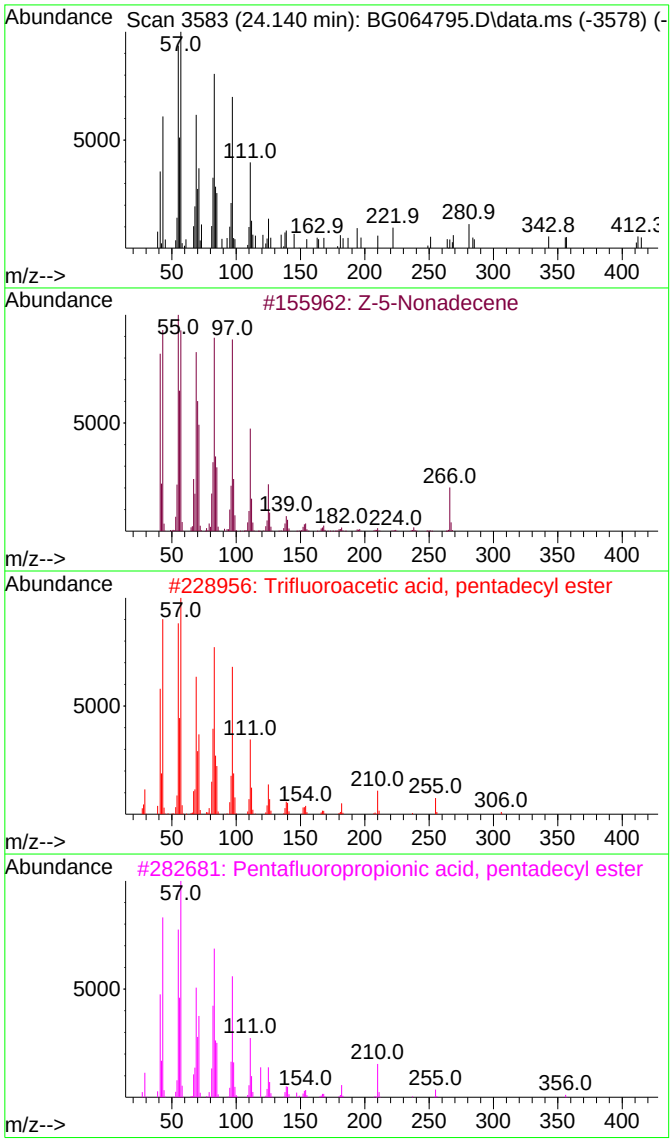
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

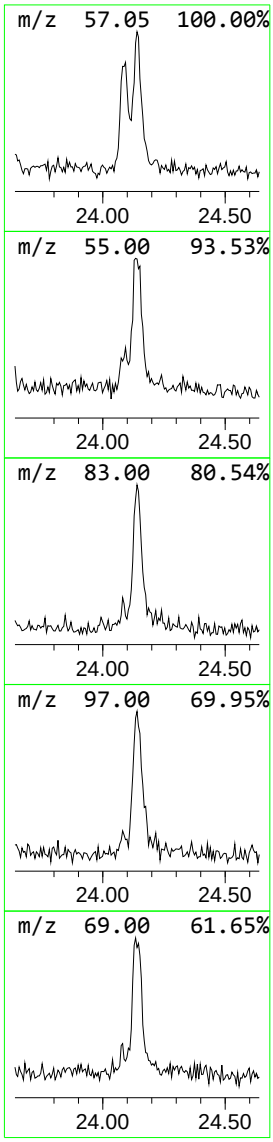
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Peak Number 7 Z-5-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.140	2.56 ng	111105	Perylene-d12	25.009

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	90
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	81
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	81
4	9-Nonadecene	266	C19H38	031035-07-1	81
5	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.108	7.4	ng	164770	3	14.774	444816	20.0
n-Hexadecanoic ...	18.370	5.2	ng	158220	4	17.500	611361	20.0
Phenol, 4,4'-(1...	19.898	4.8	ng	216873	5	21.748	907500	20.0
Heptadecyl hept...	21.384	3.8	ng	173071	5	21.748	907500	20.0
Z-5-Nonadecene	24.140	2.6	ng	111105	6	25.009	868887	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

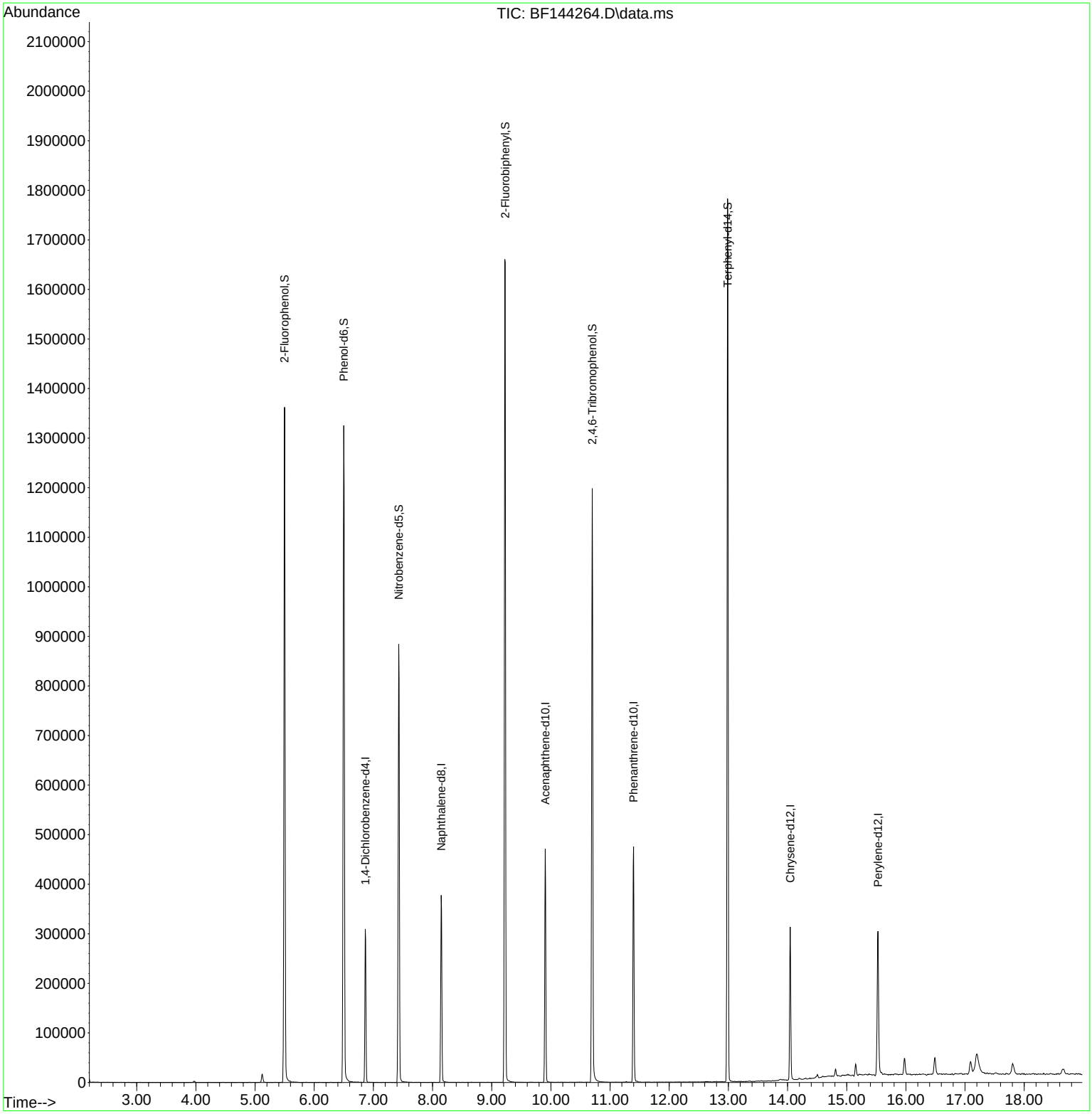
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	66285	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	255338	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	147126	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	272429	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161260	20.000	ng	0.00
86) Perylene-d12	15.527	264	184176	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529027	124.894	ng	0.00
7) Phenol-d6	6.498	99	597166	124.422	ng	0.00
23) Nitrobenzene-d5	7.428	82	394203	89.165	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	261487	141.631	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	846170	84.943	ng	0.00
79) Terphenyl-d14	12.986	244	997522	98.256	ng	0.00
Target Compounds						Qvalue

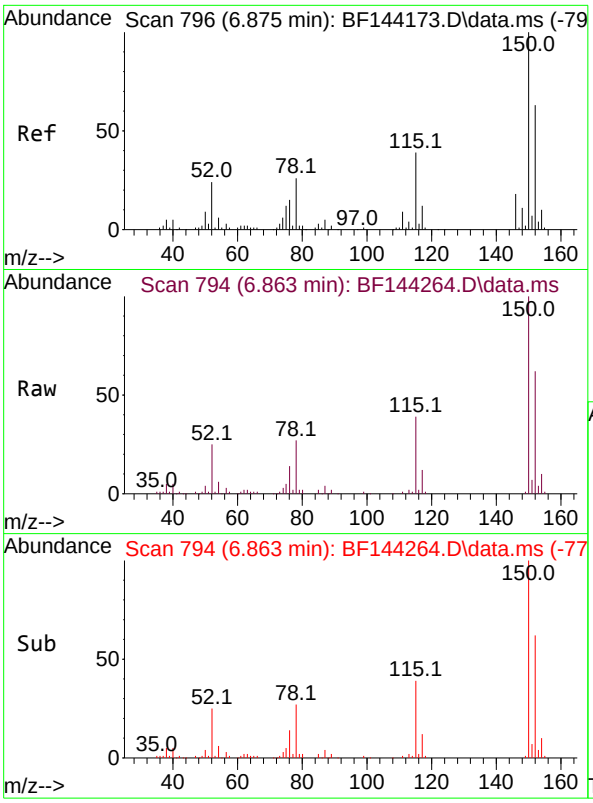
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



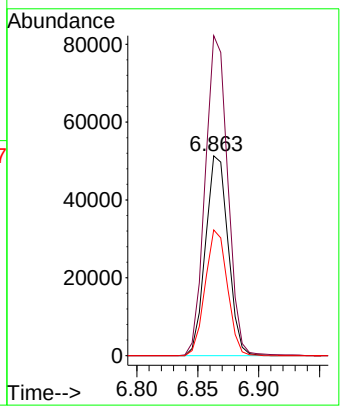


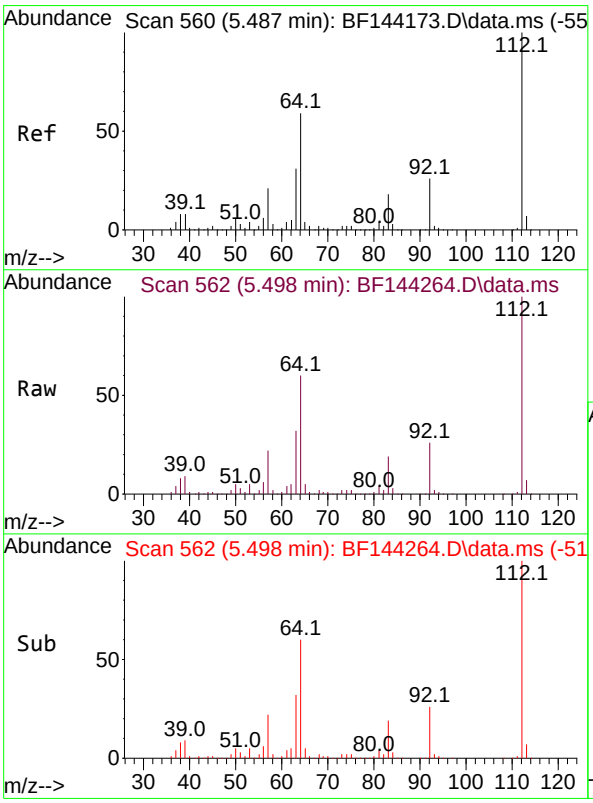
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:152 Resp: 66285

Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.4	191.0
115	62.9	49.5	74.3

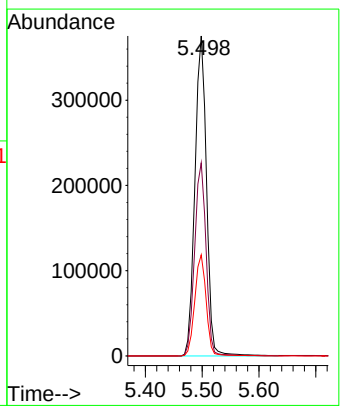


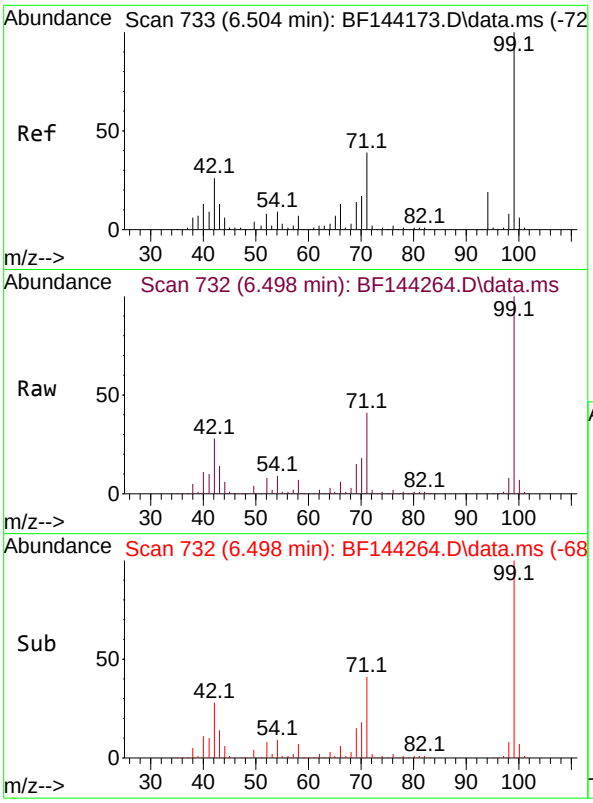


#5
2-Fluorophenol
Concen: 124.894 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:112 Resp: 529027

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.2	70.8
63	31.6	24.4	36.6



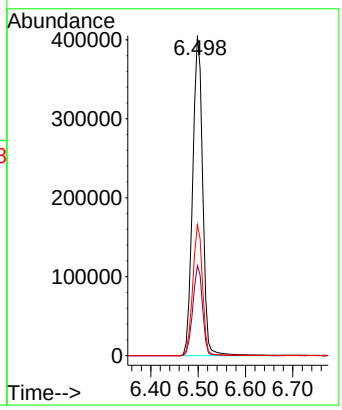


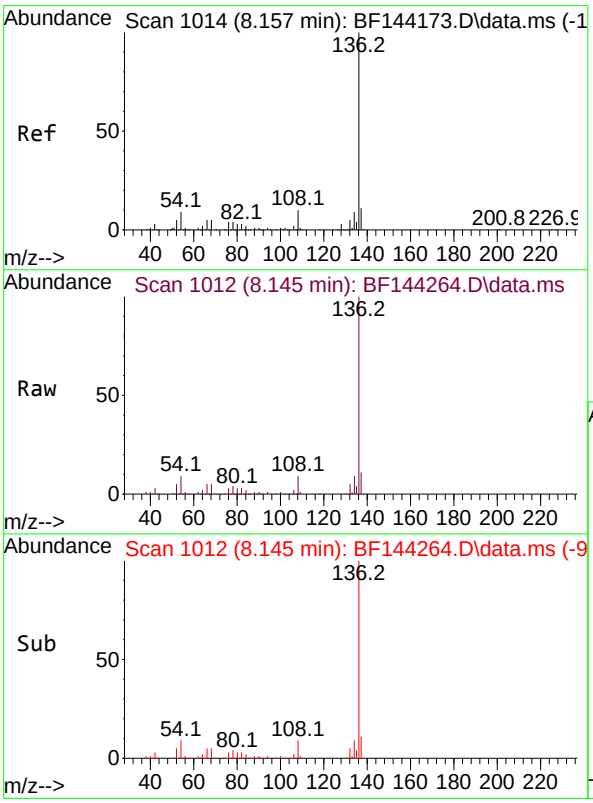
#7
Phenol-d6
Concen: 124.422 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 99 Resp: 597166

Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.9	31.3
71	40.9	31.4	47.2

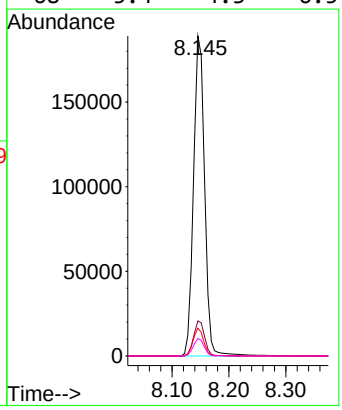


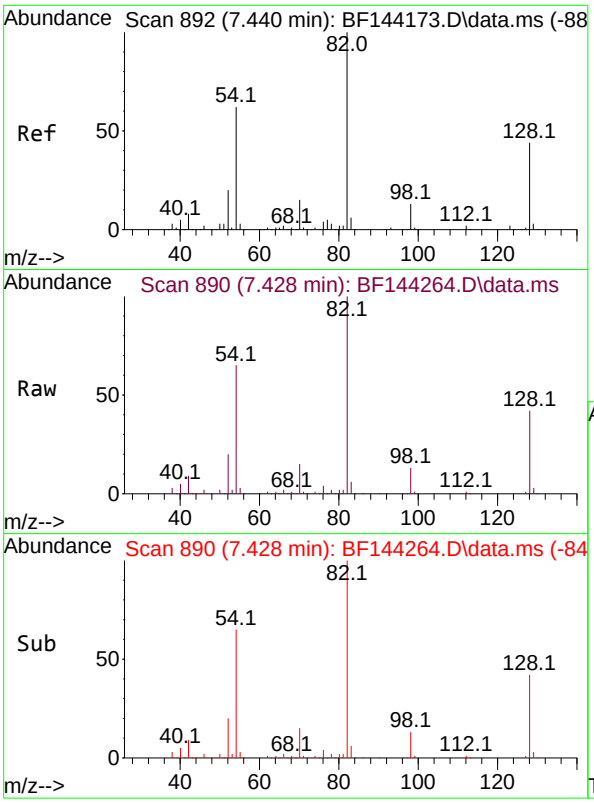


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:136 Resp: 255338

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.6
68	5.4	4.3	6.5



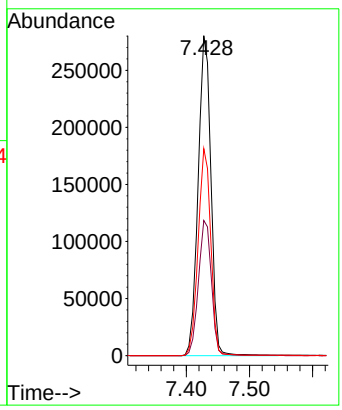


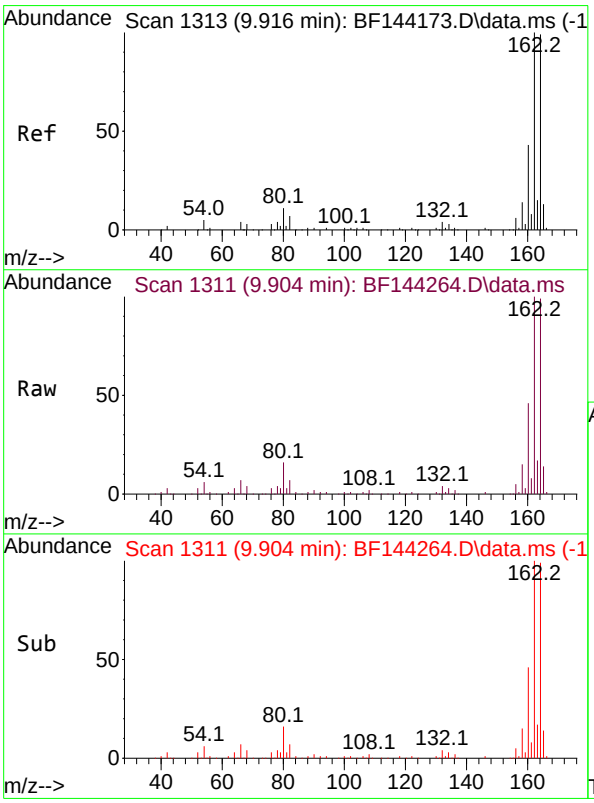
#23
Nitrobenzene-d5
Concen: 89.165 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 82 Resp: 394203

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.7	52.1
54	64.7	49.5	74.3

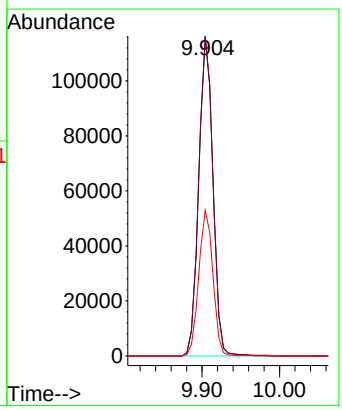


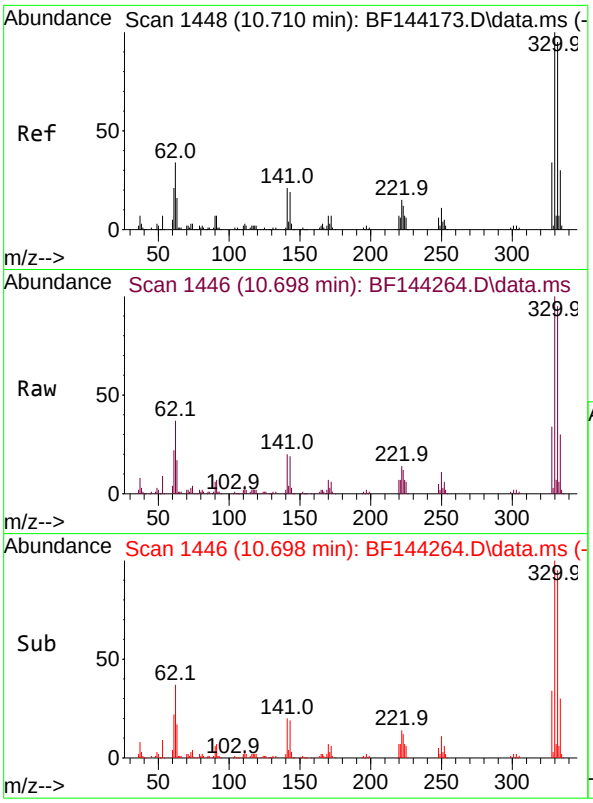


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:164 Resp: 147126

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.1	121.7
160	45.8	34.5	51.7



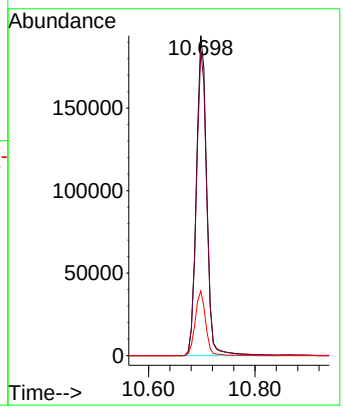


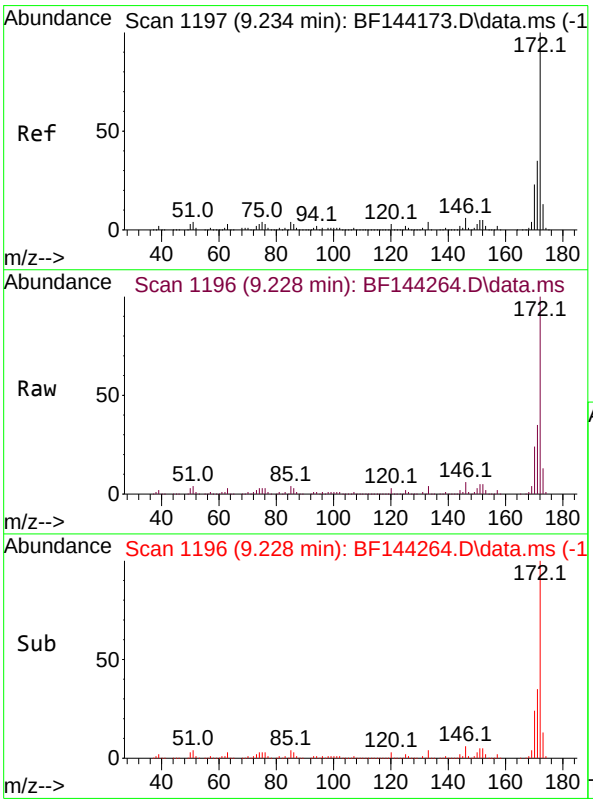
#42
2,4,6-Tribromophenol
Concen: 141.631 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:330 Resp: 261487

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	20.5	17.8	26.8

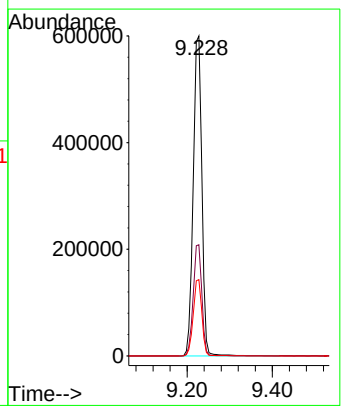


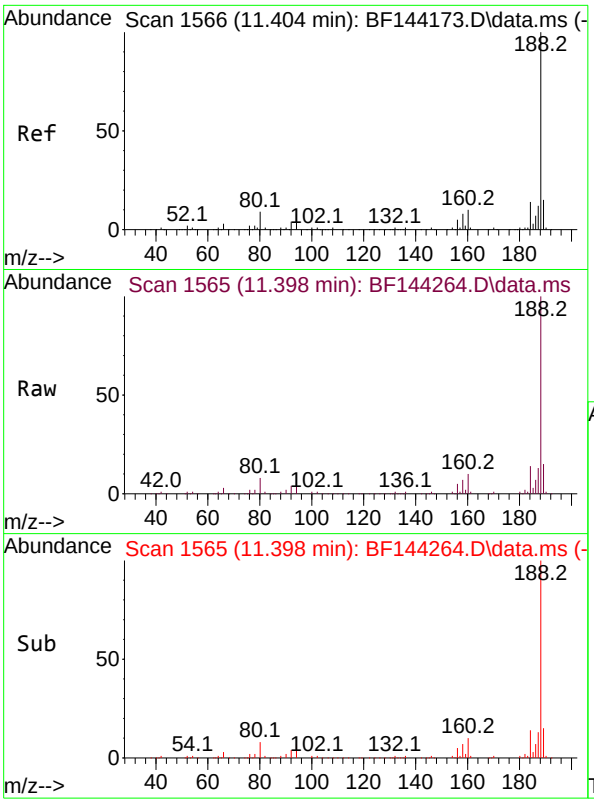


#45
2-Fluorobiphenyl
Concen: 84.943 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:172 Resp: 846170

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.8	18.6	28.0



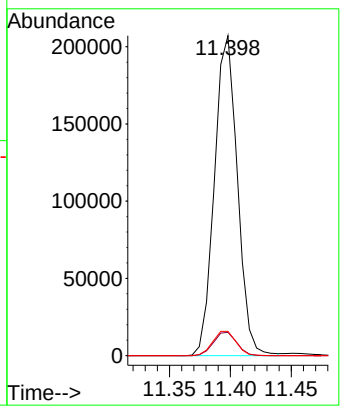


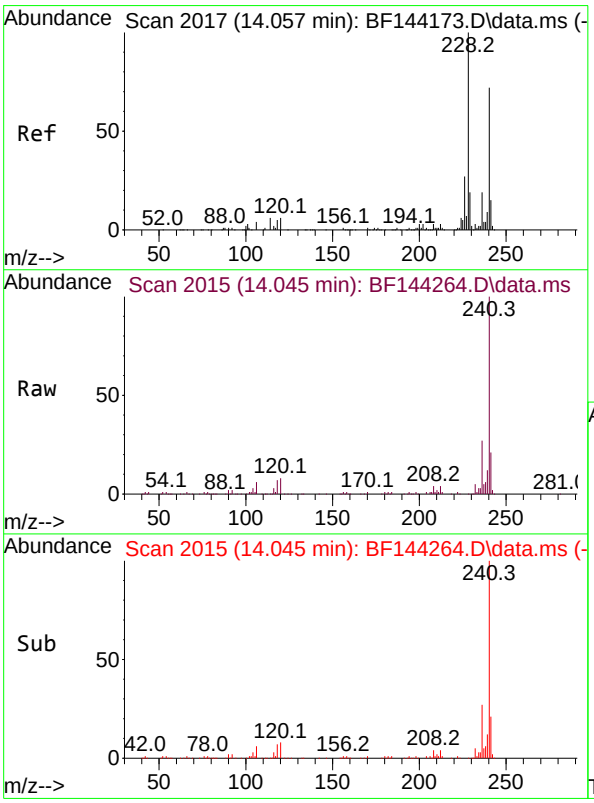
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:188 Resp: 272429

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.6	6.9	10.3

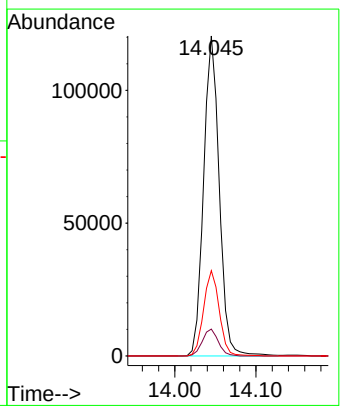


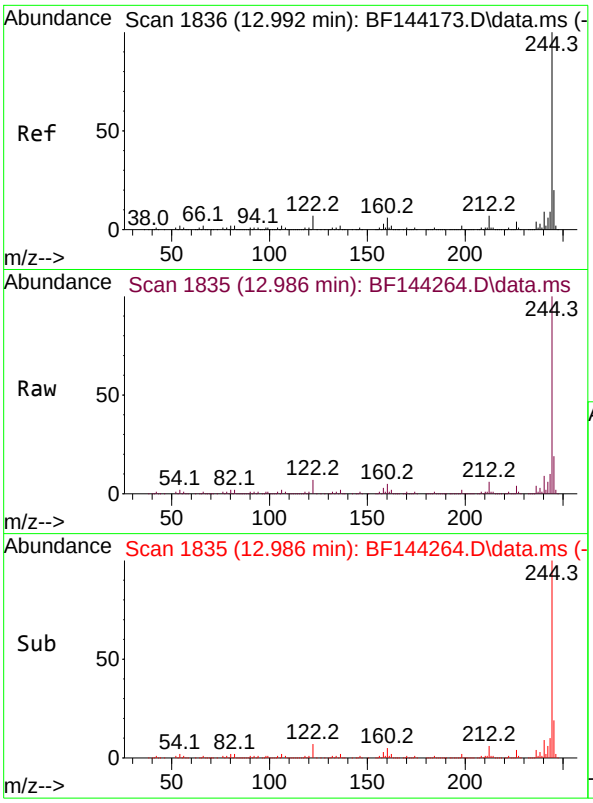


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:240 Resp: 161260

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.6	10.0
236	26.6	21.4	32.2



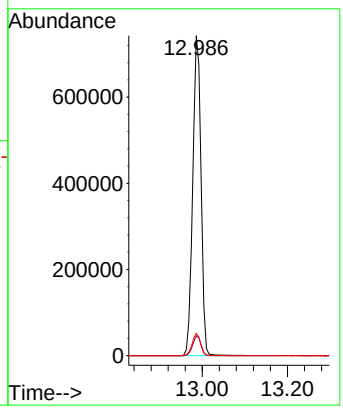


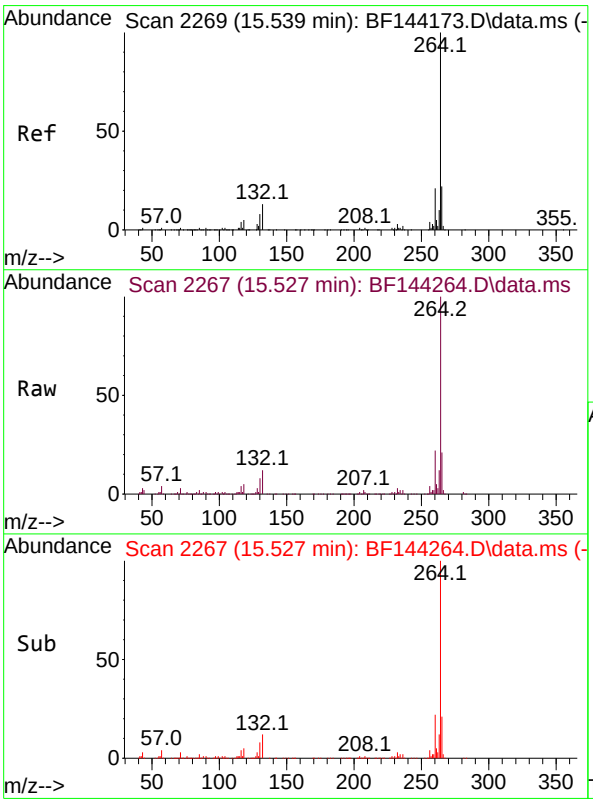
#79
Terphenyl-d14
Concen: 98.256 ng
RT: 12.986 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:244 Resp: 997522

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.0	5.6	8.4

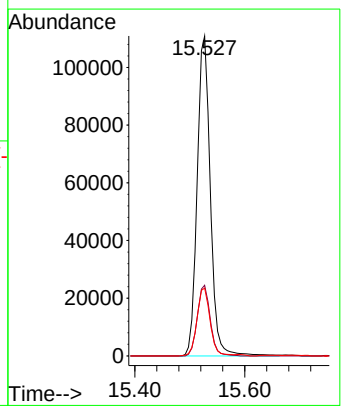




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:264 Resp: 184176

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	21.2	17.4	26.0



Sample Results: **BF144264.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144264.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	488	498	506	rBV	16649	29401	1.24%	0.198%
2	5.498	556	562	577	rBV	1362420	1892542	79.91%	12.770%
3	6.498	726	732	749	rBV	1325354	1921481	81.13%	12.965%
4	6.863	789	794	804	rVB	309009	390416	16.48%	2.634%
5	7.428	884	890	910	rBV	884059	1237167	52.24%	8.348%
6	8.145	1007	1012	1031	rBV	377566	498772	21.06%	3.366%
7	9.222	1189	1195	1201	rBV	1660214	2312243	97.63%	15.602%
8	9.904	1306	1311	1326	rBV	470800	592943	25.04%	4.001%
9	10.698	1440	1446	1470	rBV	1198056	1615693	68.22%	10.902%
10	11.398	1559	1565	1572	rBV	475378	621935	26.26%	4.197%
11	12.986	1829	1835	1840	rBV	1781245	2368326	100.00%	15.981%
12	14.045	2010	2015	2028	rBV	308192	405902	17.14%	2.739%
13	15.151	2198	2203	2210	rBV	24347	41820	1.77%	0.282%
14	15.527	2260	2267	2276	rBV	291120	500472	21.13%	3.377%
15	15.974	2338	2343	2350	rVB	32424	59125	2.50%	0.399%
16	16.492	2425	2431	2440	rVB2	33793	70746	2.99%	0.477%
17	17.092	2527	2533	2540	rBV3	23453	57332	2.42%	0.387%
18	17.203	2545	2552	2568	rVB	37557	144263	6.09%	0.973%
19	17.803	2649	2654	2667	rVB3	21671	59449	2.51%	0.401%

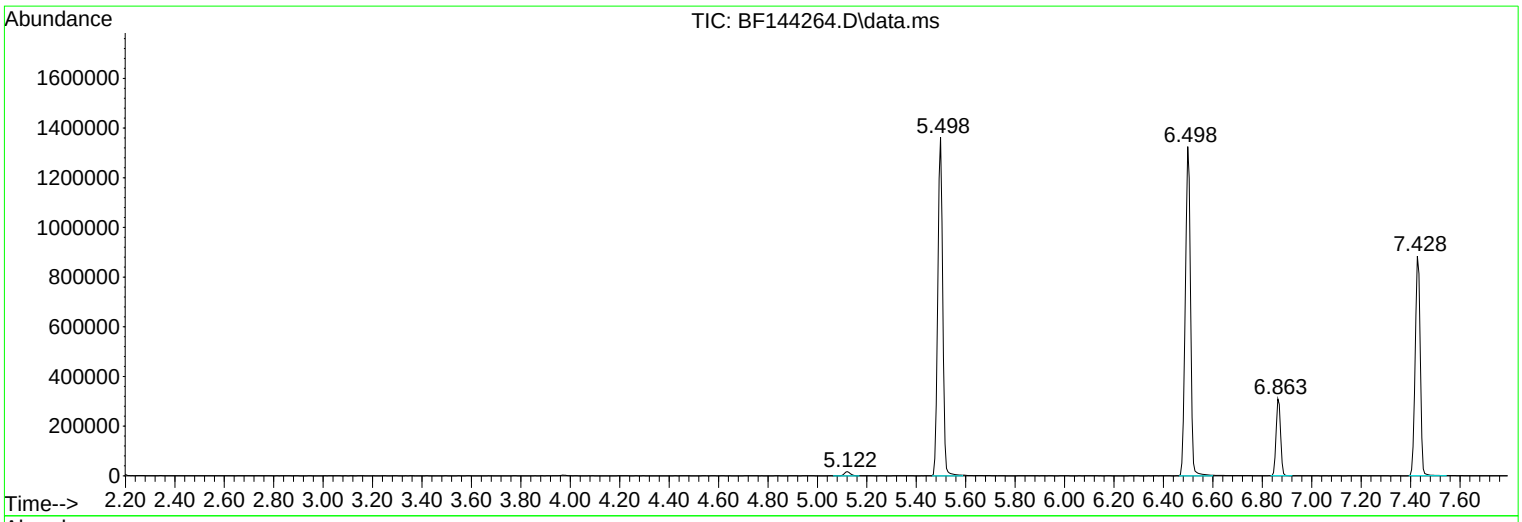
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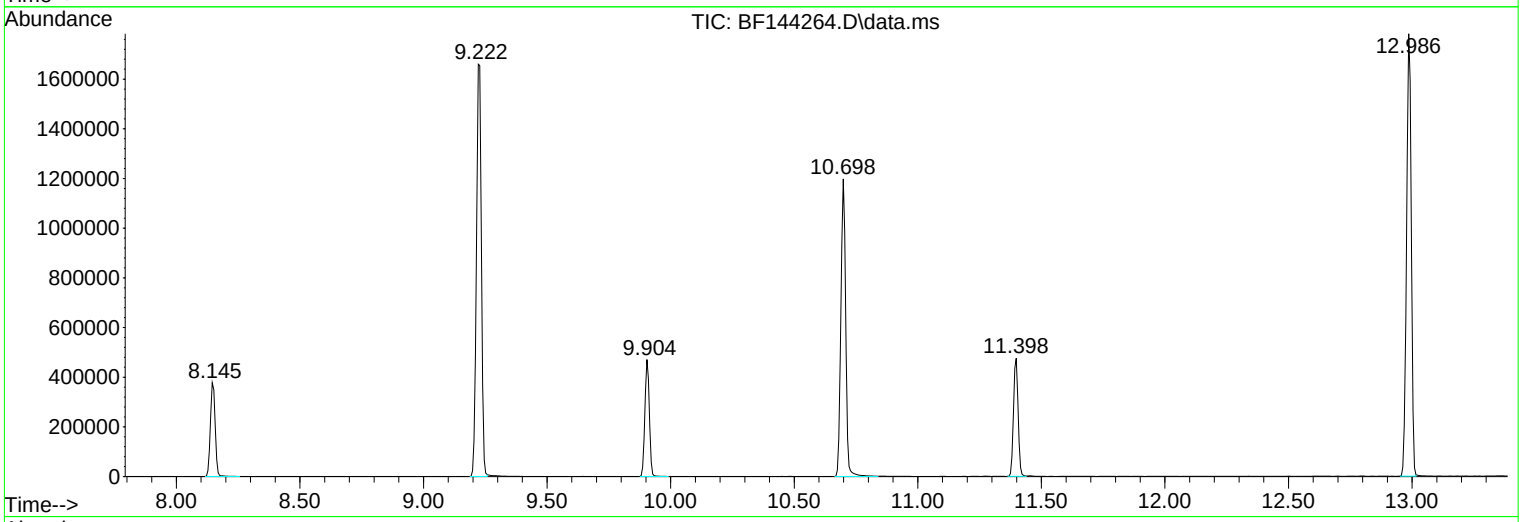
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Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

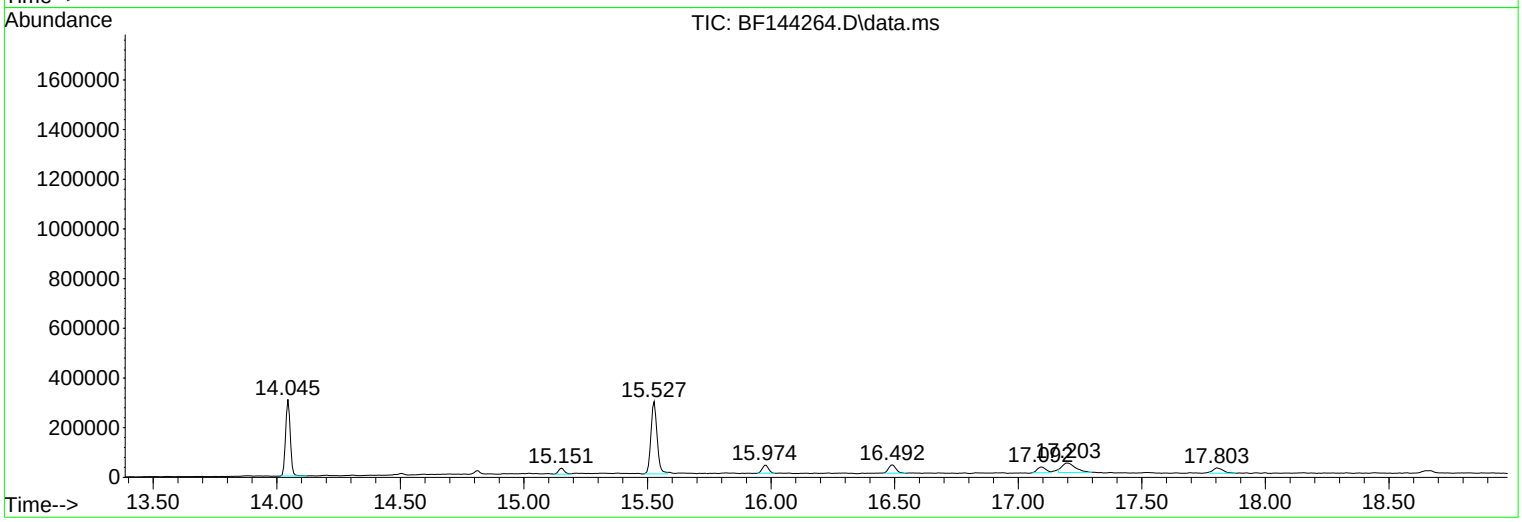
Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

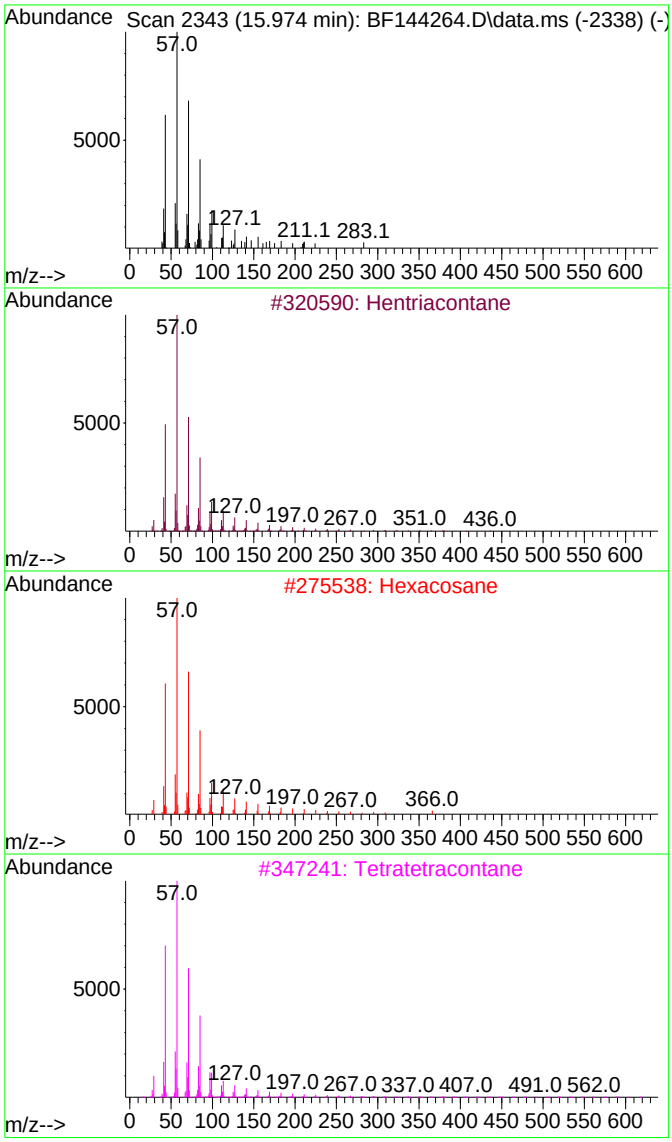
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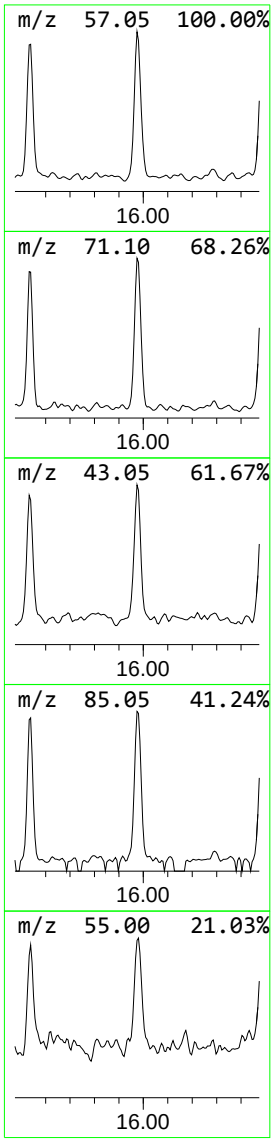
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Peak Number 1 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.974	2.36 ng	59125	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

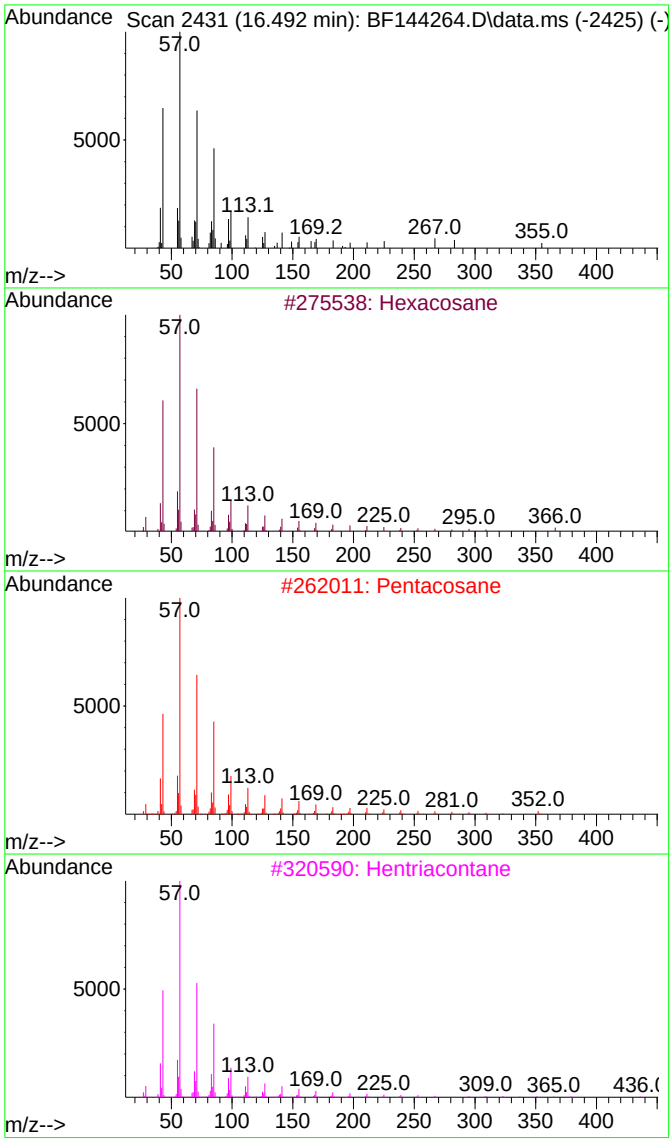
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TIC Integration Parameters: LSCINT.P

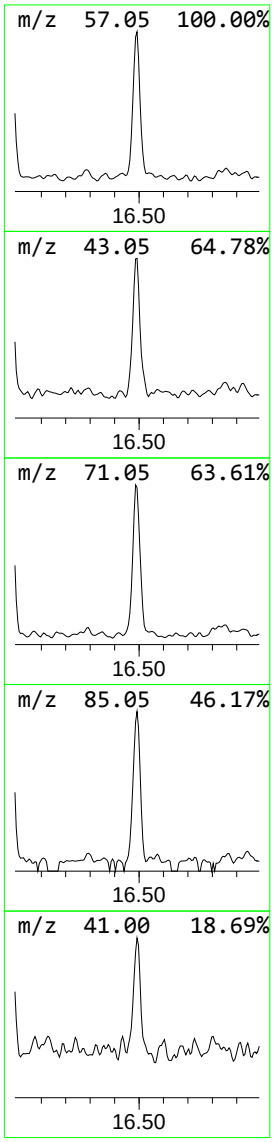
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Peak Number 2 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.492	2.83 ng	70746	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Pentacosane	352	C25H52	000629-99-2	90
3	Hentriacontane	437	C31H64	000630-04-6	90
4	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	87
5	Octacosane	394	C28H58	000630-02-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

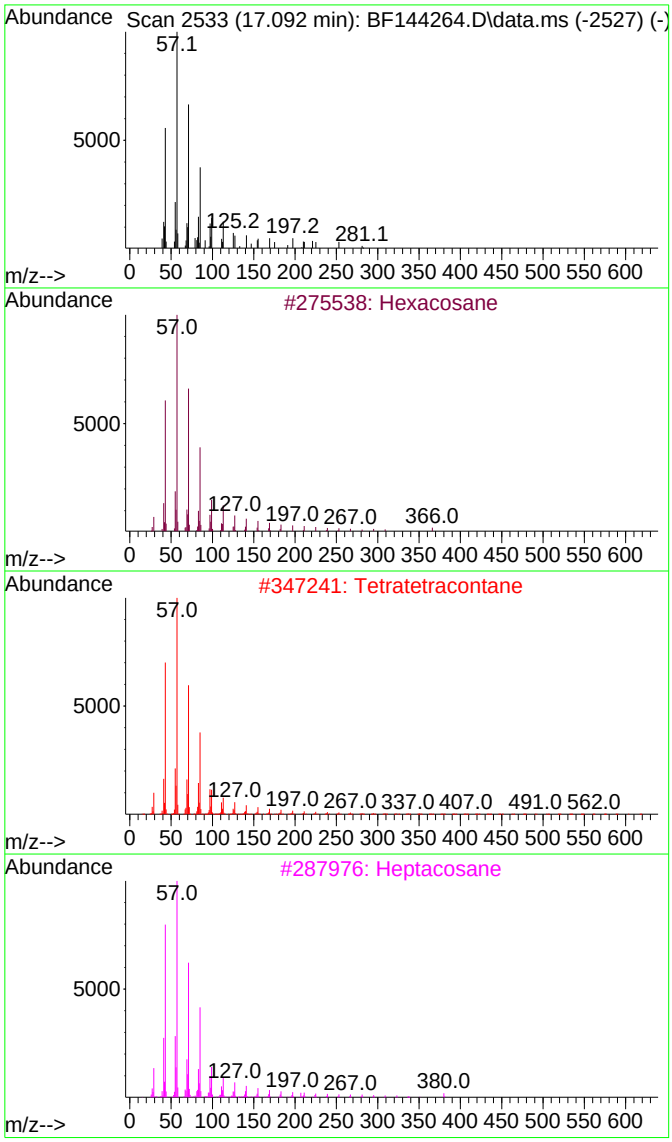
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TIC Integration Parameters: LSCINT.P

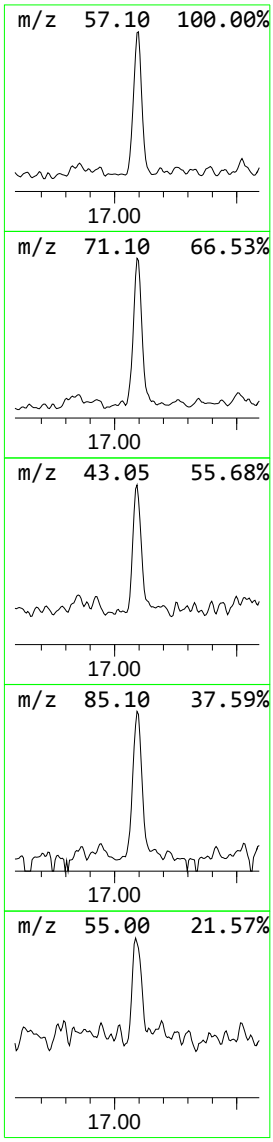
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Peak Number 3 Tetratetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	2.29 ng	57332	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Tetratetracontane	619	C44H90	007098-22-8	86
3	Heptacosane	380	C27H56	000593-49-7	86
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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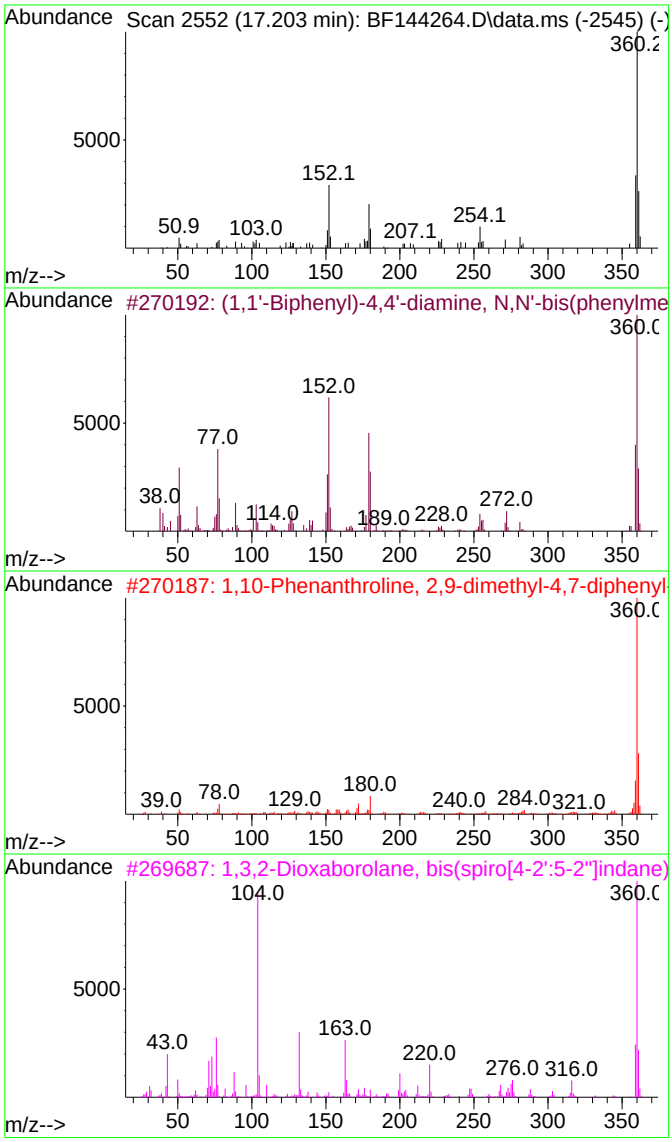
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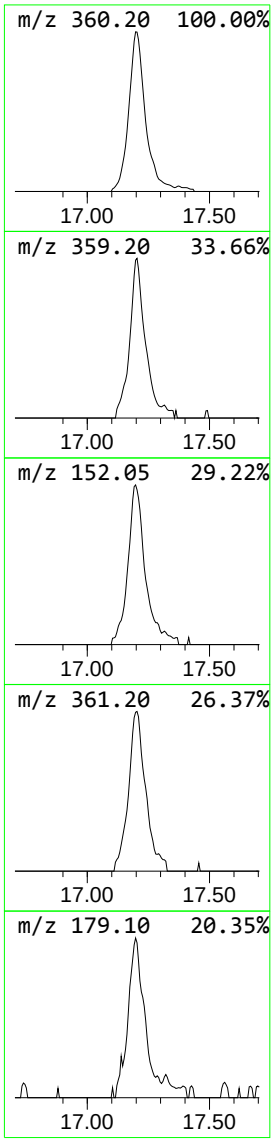
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.203	5.77 ng	144263	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3	1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13BO6	1000150-23-7	50
4	Jaceidin	360	C18H16O8	010173-01-0	50
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

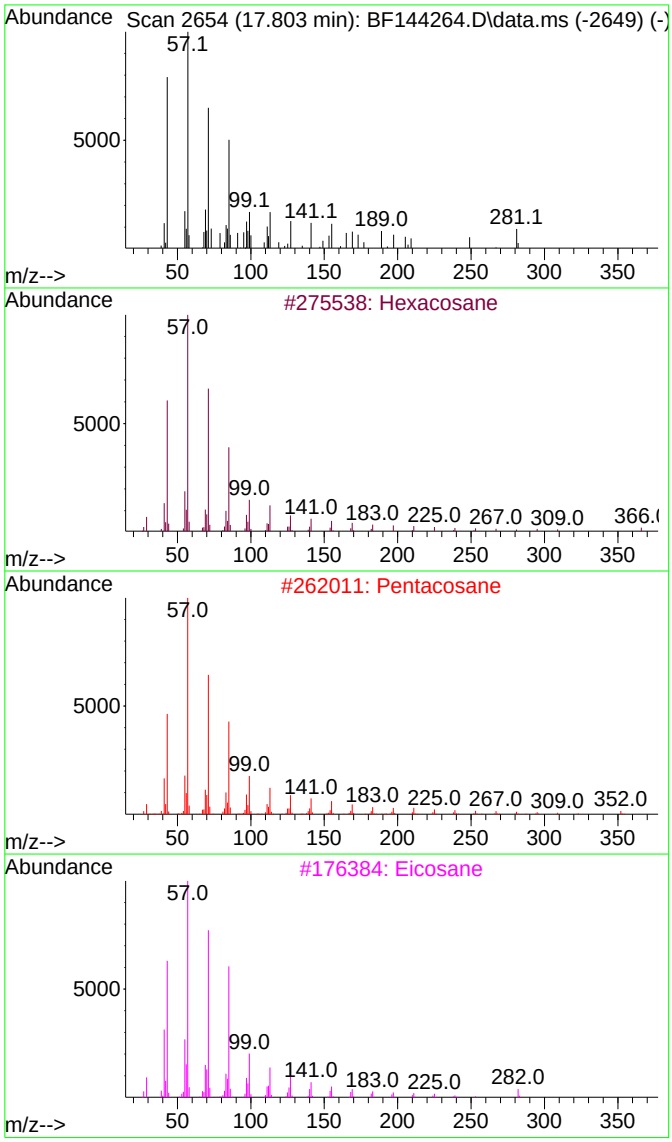
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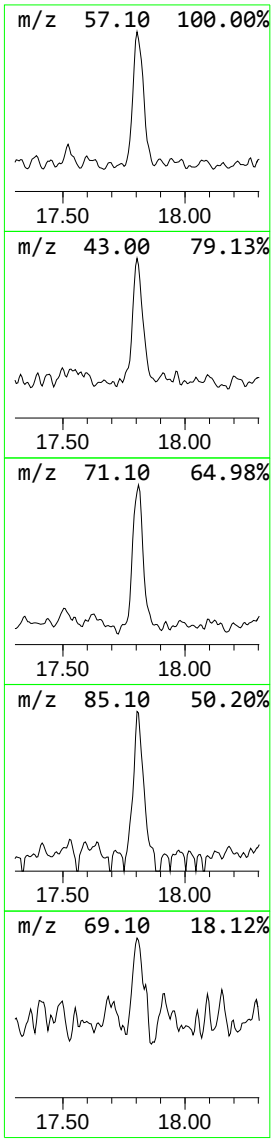
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Peak Number 5 Pentacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.804	2.38 ng	59449	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Pentacosane	352	C25H52	000629-99-2	83
3	Eicosane	282	C20H42	000112-95-8	81
4	Octacosane	394	C28H58	000630-02-4	80
5	Tetracosane	338	C24H50	000646-31-1	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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
Hentriacontane	15.974	2.4	ng	59125	6	15.527	500472	20.0
Hexacosane	16.492	2.8	ng	70746	6	15.527	500472	20.0
Tetratetracontane	17.092	2.3	ng	57332	6	15.527	500472	20.0
(1,1'-Biphenyl)...	17.203	5.8	ng	144263	6	15.527	500472	20.0
Pentacosane	17.804	2.4	ng	59449	6	15.527	500472	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57508	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	224965	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	126893	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214778	20.000	ng	0.00
76) Chrysene-d12	14.045	240	127678	20.000	ng	0.00
86) Perylene-d12	15.527	264	154286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	421874	114.798	ng	0.00
7) Phenol-d6	6.504	99	478765	114.978	ng	0.00
23) Nitrobenzene-d5	7.434	82	311496	79.970	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	188405	118.318	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	680168	79.166	ng	0.00
79) Terphenyl-d14	12.986	244	663126	82.498	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	56543	37.216	ng	98
3) Pyridine	3.463	79	148748	35.092	ng	99
4) n-Nitrosodimethylamine	3.404	42	99331	44.863	ng	97
6) Aniline	6.534	93	186036	31.358	ng	98
8) 2-Chlorophenol	6.651	128	154455	42.857	ng	100
9) Benzaldehyde	6.422	77	63023	26.803	ng	99
10) Phenol	6.516	94	207073	40.702	ng	90
11) bis(2-Chloroethyl)ether	6.604	93	159489	43.023	ng	99
12) 1,3-Dichlorobenzene	6.810	146	187707	42.208	ng	98
13) 1,4-Dichlorobenzene	6.886	146	190820	42.829	ng	98
14) 1,2-Dichlorobenzene	7.034	146	183824	43.046	ng	99
15) Benzyl Alcohol	7.010	79	148710	45.102	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	286313	41.940	ng	95
17) 2-Methylphenol	7.122	107	119855	41.804	ng	95
18) Hexachloroethane	7.375	117	61002	41.212	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	115627	42.182	ng	94
20) 3+4-Methylphenols	7.275	107	146258	43.275	ng	92
22) Acetophenone	7.275	105	224963	46.615	ng	95
24) Nitrobenzene	7.451	77	175647	41.532	ng	99
25) Isophorone	7.686	82	316082	42.901	ng	100
26) 2-Nitrophenol	7.769	139	88948	42.487	ng	98
27) 2,4-Dimethylphenol	7.804	122	146563	46.708	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	195648	42.524	ng	98
29) 2,4-Dichlorophenol	8.010	162	151071	41.771	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	164074	44.180	ng	96
31) Naphthalene	8.169	128	447289	41.797	ng	100
32) Benzoic acid	7.933	122	101372	44.073	ng	94
33) 4-Chloroaniline	8.222	127	96938	24.837	ng	99
34) Hexachlorobutadiene	8.286	225	114468	40.898	ng	99
35) Caprolactam	8.592	113	43562m	43.965	ng	
36) 4-Chloro-3-methylphenol	8.704	107	138818	42.829	ng	99
37) 2-Methylnaphthalene	8.863	142	278575	38.935	ng	99
38) 1-Methylnaphthalene	8.963	142	278003	40.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	190679	45.851	ng	98
41) Hexachlorocyclopentadiene	9.016	237	137806	83.412	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	117312	41.446	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	124969	40.965	ng		98
46) 1,1'-Biphenyl	9.328	154	402584	45.451	ng		99
47) 2-Chloronaphthalene	9.357	162	315213	41.719	ng		99
48) 2-Nitroaniline	9.451	65	98024	44.964	ng		99
49) Acenaphthylene	9.769	152	479794	46.599	ng		99
50) Dimethylphthalate	9.627	163	375975	44.725	ng		99
51) 2,6-Dinitrotoluene	9.692	165	79835	46.914	ng		99
52) Acenaphthene	9.945	154	300376m	43.626	ng		
53) 3-Nitroaniline	9.863	138	56681	30.470	ng		99
54) 2,4-Dinitrophenol	9.975	184	78637	76.525	ng		98
55) Dibenzofuran	10.116	168	400494	41.532	ng		99
56) 4-Nitrophenol	10.033	139	94446	70.187	ng		93
57) 2,4-Dinitrotoluene	10.098	165	104644	45.935	ng		97
58) Fluorene	10.457	166	315358	43.013	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	95261	44.136	ng	#	96
60) Diethylphthalate	10.327	149	336684	43.446	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	172430	41.288	ng		99
62) 4-Nitroaniline	10.480	138	71517	40.370	ng		98
63) Azobenzene	10.610	77	320032	44.374	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	61765	42.332	ng		98
66) n-Nitrosodiphenylamine	10.569	169	309243	44.767	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	117484	42.855	ng		97
68) Hexachlorobenzene	11.010	284	143061	44.304	ng		95
69) Atrazine	11.098	200	97665	44.457	ng		99
70) Pentachlorophenol	11.204	266	136188	84.697	ng		97
71) Phenanthrene	11.421	178	466162	43.593	ng		100
72) Anthracene	11.474	178	461640	42.456	ng		99
73) Carbazole	11.633	167	387879	41.951	ng		99
74) Di-n-butylphthalate	11.957	149	461045	41.248	ng		99
75) Fluoranthene	12.616	202	461433	41.772	ng		99
77) Benzidine	12.739	184	84424	22.354	ng		99
78) Pyrene	12.845	202	448811	43.597	ng		99
80) Butylbenzylphthalate	13.457	149	150266	42.115	ng		99
81) Benzo(a)anthracene	14.039	228	391354	44.226	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	102068	33.650	ng		96
83) Chrysene	14.074	228	349396	42.772	ng		98
84) Bis(2-ethylhexyl)phtha...	14.015	149	190183	38.937	ng		98
85) Di-n-octyl phthalate	14.633	149	341741	40.553	ng		100
87) Indeno(1,2,3-cd)pyrene	17.033	276	503139	45.429	ng		99
88) Benzo(b)fluoranthene	15.092	252	436245	49.735	ng		99
89) Benzo(k)fluoranthene	15.121	252	384664	46.853	ng		99
90) Benzo(a)pyrene	15.468	252	401625	49.632	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	409253	46.011	ng		99
92) Benzo(g,h,i)perylene	17.486	276	418232	47.615	ng		99

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

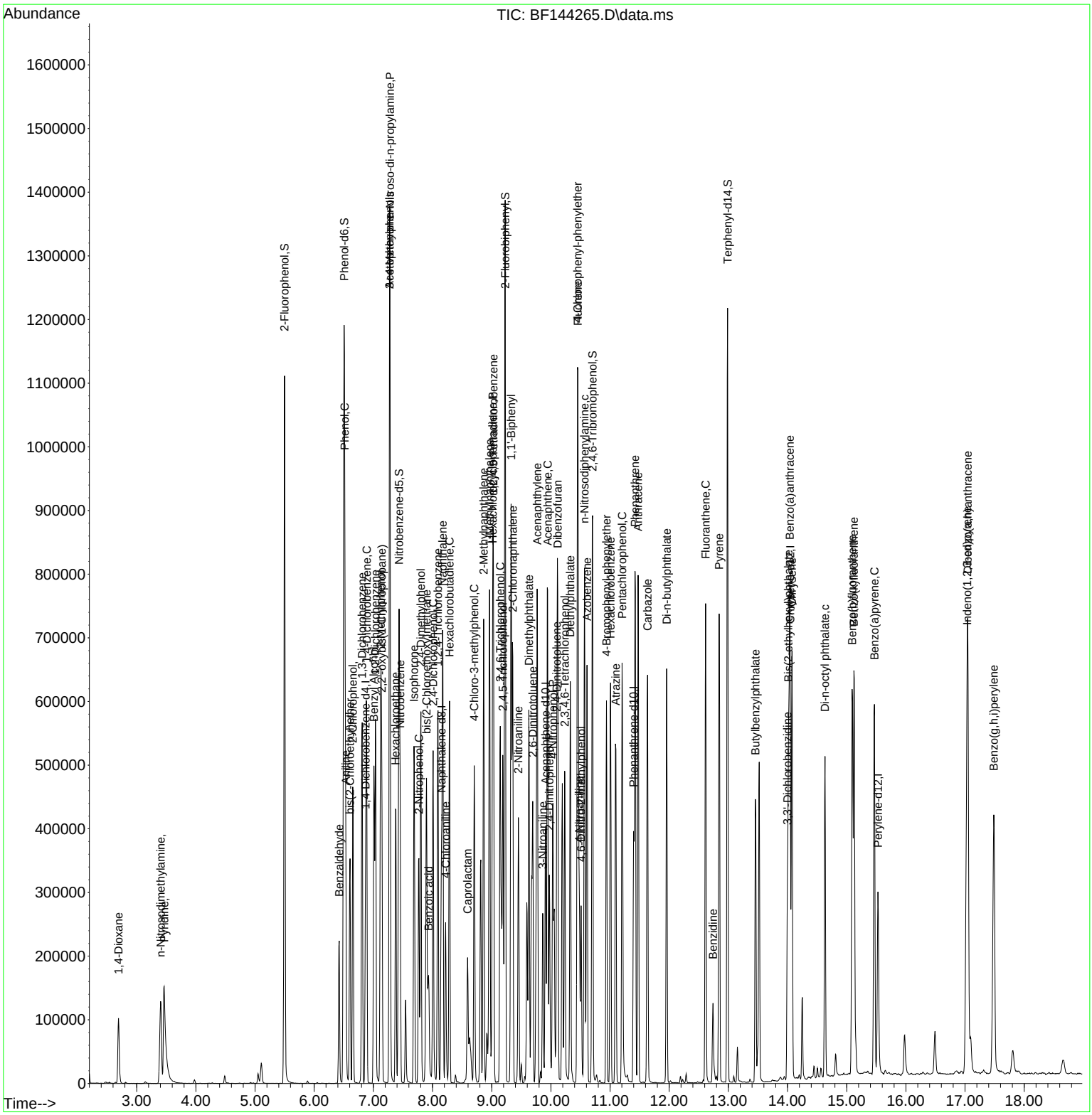
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.165	152	35648	20.000	ng		0.00
21) Naphthalene-d8	10.979	136	137981	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	109267	20.000	ng		0.00
64) Phenanthrene-d10	17.501	188	264688	20.000	ng		0.00
76) Chrysene-d12	21.755	240	332562	20.000	ng		0.00
86) Perylene-d12	25.010	264	341639	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	226596	110.998	ng		0.00
7) Phenol-d6	7.307	99	313192	115.347	ng		0.00
23) Nitrobenzene-d5	9.322	82	202570	72.587	ng		0.00
42) 2,4,6-Tribromophenol	16.249	330	236442	110.951	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	562446	71.824	ng		0.00
79) Terphenyl-d14	20.092	244	1278535	75.625	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	32691	41.364	ng		94
3) Pyridine	3.934	79	91631	38.913	ng		96
4) n-Nitrosodimethylamine	3.846	42	53511	44.648	ng	#	77
6) Aniline	7.477	93	82153	22.700	ng		98
8) 2-Chlorophenol	7.724	128	112298	50.098	ng		94
9) Benzaldehyde	7.289	77	57685	32.455	ng		98
10) Phenol	7.336	94	150380	50.903	ng		97
11) bis(2-Chloroethyl)ether	7.571	93	98633	46.918	ng		96
12) 1,3-Dichlorobenzene	8.053	146	122625	47.541	ng		97
13) 1,4-Dichlorobenzene	8.200	146	125713	47.865	ng		97
14) 1,2-Dichlorobenzene	8.523	146	121100	47.553	ng		96
15) Benzyl Alcohol	8.394	79	108598	48.727	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.693	45	219395	44.092	ng		98
17) 2-Methylphenol	8.599	107	102724	49.143	ng		97
18) Hexachloroethane	9.263	117	45576	45.816	ng		95
19) n-Nitroso-di-n-propyla...	8.964	70	85608	46.631	ng		89
20) 3+4-Methylphenols	8.922	107	140181	48.952	ng		95
22) Acetophenone	8.987	105	179131	47.651	ng	#	99
24) Nitrobenzene	9.369	77	130982	46.451	ng		97
25) Isophorone	9.892	82	245569	46.208	ng		97
26) 2-Nitrophenol	10.086	139	64778	51.074	ng		95
27) 2,4-Dimethylphenol	10.139	122	112198	49.794	ng		92
28) bis(2-Chloroethoxy)met...	10.374	93	142319	48.780	ng		99
29) 2,4-Dichlorophenol	10.621	162	125634	51.933	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	142774	48.876	ng		96
31) Naphthalene	11.032	128	362873	46.392	ng		100
32) Benzoic acid	10.268	122	77206	48.481	ng		99
33) 4-Chloroaniline	11.126	127	36291	11.598	ng		96
34) Hexachlorobutadiene	11.320	225	112947	45.064	ng		97
35) Caprolactam	11.890	113	35144m	48.571	ng		
36) 4-Chloro-3-methylphenol	12.236	107	135942	50.487	ng		97
37) 2-Methylnaphthalene	12.624	142	245144	41.881	ng		98
38) 1-Methylnaphthalene	12.841	142	255126	43.878	ng		98
40) 1,2,4,5-Tetrachloroben...	12.988	216	201397	47.361	ng		98
41) Hexachlorocyclopentadiene	12.971	237	274888	90.187	ng		98
43) 2,4,6-Trichlorophenol	13.217	196	125622	50.334	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	139123	49.701	ng		98
46) 1,1'-Biphenyl	13.617	154	385008	49.059	ng		98
47) 2-Chloronaphthalene	13.658	162	289859	46.881	ng		99
48) 2-Nitroaniline	13.846	65	100497	50.536	ng		94
49) Acenaphthylene	14.498	152	510337	48.315	ng		98
50) Dimethylphthalate	14.222	163	407935	47.262	ng		99
51) 2,6-Dinitrotoluene	14.334	165	86706	52.205	ng		97
52) Acenaphthene	14.839	154	345121	54.493	ng		99
53) 3-Nitroaniline	14.657	138	34388	20.978	ng		85
54) 2,4-Dinitrophenol	14.868	184	114155	98.155	ng		98
55) Dibenzofuran	15.168	168	500377	47.790	ng		97
56) 4-Nitrophenol	14.962	139	138584	106.554	ng		94
57) 2,4-Dinitrotoluene	15.115	165	127005	51.006	ng		98
58) Fluorene	15.814	166	383525	46.703	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.391	232	145481	52.676	ng		97
60) Diethylphthalate	15.573	149	390741	47.257	ng		100
61) 4-Chlorophenyl-phenyle...	15.803	204	229901	46.649	ng		96
62) 4-Nitroaniline	15.820	138	80718	47.531	ng		92
63) Azobenzene	16.091	77	358106	52.070	ng		98
65) 4,6-Dinitro-2-methylph...	15.879	198	82924	56.426	ng		92
66) n-Nitrosodiphenylamine	16.008	169	348645	50.287	ng		98
67) 4-Bromophenyl-phenylether	16.690	248	172054	49.498	ng		98
68) Hexachlorobenzene	16.813	284	199440	47.358	ng		99
69) Atrazine	16.948	200	163466	48.903	ng		95
70) Pentachlorophenol	17.154	266	254852	100.554	ng		95
71) Phenanthrene	17.548	178	697992	48.197	ng		99
72) Anthracene	17.636	178	713624	48.326	ng		99
73) Carbazole	17.894	167	623792	49.139	ng		99
74) Di-n-butylphthalate	18.447	149	694307	49.024	ng		99
75) Fluoranthene	19.539	202	923210	46.619	ng		100
77) Benzidine	19.704	184	388676	39.025	ng		99
78) Pyrene	19.898	202	949087	50.920	ng		99
80) Butylbenzylphthalate	20.767	149	331588	50.578	ng		96
81) Benzo(a)anthracene	21.737	228	1077790	47.662	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	165088	19.835	ng		98
83) Chrysene	21.802	228	1014594	47.591	ng		99
84) Bis(2-ethylhexyl)phtha...	21.631	149	480785	50.187	ng		99
85) Di-n-octyl phthalate	22.859	149	796666	48.109	ng		99
87) Indeno(1,2,3-cd)pyrene	28.752	276	1220785	52.011	ng	#	95
88) Benzo(b)fluoranthene	23.975	252	1046098	48.116	ng		99
89) Benzo(k)fluoranthene	24.046	252	1077935	49.350	ng		100
90) Benzo(a)pyrene	24.863	252	1000023	49.585	ng		99
91) Dibenzo(a,h)anthracene	28.805	278	1002563	52.139	ng		96
92) Benzo(g,h,i)perylene	29.916	276	974197	52.643	ng		98

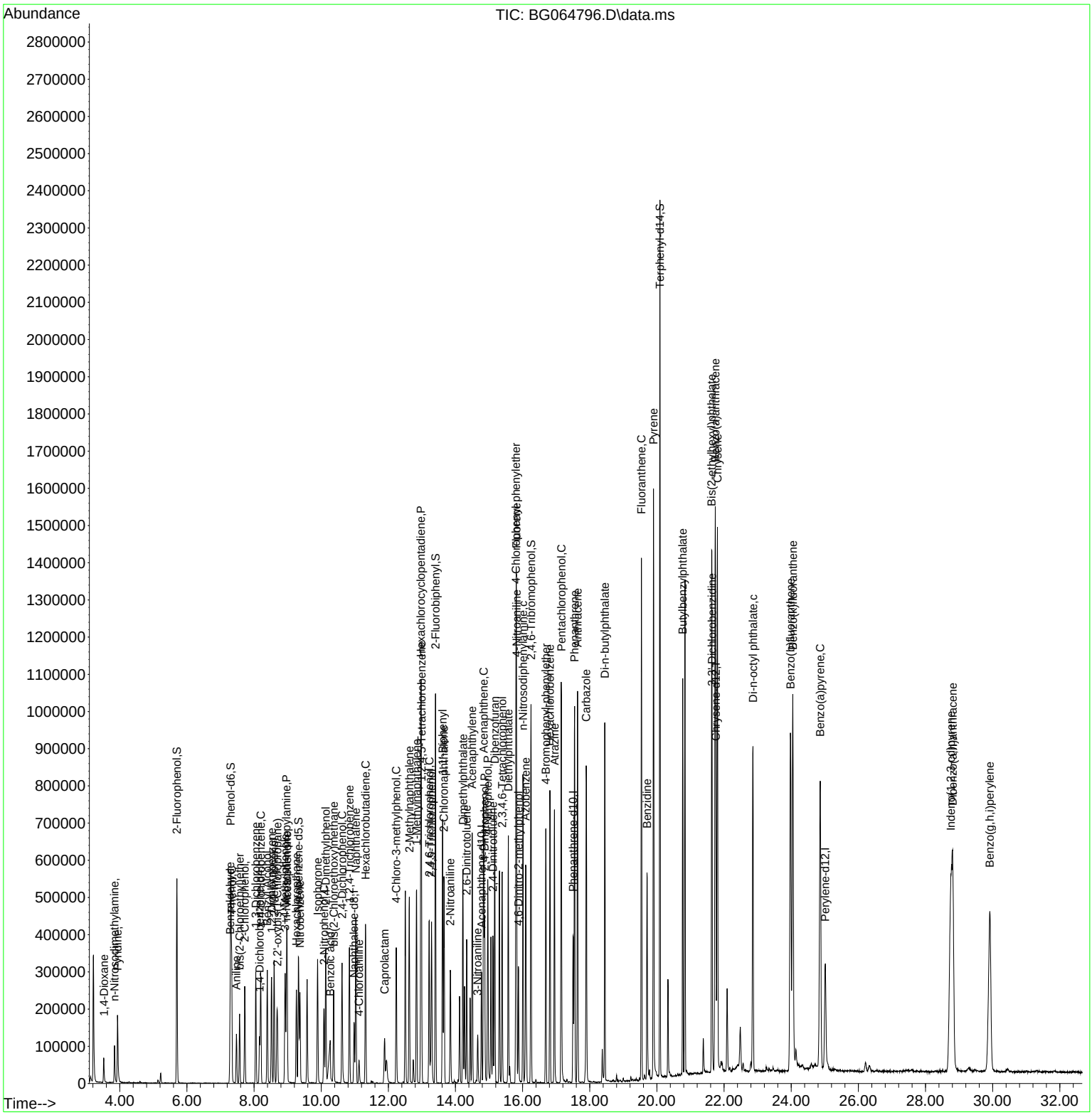
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	39734	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	157606	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	130879	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	316710	20.000	ng	0.00
76) Chrysene-d12	21.754	240	371983	20.000	ng	0.00
86) Perylene-d12	25.009	264	376972	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	242473	106.561	ng	0.00
7) Phenol-d6	7.312	99	335412	110.828	ng	0.00
23) Nitrobenzene-d5	9.327	82	219027	68.711	ng	0.00
42) 2,4,6-Tribromophenol	16.248	330	264438	103.598	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	601736	64.153	ng	0.00
79) Terphenyl-d14	20.091	244	1364576	72.160	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.528	88	32904	37.353	ng	93
3) Pyridine	3.933	79	93203	35.510	ng	97
4) n-Nitrosodimethylamine	3.845	42	55812	41.779	ng	82
6) Aniline	7.476	93	92542	22.941	ng	99
8) 2-Chlorophenol	7.723	128	116122	46.477	ng	99
9) Benzaldehyde	7.288	77	61058	30.820	ng	97
10) Phenol	7.335	94	161413	49.019	ng	98
11) bis(2-Chloroethyl)ether	7.570	93	104673	44.671	ng	96
12) 1,3-Dichlorobenzene	8.052	146	127073	44.200	ng	100
13) 1,4-Dichlorobenzene	8.199	146	133138	45.479	ng	97
14) 1,2-Dichlorobenzene	8.522	146	128179	45.157	ng	97
15) Benzyl Alcohol	8.393	79	117628	47.351	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.687	45	225270	40.617	ng	97
17) 2-Methylphenol	8.598	107	109252	46.891	ng	96
18) Hexachloroethane	9.262	117	47878	43.181	ng	99
19) n-Nitroso-di-n-propyla...	8.969	70	91499	44.714	ng	91
20) 3+4-Methylphenols	8.927	107	147994	46.366	ng	93
22) Acetophenone	8.986	105	190455	44.355	ng	99
24) Nitrobenzene	9.368	77	141359	43.889	ng	96
25) Isophorone	9.897	82	260037	42.838	ng	99
26) 2-Nitrophenol	10.085	139	68781	47.477	ng	96
27) 2,4-Dimethylphenol	10.138	122	116963	45.445	ng	98
28) bis(2-Chloroethoxy)met...	10.373	93	149556	44.877	ng	99
29) 2,4-Dichlorophenol	10.620	162	134228	48.577	ng	97
30) 1,2,4-Trichlorobenzene	10.843	180	153051	45.870	ng	99
31) Naphthalene	11.031	128	384335	43.018	ng	100
32) Benzoic acid	10.273	122	79110	44.097	ng	99
33) 4-Chloroaniline	11.125	127	37251	10.423	ng	96
34) Hexachlorobutadiene	11.319	225	119748	41.828	ng	97
35) Caprolactam	11.895	113	39250m	47.491	ng	
36) 4-Chloro-3-methylphenol	12.235	107	141639	46.053	ng	97
37) 2-Methylnaphthalene	12.623	142	263299	39.382	ng	97
38) 1-Methylnaphthalene	12.840	142	275084	41.420	ng	97
40) 1,2,4,5-Tetrachloroben...	12.987	216	217214	42.646	ng	98
41) Hexachlorocyclopentadiene	12.970	237	292272	80.056	ng	96
43) 2,4,6-Trichlorophenol	13.217	196	138889	46.460	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	155253	46.305	ng		99
46) 1,1'-Biphenyl	13.616	154	412233	43.854	ng		98
47) 2-Chloronaphthalene	13.657	162	317228	42.836	ng		100
48) 2-Nitroaniline	13.851	65	107396	45.087	ng		99
49) Acenaphthylene	14.497	152	555917	43.939	ng		99
50) Dimethylphthalate	14.221	163	445893	43.129	ng		98
51) 2,6-Dinitrotoluene	14.333	165	95233	47.870	ng		95
52) Acenaphthene	14.838	154	380997	50.224	ng		99
53) 3-Nitroaniline	14.662	138	39171	19.950	ng		88
54) 2,4-Dinitrophenol	14.868	184	127379	92.027	ng		98
55) Dibenzofuran	15.167	168	535479	42.697	ng		97
56) 4-Nitrophenol	14.962	139	151190	97.051	ng		94
57) 2,4-Dinitrotoluene	15.120	165	136738	45.847	ng		97
58) Fluorene	15.813	166	419937	42.693	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.390	232	163314	49.368	ng		96
60) Diethylphthalate	15.573	149	428865	43.303	ng		100
61) 4-Chlorophenyl-phenyle...	15.802	204	250106	42.369	ng		99
62) 4-Nitroaniline	15.819	138	87679	43.104	ng		90
63) Azobenzene	16.090	77	401300	48.715	ng		97
65) 4,6-Dinitro-2-methylph...	15.878	198	92402	52.548	ng		96
66) n-Nitrosodiphenylamine	16.013	169	385312	46.447	ng		98
67) 4-Bromophenyl-phenylether	16.689	248	187577	45.100	ng		98
68) Hexachlorobenzene	16.812	284	222617	44.179	ng		95
69) Atrazine	16.947	200	178444	44.615	ng		99
70) Pentachlorophenol	17.153	266	282935	93.741	ng		99
71) Phenanthrene	17.547	178	762183	43.985	ng		99
72) Anthracene	17.635	178	774717	43.846	ng		98
73) Carbazole	17.893	167	668855	44.034	ng		99
74) Di-n-butylphthalate	18.446	149	753338	44.454	ng		99
75) Fluoranthene	19.539	202	986166	41.618	ng		99
77) Benzidine	19.709	184	404443	36.305	ng		98
78) Pyrene	19.897	202	1015709	48.720	ng		99
80) Butylbenzylphthalate	20.766	149	347928	47.447	ng		97
81) Benzo(a)anthracene	21.736	228	1103366	43.623	ng		99
82) 3,3'-Dichlorobenzidine	21.642	252	172582	18.538	ng		96
83) Chrysene	21.801	228	1035528	43.425	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	488553	45.593	ng		99
85) Di-n-octyl phthalate	22.858	149	815867	44.047	ng		98
87) Indeno(1,2,3-cd)pyrene	28.745	276	1231434	47.547	ng	#	98
88) Benzo(b)fluoranthene	23.980	252	1062278	44.280	ng		99
89) Benzo(k)fluoranthene	24.045	252	1078196	44.736	ng		100
90) Benzo(a)pyrene	24.862	252	1007629	45.279	ng		99
91) Dibenzo(a,h)anthracene	28.810	278	1015062	47.842	ng		96
92) Benzo(g,h,i)perylene	29.915	276	974807	47.739	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

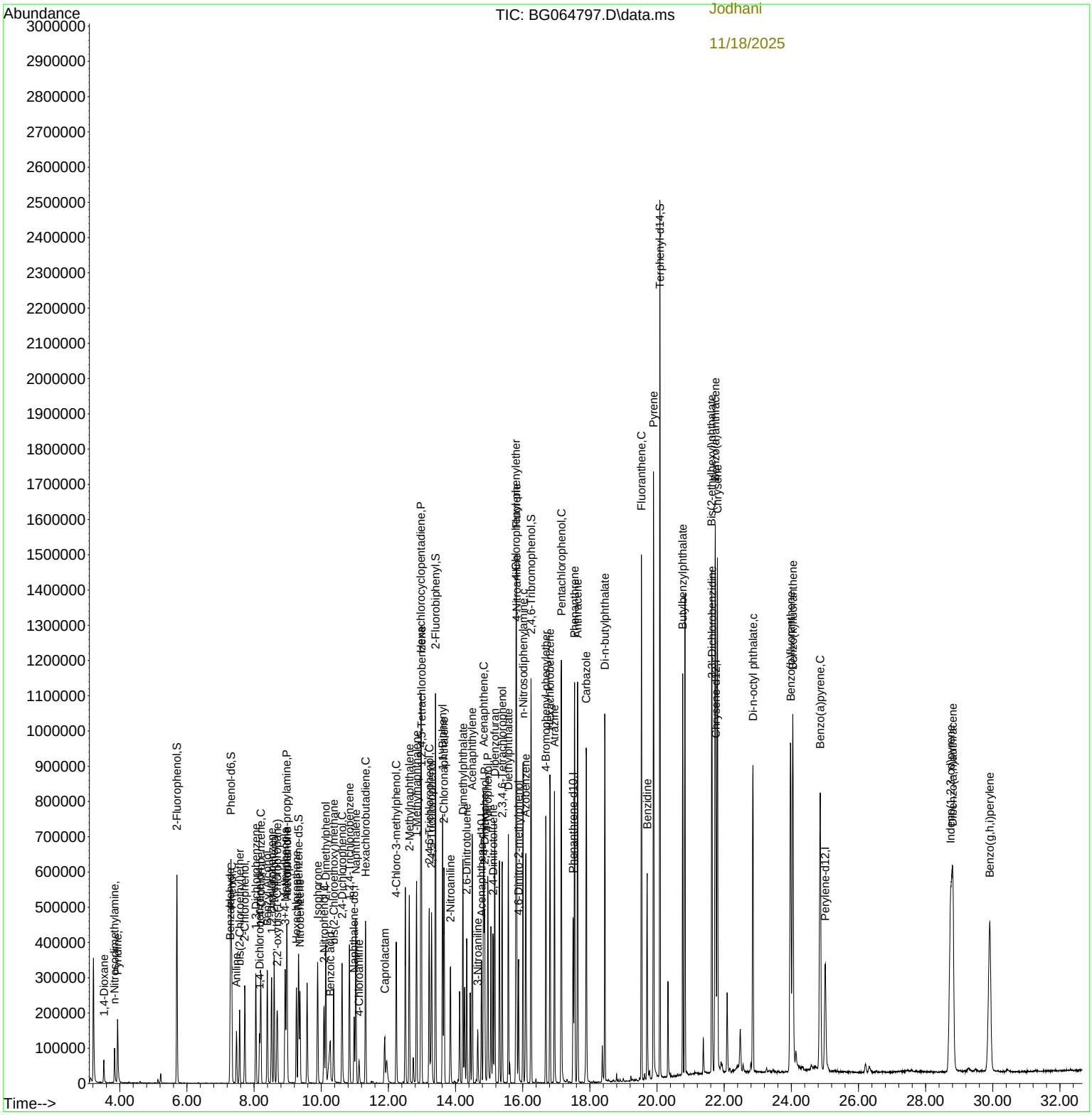
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025



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

Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF111725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF144263.D	Acenaphthene	Jagrut	11/18/2025 11:28:45 AM	Sohil	11/18/2025 3:23:14 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Acenaphthene	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Caprolactam	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(b)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(k)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064746.D	1,3-Dichlorobenzene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	2-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	Benzoic acid	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC020	BG064748.D	Benzoic acid	Jagrut	11/14/2025 11:30:41 AM	Sohil	11/14/2025 12:23:06 PM	Peak Integrated by Software
SSTDICCC040	BG064749.D	Benzoic acid	Jagrut	11/14/2025 11:30:43 AM	Sohil	11/14/2025 12:23:08 PM	Peak Integrated by Software
SSTDICC050	BG064750.D	Benzoic acid	Jagrut	11/14/2025 11:30:45 AM	Sohil	11/14/2025 12:23:10 PM	Peak Integrated by Software
SSTDICC060	BG064751.D	Benzoic acid	Jagrut	11/14/2025 11:30:48 AM	Sohil	11/14/2025 12:23:12 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Benzoic acid	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Caprolactam	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICV040	BG064753.D	Benzoic acid	Jagrut	11/14/2025 11:30:53 AM	Sohil	11/14/2025 12:23:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

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

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

Manual Integration Report

Sequence:	BG111725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064784.D	Benzoic acid	Jagrut	11/18/2025 11:27:50 AM	Sohil	11/18/2025 3:22:25 PM	Peak Integrated by Software
Q3649-08MS	BG064796.D	Caprolactam	Jagrut	11/18/2025 11:28:00 AM	Sohil	11/18/2025 3:22:43 PM	Peak Integrated by Software
Q3649-08MSD	BG064797.D	Caprolactam	Jagrut	11/18/2025 11:28:04 AM	Sohil	11/18/2025 3:22:49 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM		
SubDirectory	BF111725	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144262.D	17 Nov 2025 12:22	RC/JU	Ok
2	SSTDCCC040	BF144263.D	17 Nov 2025 12:52	RC/JU	Ok,M
3	PB170576BL	BF144264.D	17 Nov 2025 13:21	RC/JU	Ok
4	PB170576BS	BF144265.D	17 Nov 2025 13:52	RC/JU	Ok,M
5	Q3645-01	BF144266.D	17 Nov 2025 14:29	RC/JU	Ok,M
6	Q3648-01	BF144267.D	17 Nov 2025 14:59	RC/JU	Dilution
7	Q3646-01	BF144268.D	17 Nov 2025 15:29	RC/JU	Ok,M
8	Q3638-01	BF144269.D	17 Nov 2025 15:59	RC/JU	Ok,M
9	Q3638-03	BF144270.D	17 Nov 2025 16:28	RC/JU	Ok,M
10	Q3641-01	BF144271.D	17 Nov 2025 16:58	RC/JU	ReRun
11	Q3649-03	BF144272.D	17 Nov 2025 17:28	RC/JU	Ok,M
12	Q3648-01DL	BF144273.D	17 Nov 2025 17:58	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064744.D	12 Nov 2025 10:37	RC/JU	Ok
2	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17	RC/JU	Ok
3	SSTDICC005	BG064746.D	12 Nov 2025 11:58	RC/JU	Ok,M
4	SSTDICC010	BG064747.D	12 Nov 2025 12:39	RC/JU	Ok,M
5	SSTDICC020	BG064748.D	12 Nov 2025 13:20	RC/JU	Ok,M
6	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	RC/JU	Ok,M
7	SSTDICC050	BG064750.D	12 Nov 2025 14:41	RC/JU	Ok,M
8	SSTDICC060	BG064751.D	12 Nov 2025 15:23	RC/JU	Ok,M
9	SSTDICC080	BG064752.D	12 Nov 2025 16:04	RC/JU	Ok,M
10	SSTDICV040	BG064753.D	12 Nov 2025 16:45	RC/JU	Ok,M
11	PB170478BL	BG064754.D	12 Nov 2025 17:26	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM		
SubDirectory	BG111725	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064783.D	17 Nov 2025 12:42	RC/JU	Ok
2	SSTDCCC040	BG064784.D	17 Nov 2025 13:23	RC/JU	Ok,M
3	PB170586BL	BG064785.D	17 Nov 2025 15:18	RC/JU	Ok
4	PB170586BS	BG064786.D	17 Nov 2025 15:58	RC/JU	Ok,M
5	PB170544TB	BG064787.D	17 Nov 2025 16:39	RC/JU	Ok
6	Q3628-04	BG064788.D	17 Nov 2025 17:23	RC/JU	Ok
7	Q3628-04MS	BG064789.D	17 Nov 2025 18:04	RC/JU	Ok,M
8	Q3628-04MSD	BG064790.D	17 Nov 2025 18:45	RC/JU	Ok,M
9	Q3647-02	BG064791.D	17 Nov 2025 19:26	RC/JU	Ok
10	Q3649-06	BG064792.D	17 Nov 2025 20:07	RC/JU	Ok
11	Q3647-01	BG064793.D	17 Nov 2025 20:48	RC/JU	Ok
12	Q3649-01	BG064794.D	17 Nov 2025 21:28	RC/JU	Ok
13	Q3649-08	BG064795.D	17 Nov 2025 22:09	RC/JU	Ok
14	Q3649-08MS	BG064796.D	17 Nov 2025 22:50	RC/JU	Ok,M
15	Q3649-08MSD	BG064797.D	17 Nov 2025 23:31	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM		
SubDirectory	BF111725	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144262.D	17 Nov 2025 12:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144263.D	17 Nov 2025 12:52		RC/JU	Ok,M
3	PB170576BL	PB170576BL	BF144264.D	17 Nov 2025 13:21		RC/JU	Ok
4	PB170576BS	PB170576BS	BF144265.D	17 Nov 2025 13:52		RC/JU	Ok,M
5	Q3645-01	HD-02-11142025	BF144266.D	17 Nov 2025 14:29		RC/JU	Ok,M
6	Q3648-01	OR-02-111425	BF144267.D	17 Nov 2025 14:59	Need further 5X dilution	RC/JU	Dilution
7	Q3646-01	SU-03-11142025	BF144268.D	17 Nov 2025 15:29		RC/JU	Ok,M
8	Q3638-01	MOO-25-0327	BF144269.D	17 Nov 2025 15:59		RC/JU	Ok,M
9	Q3638-03	MOO-25-0328	BF144270.D	17 Nov 2025 16:28	Surrogate fail	RC/JU	Ok,M
10	Q3641-01	TR-05-111325	BF144271.D	17 Nov 2025 16:58	Surrogates failed. - RE-EXTRACTION.	RC/JU	ReRun
11	Q3649-03	DUPE-0.0-0.5-2025111	BF144272.D	17 Nov 2025 17:28		RC/JU	Ok,M
12	Q3648-01DL	OR-02-111425DL	BF144273.D	17 Nov 2025 17:58		RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064744.D	12 Nov 2025 10:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064746.D	12 Nov 2025 11:58		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064747.D	12 Nov 2025 12:39		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064748.D	12 Nov 2025 13:20		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	Compound#32,54,70 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064750.D	12 Nov 2025 14:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064751.D	12 Nov 2025 15:23		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064752.D	12 Nov 2025 16:04		RC/JU	Ok,M
10	SSTDICV040	ICVBG111225	BG064753.D	12 Nov 2025 16:45		RC/JU	Ok,M
11	PB170478BL	PB170478BL	BG064754.D	12 Nov 2025 17:26		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM		
SubDirectory	BG111725	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064783.D	17 Nov 2025 12:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064784.D	17 Nov 2025 13:23		RC/JU	Ok,M
3	PB170586BL	PB170586BL	BG064785.D	17 Nov 2025 15:18		RC/JU	Ok
4	PB170586BS	PB170586BS	BG064786.D	17 Nov 2025 15:58		RC/JU	Ok,M
5	PB170544TB	PB170544TB	BG064787.D	17 Nov 2025 16:39		RC/JU	Ok
6	Q3628-04	TP-5	BG064788.D	17 Nov 2025 17:23		RC/JU	Ok
7	Q3628-04MS	TP-5MS	BG064789.D	17 Nov 2025 18:04		RC/JU	Ok,M
8	Q3628-04MSD	TP-5MSD	BG064790.D	17 Nov 2025 18:45		RC/JU	Ok,M
9	Q3647-02	VNJ-212	BG064791.D	17 Nov 2025 19:26		RC/JU	Ok
10	Q3649-06	B4-0.0-0.5-20251114	BG064792.D	17 Nov 2025 20:07		RC/JU	Ok
11	Q3647-01	VNJ-212	BG064793.D	17 Nov 2025 20:48		RC/JU	Ok
12	Q3649-01	B5-0.0-0.5-20251114	BG064794.D	17 Nov 2025 21:28		RC/JU	Ok
13	Q3649-08	B3-0.0-0.5-20251114	BG064795.D	17 Nov 2025 22:09		RC/JU	Ok
14	Q3649-08MS	B3-0.0-0.5-20251114MS	BG064796.D	17 Nov 2025 22:50		RC/JU	Ok,M
15	Q3649-08MSD	B3-0.0-0.5-20251114MS	BG064797.D	17 Nov 2025 23:31		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170576

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/17/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Ext lab)	JY/SVOC
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170576

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170576BL	SBLK576	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U4-1
PB170576BS	SLCS576	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q3638-01	MOO-25-0327	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E	Small Particles	3
Q3638-03	MOO-25-0328	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E	Small Particles	4
Q3641-01	TR-05-111325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q3645-01	HD-02-11142025	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q3646-01	SU-03-11142025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U6-1
Q3647-01	VNJ-212	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E	Concrete	2
Q3648-01	OR-02-111425	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3
Q3649-01	B5-0.0-0.5-20251114	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		4
Q3649-03	DUPE-0.0-0.5-20251114	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	B		5
Q3649-06	B4-0.0-0.5-20251114	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		6
Q3649-08	B3-0.0-0.5-20251114	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		U1-1
Q3649-08MS	B3-0.0-0.5-20251114MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		2
Q3649-08MS D	B3-0.0-0.5-20251114MS D	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		3

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

Q3649

7057 6 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3645 **WorkList ID :** 193147 **Department :** Extraction **Date :** 11-17-2025 09:00:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3638-03	MOO-25-0328	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3641-01	TR-05-111325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/13/2025	8270E
Q3645-01	HD-02-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D51	11/14/2025	8270E
Q3646-01	SU-03-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	11/14/2025	8270E
Q3647-01	VNJ-212	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/14/2025	8270E
Q3648-01	OR-02-111425	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/14/2025	8270E
Q3649-01	B5-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-03	DUPE-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-06	B4-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-08	B3-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E

301 of 788

Date/Time 11/17/25 9:25
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by:

Date/Time 11/17/25 9:47
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT Lab)

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUPE-0.0-0.5-20251114								
Q3649-03	DUPE-0.0-0.5-202511	SOIL	4,4-DDT	2.60	P	0.16	2.00	ug/kg
			Total Concentration:	**2.600**				

SAMPLE DATA

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.14	U	1	0.14	1.90	ug/kg	11/17/25 21:11	PB170575
319-85-7	beta-BHC	0.20	U	1	0.20	1.90	ug/kg	11/17/25 21:11	PB170575
319-86-8	delta-BHC	0.43	U	1	0.43	1.90	ug/kg	11/17/25 21:11	PB170575
58-89-9	gamma-BHC (Lindane)	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
76-44-8	Heptachlor	0.13	U	1	0.13	1.90	ug/kg	11/17/25 21:11	PB170575
309-00-2	Aldrin	0.13	U	1	0.13	1.90	ug/kg	11/17/25 21:11	PB170575
1024-57-3	Heptachlor epoxide	0.21	U	1	0.21	1.90	ug/kg	11/17/25 21:11	PB170575
959-98-8	Endosulfan I	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
60-57-1	Dieldrin	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
72-55-9	4,4-DDE	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
72-20-8	Endrin	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
33213-65-9	Endosulfan II	0.32	U	1	0.32	1.90	ug/kg	11/17/25 21:11	PB170575
72-54-8	4,4-DDD	0.17	U	1	0.17	1.90	ug/kg	11/17/25 21:11	PB170575
1031-07-8	Endosulfan Sulfate	0.14	U	1	0.14	1.90	ug/kg	11/17/25 21:11	PB170575
50-29-3	4,4-DDT	0.15	U	1	0.15	1.90	ug/kg	11/17/25 21:11	PB170575
72-43-5	Methoxychlor	0.41	U	1	0.41	1.90	ug/kg	11/17/25 21:11	PB170575
53494-70-5	Endrin ketone	0.21	U	1	0.21	1.90	ug/kg	11/17/25 21:11	PB170575
7421-93-4	Endrin aldehyde	0.41	U	1	0.41	1.90	ug/kg	11/17/25 21:11	PB170575
5103-71-9	alpha-Chlordane	0.13	U	1	0.13	1.90	ug/kg	11/17/25 21:11	PB170575
5103-74-2	gamma-Chlordane	0.17	U	1	0.17	1.90	ug/kg	11/17/25 21:11	PB170575
8001-35-2	Toxaphene	6.00	U	1	6.00	36.4	ug/kg	11/17/25 21:11	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.7			30 (10) - 150 (143)	84%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.9			30 (10) - 150 (131)	89%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.15	U	1	0.15	2.00	ug/kg	11/17/25 21:24	PB170575
319-85-7	beta-BHC	0.21	U	1	0.21	2.00	ug/kg	11/17/25 21:24	PB170575
319-86-8	delta-BHC	0.45	U	1	0.45	2.00	ug/kg	11/17/25 21:24	PB170575
58-89-9	gamma-BHC (Lindane)	0.16	U	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
76-44-8	Heptachlor	0.14	U	1	0.14	2.00	ug/kg	11/17/25 21:24	PB170575
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	11/17/25 21:24	PB170575
1024-57-3	Heptachlor epoxide	0.22	U	1	0.22	2.00	ug/kg	11/17/25 21:24	PB170575
959-98-8	Endosulfan I	0.16	U	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
60-57-1	Dieldrin	0.16	U	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
72-55-9	4,4-DDE	0.16	U	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
72-20-8	Endrin	0.16	U	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
33213-65-9	Endosulfan II	0.33	U	1	0.33	2.00	ug/kg	11/17/25 21:24	PB170575
72-54-8	4,4-DDD	0.17	U	1	0.17	2.00	ug/kg	11/17/25 21:24	PB170575
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	2.00	ug/kg	11/17/25 21:24	PB170575
50-29-3	4,4-DDT	2.60	P	1	0.16	2.00	ug/kg	11/17/25 21:24	PB170575
72-43-5	Methoxychlor	0.43	U	1	0.43	2.00	ug/kg	11/17/25 21:24	PB170575
53494-70-5	Endrin ketone	0.22	U	1	0.22	2.00	ug/kg	11/17/25 21:24	PB170575
7421-93-4	Endrin aldehyde	0.43	U	1	0.43	2.00	ug/kg	11/17/25 21:24	PB170575
5103-71-9	alpha-Chlordane	0.14	U	1	0.14	2.00	ug/kg	11/17/25 21:24	PB170575
5103-74-2	gamma-Chlordane	0.17	U	1	0.17	2.00	ug/kg	11/17/25 21:24	PB170575
8001-35-2	Toxaphene	6.20	U	1	6.20	38.0	ug/kg	11/17/25 21:24	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	14.2			30 (10) - 150 (143)	71%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.7			30 (10) - 150 (131)	88%	SPK: 20		

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

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.4
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.14	U	1	0.14	1.90	ug/kg	11/17/25 22:05	PB170575
319-85-7	beta-BHC	0.20	U	1	0.20	1.90	ug/kg	11/17/25 22:05	PB170575
319-86-8	delta-BHC	0.43	U	1	0.43	1.90	ug/kg	11/17/25 22:05	PB170575
58-89-9	gamma-BHC (Lindane)	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
76-44-8	Heptachlor	0.13	U	1	0.13	1.90	ug/kg	11/17/25 22:05	PB170575
309-00-2	Aldrin	0.13	U	1	0.13	1.90	ug/kg	11/17/25 22:05	PB170575
1024-57-3	Heptachlor epoxide	0.21	U	1	0.21	1.90	ug/kg	11/17/25 22:05	PB170575
959-98-8	Endosulfan I	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
60-57-1	Dieldrin	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
72-55-9	4,4-DDE	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
72-20-8	Endrin	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
33213-65-9	Endosulfan II	0.32	U	1	0.32	1.90	ug/kg	11/17/25 22:05	PB170575
72-54-8	4,4-DDD	0.16	U	1	0.16	1.90	ug/kg	11/17/25 22:05	PB170575
1031-07-8	Endosulfan Sulfate	0.14	U	1	0.14	1.90	ug/kg	11/17/25 22:05	PB170575
50-29-3	4,4-DDT	0.15	U	1	0.15	1.90	ug/kg	11/17/25 22:05	PB170575
72-43-5	Methoxychlor	0.40	U	1	0.40	1.90	ug/kg	11/17/25 22:05	PB170575
53494-70-5	Endrin ketone	0.21	U	1	0.21	1.90	ug/kg	11/17/25 22:05	PB170575
7421-93-4	Endrin aldehyde	0.40	U	1	0.40	1.90	ug/kg	11/17/25 22:05	PB170575
5103-71-9	alpha-Chlordane	0.13	U	1	0.13	1.90	ug/kg	11/17/25 22:05	PB170575
5103-74-2	gamma-Chlordane	0.16	U	1	0.16	1.90	ug/kg	11/17/25 22:05	PB170575
8001-35-2	Toxaphene	5.90	U	1	5.90	36.1	ug/kg	11/17/25 22:05	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.5			30 (10) - 150 (143)	67%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.1			30 (10) - 150 (131)	91%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.15	U	1	0.15	2.00	ug/kg	11/17/25 22:19	PB170575
319-85-7	beta-BHC	0.21	U	1	0.21	2.00	ug/kg	11/17/25 22:19	PB170575
319-86-8	delta-BHC	0.45	U	1	0.45	2.00	ug/kg	11/17/25 22:19	PB170575
58-89-9	gamma-BHC (Lindane)	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
76-44-8	Heptachlor	0.14	U	1	0.14	2.00	ug/kg	11/17/25 22:19	PB170575
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	11/17/25 22:19	PB170575
1024-57-3	Heptachlor epoxide	0.22	U	1	0.22	2.00	ug/kg	11/17/25 22:19	PB170575
959-98-8	Endosulfan I	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
60-57-1	Dieldrin	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
72-55-9	4,4-DDE	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
72-20-8	Endrin	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
33213-65-9	Endosulfan II	0.34	U	1	0.34	2.00	ug/kg	11/17/25 22:19	PB170575
72-54-8	4,4-DDD	0.17	U	1	0.17	2.00	ug/kg	11/17/25 22:19	PB170575
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	2.00	ug/kg	11/17/25 22:19	PB170575
50-29-3	4,4-DDT	0.16	U	1	0.16	2.00	ug/kg	11/17/25 22:19	PB170575
72-43-5	Methoxychlor	0.43	U	1	0.43	2.00	ug/kg	11/17/25 22:19	PB170575
53494-70-5	Endrin ketone	0.22	U	1	0.22	2.00	ug/kg	11/17/25 22:19	PB170575
7421-93-4	Endrin aldehyde	0.43	U	1	0.43	2.00	ug/kg	11/17/25 22:19	PB170575
5103-71-9	alpha-Chlordane	0.14	U	1	0.14	2.00	ug/kg	11/17/25 22:19	PB170575
5103-74-2	gamma-Chlordane	0.17	U	1	0.17	2.00	ug/kg	11/17/25 22:19	PB170575
8001-35-2	Toxaphene	6.30	U	1	6.30	38.3	ug/kg	11/17/25 22:19	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.3			30 (10) - 150 (143)	81%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.2			30 (10) - 150 (131)	96%	SPK: 20		

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD091193.D	PIBLK-PD091193.D	Decachlorobiphen	1	20	20.8	104		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	19.5	98		30 (41)	150 (134)
		Decachlorobiphen	2	20	20.1	100		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	20.0	100		30 (41)	150 (134)
I.BLK-PD091218.D	PIBLK-PD091218.D	Decachlorobiphen	1	20	20.0	100		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	19.6	98		30 (41)	150 (134)
		Decachlorobiphen	2	20	19.3	96		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (41)	150 (134)
PB170575BL	PB170575BL	Decachlorobiphen	1	20	19.1	96		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	18.2	91		30 (10)	150 (131)
		Decachlorobiphen	2	20	19.9	100		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	19.7	98		30 (10)	150 (131)
PB170575BS	PB170575BS	Decachlorobiphen	1	20	23.6	118		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	21.9	109		30 (10)	150 (131)
		Decachlorobiphen	2	20	25.0	125		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	24.0	120		30 (10)	150 (131)
I.BLK-PD091234.D	PIBLK-PD091234.D	Decachlorobiphen	1	20	20.8	104		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	20.0	100		30 (41)	150 (134)
		Decachlorobiphen	2	20	18.9	94		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	21.4	107		30 (41)	150 (134)
Q3649-01	B5-0.0-0.5-20251114	Decachlorobiphen	1	20	16.7	84		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	16.8	84		30 (10)	150 (131)
		Decachlorobiphen	2	20	15.4	77		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	17.9	89		30 (10)	150 (131)
Q3649-03	DUPE-0.0-0.5-20251114	Decachlorobiphen	1	20	14.2	71		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	17.7	88		30 (10)	150 (131)
		Decachlorobiphen	2	20	12.6	63		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	16.6	83		30 (10)	150 (131)
Q3649-03MS	DUPE-0.0-0.5-20251114MS	Decachlorobiphen	1	20	14.4	72		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	16.8	84		30 (10)	150 (131)
		Decachlorobiphen	2	20	12.1	61		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	17.4	87		30 (10)	150 (131)
Q3649-03MSD	DUPE-0.0-0.5-20251114MSD	Decachlorobiphen	1	20	13.1	65		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	16.3	81		30 (10)	150 (131)
		Decachlorobiphen	2	20	11.4	57		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	17.1	86		30 (10)	150 (131)
Q3649-06	B4-0.0-0.5-20251114	Decachlorobiphen	1	20	13.5	67		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	17.1	85		30 (10)	150 (131)
		Decachlorobiphen	2	20	11.5	58		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	18.1	91		30 (10)	150 (131)
Q3649-08	B3-0.0-0.5-20251114	Decachlorobiphen	1	20	16.3	81		30 (10)	150 (143)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3649-08	B3-0.0-0.5-20251114	Tetrachloro-m-xyl	1	20	19.1	96		30 (10)	150 (131)
		Decachlorobiphen	2	20	14.7	74		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	19.2	96		30 (10)	150 (131)
I.BLK-PD091243.D	PIBLK-PD091243.D	Decachlorobiphen	1	20	20.3	102		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	19.8	99		30 (41)	150 (134)
		Decachlorobiphen	2	20	17.5	88		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	21.2	106		30 (41)	150 (134)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091239.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3649-03MS (Column 1)**	**Client Sample ID:**		**DUPE-0.0-0.5-20251114MS**								
	alpha-BHC	19.24	0	17.5	ug/kg	91				30 (60)	150 (144)	
	beta-BHC	19.24	0	16.4	ug/kg	85				30 (54)	150 (143)	
	delta-BHC	19.24	0	16.7	ug/kg	87				30 (47)	150 (129)	
	gamma-BHC (Lindane)	19.24	0	17.5	ug/kg	91				30 (39)	150 (136)	
	Heptachlor	19.24	0	18.2	ug/kg	95				30 (33)	150 (148)	
	Aldrin	19.24	0	16.7	ug/kg	87				30 (38)	150 (139)	
	Heptachlor epoxide	19.24	0	16.1	ug/kg	84				30 (23)	150 (155)	
	Endosulfan I	19.24	0	16.9	ug/kg	88				30 (30)	150 (142)	
	Dieldrin	19.24	0	24.0	ug/kg	125				30 (32)	150 (140)	
	4,4'-DDE	19.24	0	15.8	ug/kg	82				30 (20)	150 (156)	
	Endrin	19.24	0	18.7	ug/kg	97				30 (57)	150 (139)	
	Endosulfan II	19.24	0	16.9	ug/kg	88				30 (41)	150 (125)	
	4,4'-DDD	19.24	0	15.8	ug/kg	82				30 (47)	150 (163)	
	Endosulfan sulfate	19.24	0	15.9	ug/kg	83				30 (43)	150 (125)	
	4,4'-DDT	19.24	1.50	21.4	ug/kg	103				30 (25)	150 (149)	
	Methoxychlor	19.24	0	18.9	ug/kg	98				30 (32)	150 (132)	
	Endrin ketone	19.24	0	15.5	ug/kg	81				30 (27)	150 (142)	
	Endrin aldehyde	19.24	0	16.7	ug/kg	87				30 (19)	150 (148)	
	alpha-Chlordane	19.24	0	16.2	ug/kg	84				30 (26)	150 (147)	
	gamma-Chlordane	19.24	0	16.2	ug/kg	84				30 (30)	150 (142)	
Lab Sample ID:	**Q3649-03MS (Column 2)**	**Client Sample ID:**		**DUPE-0.0-0.5-20251114MS**								
	alpha-BHC	19.24	0	17.5	ug/kg	91				30 (60)	150 (144)	
	beta-BHC	19.24	0	18.2	ug/kg	95				30 (54)	150 (143)	
	delta-BHC	19.24	0	16.6	ug/kg	86				30 (47)	150 (129)	
	gamma-BHC (Lindane)	19.24	0	17.0	ug/kg	88				30 (39)	150 (136)	
	Heptachlor	19.24	0	17.4	ug/kg	90				30 (33)	150 (148)	
	Aldrin	19.24	0	16.7	ug/kg	87				30 (38)	150 (139)	
	Heptachlor epoxide	19.24	0	16.4	ug/kg	85				30 (23)	150 (155)	
	Endosulfan I	19.24	0	14.5	ug/kg	75				30 (30)	150 (142)	
	Dieldrin	19.24	0	23.1	ug/kg	120				30 (32)	150 (140)	
	4,4'-DDE	19.24	0	16.0	ug/kg	83				30 (20)	150 (156)	
	Endrin	19.24	0	17.3	ug/kg	90				30 (57)	150 (139)	
	Endosulfan II	19.24	0	15.9	ug/kg	83				30 (41)	150 (125)	
	4,4'-DDD	19.24	0	12.6	ug/kg	65				30 (47)	150 (163)	
	Endosulfan sulfate	19.24	0	14.8	ug/kg	77				30 (43)	150 (125)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091239.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.24	2.60	19.8	ug/kg	89				30 (25)	150 (149)	
Methoxychlor	19.24	0	15.4	ug/kg	80				30 (32)	150 (132)	
Endrin ketone	19.24	0	11.7	ug/kg	61				30 (27)	150 (142)	
Endrin aldehyde	19.24	0	15.1	ug/kg	78				30 (19)	150 (148)	
alpha-Chlordane	19.24	0	17.0	ug/kg	88				30 (26)	150 (147)	
gamma-Chlordane	19.24	0	16.6	ug/kg	86				30 (30)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091240.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3649-03MSD (Column 1)**	**Client Sample ID:**		**DUPE-0.0-0.5-20251114MS**								
	alpha-BHC	19.22	0	16.9	ug/kg	88		3		30 (60)	150 (144)	30 (15)
	beta-BHC	19.22	0	16.5	ug/kg	86		1		30 (54)	150 (143)	30 (15)
	delta-BHC	19.22	0	16.4	ug/kg	85		2		30 (47)	150 (129)	30 (20)
	gamma-BHC (Lindane)	19.22	0	16.9	ug/kg	88		3		30 (39)	150 (136)	30 (30)
	Heptachlor	19.22	0	16.9	ug/kg	88		8		30 (33)	150 (148)	30 (20)
	Aldrin	19.22	0	16.2	ug/kg	84		4		30 (38)	150 (139)	30 (30)
	Heptachlor epoxide	19.22	0	15.7	ug/kg	82		2		30 (23)	150 (155)	30 (16)
	Endosulfan I	19.22	0	16.2	ug/kg	84		5		30 (30)	150 (142)	30 (15)
	Dieldrin	19.22	0	23.1	ug/kg	120		4		30 (32)	150 (140)	30 (20)
	4,4'-DDE	19.22	0	15.2	ug/kg	79		4		30 (20)	150 (156)	30 (16)
	Endrin	19.22	0	18.0	ug/kg	94		3		30 (57)	150 (139)	30 (16)
	Endosulfan II	19.22	0	16.3	ug/kg	85		3		30 (41)	150 (125)	30 (15)
	4,4'-DDD	19.22	0	15.3	ug/kg	80		2		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.22	0	15.2	ug/kg	79		5		30 (43)	150 (125)	30 (15)
	4,4'-DDT	19.22	1.50	20.0	ug/kg	96		7		30 (25)	150 (149)	30 (15)
	Methoxychlor	19.22	0	17.2	ug/kg	89		10		30 (32)	150 (132)	30 (20)
	Endrin ketone	19.22	0	14.8	ug/kg	77		5		30 (27)	150 (142)	30 (15)
	Endrin aldehyde	19.22	0	15.8	ug/kg	82		6		30 (19)	150 (148)	30 (15)
	alpha-Chlordane	19.22	0	15.4	ug/kg	80		5		30 (26)	150 (147)	30 (20)
	gamma-Chlordane	19.22	0	15.7	ug/kg	82		2		30 (30)	150 (142)	30 (15)
Lab Sample ID:	**Q3649-03MSD (Column 2)**	**Client Sample ID:**		**DUPE-0.0-0.5-20251114MS**								
	alpha-BHC	19.22	0	17.2	ug/kg	89		2		30 (60)	150 (144)	30 (15)
	beta-BHC	19.22	0	17.8	ug/kg	93		2		30 (54)	150 (143)	30 (15)
	delta-BHC	19.22	0	16.2	ug/kg	84		2		30 (47)	150 (129)	30 (20)
	gamma-BHC (Lindane)	19.22	0	16.6	ug/kg	86		2		30 (39)	150 (136)	30 (30)
	Heptachlor	19.22	0	16.3	ug/kg	85		6		30 (33)	150 (148)	30 (20)
	Aldrin	19.22	0	16.3	ug/kg	85		2		30 (38)	150 (139)	30 (30)
	Heptachlor epoxide	19.22	0	16.0	ug/kg	83		2		30 (23)	150 (155)	30 (16)
	Endosulfan I	19.22	0	14.1	ug/kg	73		3		30 (30)	150 (142)	30 (15)
	Dieldrin	19.22	0	22.5	ug/kg	117		3		30 (32)	150 (140)	30 (20)
	4,4'-DDE	19.22	0	15.4	ug/kg	80		4		30 (20)	150 (156)	30 (16)
	Endrin	19.22	0	16.6	ug/kg	86		5		30 (57)	150 (139)	30 (16)
	Endosulfan II	19.22	0	15.3	ug/kg	80		4		30 (41)	150 (125)	30 (15)
	4,4'-DDD	19.22	0	12.2	ug/kg	63		3		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.22	0	14.0	ug/kg	73		5		30 (43)	150 (125)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091240.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.22	2.60	18.1	ug/kg	81		9		30 (25)	150 (149)	30 (15)
Methoxychlor	19.22	0	14.1	ug/kg	73		9		30 (32)	150 (132)	30 (20)
Endrin ketone	19.22	0	10.9	ug/kg	57		7		30 (27)	150 (142)	30 (15)
Endrin aldehyde	19.22	0	14.3	ug/kg	74		5		30 (19)	150 (148)	30 (15)
alpha-Chlordane	19.22	0	16.5	ug/kg	86		2		30 (26)	150 (147)	30 (20)
gamma-Chlordane	19.22	0	17.3	ug/kg	90		5		30 (30)	150 (142)	30 (15)

( ) = 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.: Q3649 **Analytical Method:** 8081B

Client: HDR, Inc. **Datafile :** PD091224.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170575BS (Column 1)	alpha-BHC	16.66	16.3	ug/kg	98				40 (84)	140 (123)	
	beta-BHC	16.66	15.6	ug/kg	94				40 (82)	140 (123)	
	delta-BHC	16.66	16.5	ug/kg	99				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.3	ug/kg	98				40 (83)	140 (125)	
	Heptachlor	16.66	16.3	ug/kg	98				40 (83)	140 (122)	
	Aldrin	16.66	16.2	ug/kg	97				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	16.0	ug/kg	96				40 (83)	140 (120)	
	Endosulfan I	16.66	16.0	ug/kg	96				40 (81)	140 (124)	
	Dieldrin	16.66	16.3	ug/kg	98				40 (85)	140 (121)	
	4,4'-DDE	16.66	16.3	ug/kg	98				40 (81)	140 (123)	
	Endrin	16.66	15.0	ug/kg	90				40 (76)	140 (130)	
	Endosulfan II	16.66	16.1	ug/kg	97				40 (80)	140 (125)	
	4,4'-DDD	16.66	16.0	ug/kg	96				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	15.9	ug/kg	95				40 (81)	140 (122)	
	4,4'-DDT	16.66	16.5	ug/kg	99				40 (70)	140 (129)	
	Methoxychlor	16.66	15.6	ug/kg	94				40 (60)	140 (119)	
	Endrin ketone	16.66	16.5	ug/kg	99				40 (77)	140 (132)	
	Endrin aldehyde	16.66	16.5	ug/kg	99				40 (79)	140 (124)	
	alpha-Chlordane	16.66	15.3	ug/kg	92				40 (84)	140 (120)	
	gamma-Chlordane	16.66	16.3	ug/kg	98				40 (83)	140 (122)	
PB170575BS (Column 2)	alpha-BHC	16.66	17.1	ug/kg	103				40 (84)	140 (123)	
	beta-BHC	16.66	16.9	ug/kg	101				40 (82)	140 (123)	
	delta-BHC	16.66	17.1	ug/kg	103				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	17.1	ug/kg	103				40 (83)	140 (125)	
	Heptachlor	16.66	16.9	ug/kg	101				40 (83)	140 (122)	
	Aldrin	16.66	17.2	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				40 (83)	140 (120)	
	Endosulfan I	16.66	17.1	ug/kg	103				40 (81)	140 (124)	
	Dieldrin	16.66	17.1	ug/kg	103				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.1	ug/kg	103				40 (81)	140 (123)	
	Endrin	16.66	15.6	ug/kg	94				40 (76)	140 (130)	
	Endosulfan II	16.66	17.0	ug/kg	102				40 (80)	140 (125)	
	4,4'-DDD	16.66	16.7	ug/kg	100				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	17.0	ug/kg	102				40 (81)	140 (122)	
	4,4'-DDT	16.66	17.8	ug/kg	107				40 (70)	140 (129)	
	Methoxychlor	16.66	16.6	ug/kg	100				40 (60)	140 (119)	
	Endrin ketone	16.66	17.7	ug/kg	106				40 (77)	140 (132)	
	Endrin aldehyde	16.66	17.6	ug/kg	106				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.3	ug/kg	104				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.3	ug/kg	104				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170575BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab Sample ID: PB170575BL | Lab File ID: PD091223.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/17/2025

Date Analyzed (1): 11/17/2025 | Date Analyzed (2): 11/17/2025

Time Analyzed (1): 13:46 | Time Analyzed (2): 13:46

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
PB170575BS	PB170575BS	PD091224.D	11/17/2025	11/17/2025
B5-0.0-0.5-20251114	Q3649-01	PD091237.D	11/17/2025	11/17/2025
DUPE-0.0-0.5-20251114	Q3649-03	PD091238.D	11/17/2025	11/17/2025
DUPE-0.0-0.5-20251114MS	Q3649-03MS	PD091239.D	11/17/2025	11/17/2025
DUPE-0.0-0.5-20251114MSD	Q3649-03MSD	PD091240.D	11/17/2025	11/17/2025
B4-0.0-0.5-20251114	Q3649-06	PD091241.D	11/17/2025	11/17/2025
B3-0.0-0.5-20251114	Q3649-08	PD091242.D	11/17/2025	11/17/2025

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:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170575BL	SDG No.:	Q3649
Lab Sample ID:	PB170575BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.13	U	1	0.13	1.70	ug/kg	11/17/25 13:46	PB170575
319-85-7	beta-BHC	0.18	U	1	0.18	1.70	ug/kg	11/17/25 13:46	PB170575
319-86-8	delta-BHC	0.39	U	1	0.39	1.70	ug/kg	11/17/25 13:46	PB170575
58-89-9	gamma-BHC (Lindane)	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
76-44-8	Heptachlor	0.12	U	1	0.12	1.70	ug/kg	11/17/25 13:46	PB170575
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	11/17/25 13:46	PB170575
1024-57-3	Heptachlor epoxide	0.19	U	1	0.19	1.70	ug/kg	11/17/25 13:46	PB170575
959-98-8	Endosulfan I	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
72-20-8	Endrin	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
33213-65-9	Endosulfan II	0.29	U	1	0.29	1.70	ug/kg	11/17/25 13:46	PB170575
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	11/17/25 13:46	PB170575
1031-07-8	Endosulfan Sulfate	0.13	U	1	0.13	1.70	ug/kg	11/17/25 13:46	PB170575
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	11/17/25 13:46	PB170575
72-43-5	Methoxychlor	0.37	U	1	0.37	1.70	ug/kg	11/17/25 13:46	PB170575
53494-70-5	Endrin ketone	0.19	U	1	0.19	1.70	ug/kg	11/17/25 13:46	PB170575
7421-93-4	Endrin aldehyde	0.37	U	1	0.37	1.70	ug/kg	11/17/25 13:46	PB170575
5103-71-9	alpha-Chlordane	0.12	U	1	0.12	1.70	ug/kg	11/17/25 13:46	PB170575
5103-74-2	gamma-Chlordane	0.15	U	1	0.15	1.70	ug/kg	11/17/25 13:46	PB170575
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	11/17/25 13:46	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.9			30 (10) - 150 (143)	100%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.7			30 (10) - 150 (131)	98%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	PIBLK-PD091193.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PD091193.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/14/25	PD111525
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/14/25	PD111525
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/14/25	PD111525
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/14/25	PD111525
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/14/25	PD111525
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/14/25	PD111525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/14/25	PD111525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/14/25	PD111525
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/14/25	PD111525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/14/25	PD111525
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/14/25	PD111525
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/14/25	PD111525
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/14/25	PD111525
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/14/25	PD111525
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/14/25	PD111525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			30 (31) - 150 (149)	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			30 (41) - 150 (134)	100%	SPK: 20		

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PD091218.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PD091218.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/17/25	pd111725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/17/25	pd111725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/17/25	pd111725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/17/25	pd111725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/17/25	pd111725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/17/25	pd111725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/17/25	pd111725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/17/25	pd111725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/17/25	pd111725
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.0			30 (31) - 150 (149)	100%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.6			30 (41) - 150 (134)	113%	SPK: 20		

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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PD091234.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PD091234.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/17/25	pd111725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/17/25	pd111725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/17/25	pd111725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/17/25	pd111725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/17/25	pd111725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/17/25	pd111725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/17/25	pd111725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/17/25	pd111725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/17/25	pd111725
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			30 (31) - 150 (149)	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.4			30 (41) - 150 (134)	107%	SPK: 20		

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

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PD091243.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PD091243.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/17/25	pd111725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/17/25	pd111725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/17/25	pd111725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/17/25	pd111725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/17/25	pd111725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/17/25	pd111725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/17/25	pd111725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/17/25	pd111725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/17/25	pd111725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/17/25	pd111725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/17/25	pd111725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/17/25	pd111725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/17/25	pd111725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/17/25	pd111725
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.3			30 (31) - 150 (149)	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			30 (41) - 150 (134)	106%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170575BS	SDG No.:	Q3649
Lab Sample ID:	PB170575BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.1		1	0.13	1.70	ug/kg	11/17/25 14:00	PB170575
319-85-7	beta-BHC	16.9		1	0.18	1.70	ug/kg	11/17/25 14:00	PB170575
319-86-8	delta-BHC	17.1		1	0.39	1.70	ug/kg	11/17/25 14:00	PB170575
58-89-9	gamma-BHC (Lindane)	17.1		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
76-44-8	Heptachlor	16.9		1	0.12	1.70	ug/kg	11/17/25 14:00	PB170575
309-00-2	Aldrin	17.2		1	0.12	1.70	ug/kg	11/17/25 14:00	PB170575
1024-57-3	Heptachlor epoxide	17.0		1	0.19	1.70	ug/kg	11/17/25 14:00	PB170575
959-98-8	Endosulfan I	17.1		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
60-57-1	Dieldrin	17.1		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
72-55-9	4,4-DDE	17.1		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
72-20-8	Endrin	15.6		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
33213-65-9	Endosulfan II	17.0		1	0.29	1.70	ug/kg	11/17/25 14:00	PB170575
72-54-8	4,4-DDD	16.7		1	0.15	1.70	ug/kg	11/17/25 14:00	PB170575
1031-07-8	Endosulfan Sulfate	17.0		1	0.13	1.70	ug/kg	11/17/25 14:00	PB170575
50-29-3	4,4-DDT	17.8		1	0.14	1.70	ug/kg	11/17/25 14:00	PB170575
72-43-5	Methoxychlor	16.6		1	0.37	1.70	ug/kg	11/17/25 14:00	PB170575
53494-70-5	Endrin ketone	17.7		1	0.19	1.70	ug/kg	11/17/25 14:00	PB170575
7421-93-4	Endrin aldehyde	17.6		1	0.37	1.70	ug/kg	11/17/25 14:00	PB170575
5103-71-9	alpha-Chlordane	17.3		1	0.12	1.70	ug/kg	11/17/25 14:00	PB170575
5103-74-2	gamma-Chlordane	17.3		1	0.15	1.70	ug/kg	11/17/25 14:00	PB170575
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	11/17/25 14:00	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	25.0			30 (10) - 150 (143)	125%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	24.0			30 (10) - 150 (131)	120%	SPK: 20		

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

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.5		1	0.15	2.00	ug/kg	11/17/25 21:38	PB170575
319-85-7	beta-BHC	18.2		1	0.21	2.00	ug/kg	11/17/25 21:38	PB170575
319-86-8	delta-BHC	16.7		1	0.45	2.00	ug/kg	11/17/25 21:38	PB170575
58-89-9	gamma-BHC (Lindane)	17.5		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
76-44-8	Heptachlor	18.2		1	0.14	2.00	ug/kg	11/17/25 21:38	PB170575
309-00-2	Aldrin	16.7		1	0.14	2.00	ug/kg	11/17/25 21:38	PB170575
1024-57-3	Heptachlor epoxide	16.4		1	0.22	2.00	ug/kg	11/17/25 21:38	PB170575
959-98-8	Endosulfan I	16.9		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
60-57-1	Dieldrin	24.0		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
72-55-9	4,4-DDE	16.0		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
72-20-8	Endrin	18.7		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
33213-65-9	Endosulfan II	16.9		1	0.33	2.00	ug/kg	11/17/25 21:38	PB170575
72-54-8	4,4-DDD	15.8		1	0.17	2.00	ug/kg	11/17/25 21:38	PB170575
1031-07-8	Endosulfan Sulfate	15.9		1	0.15	2.00	ug/kg	11/17/25 21:38	PB170575
50-29-3	4,4-DDT	21.4		1	0.16	2.00	ug/kg	11/17/25 21:38	PB170575
72-43-5	Methoxychlor	18.9		1	0.43	2.00	ug/kg	11/17/25 21:38	PB170575
53494-70-5	Endrin ketone	15.5		1	0.22	2.00	ug/kg	11/17/25 21:38	PB170575
7421-93-4	Endrin aldehyde	16.7		1	0.43	2.00	ug/kg	11/17/25 21:38	PB170575
5103-71-9	alpha-Chlordane	17.0		1	0.14	2.00	ug/kg	11/17/25 21:38	PB170575
5103-74-2	gamma-Chlordane	16.6		1	0.17	2.00	ug/kg	11/17/25 21:38	PB170575
8001-35-2	Toxaphene	6.20	U	1	6.20	38.1	ug/kg	11/17/25 21:38	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	14.4			30 (10) - 150 (143)	72%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			30 (10) - 150 (131)	87%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.2		1	0.15	2.00	ug/kg	11/17/25 21:52	PB170575
319-85-7	beta-BHC	17.8		1	0.21	2.00	ug/kg	11/17/25 21:52	PB170575
319-86-8	delta-BHC	16.4		1	0.45	2.00	ug/kg	11/17/25 21:52	PB170575
58-89-9	gamma-BHC (Lindane)	16.9		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
76-44-8	Heptachlor	16.9		1	0.14	2.00	ug/kg	11/17/25 21:52	PB170575
309-00-2	Aldrin	16.3		1	0.14	2.00	ug/kg	11/17/25 21:52	PB170575
1024-57-3	Heptachlor epoxide	16.0		1	0.22	2.00	ug/kg	11/17/25 21:52	PB170575
959-98-8	Endosulfan I	16.2		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
60-57-1	Dieldrin	23.1		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
72-55-9	4,4-DDE	15.4		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
72-20-8	Endrin	18.0		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
33213-65-9	Endosulfan II	16.3		1	0.33	2.00	ug/kg	11/17/25 21:52	PB170575
72-54-8	4,4-DDD	15.3		1	0.17	2.00	ug/kg	11/17/25 21:52	PB170575
1031-07-8	Endosulfan Sulfate	15.2		1	0.15	2.00	ug/kg	11/17/25 21:52	PB170575
50-29-3	4,4-DDT	20.0		1	0.16	2.00	ug/kg	11/17/25 21:52	PB170575
72-43-5	Methoxychlor	17.2		1	0.43	2.00	ug/kg	11/17/25 21:52	PB170575
53494-70-5	Endrin ketone	14.8		1	0.22	2.00	ug/kg	11/17/25 21:52	PB170575
7421-93-4	Endrin aldehyde	15.8		1	0.43	2.00	ug/kg	11/17/25 21:52	PB170575
5103-71-9	alpha-Chlordane	16.5		1	0.14	2.00	ug/kg	11/17/25 21:52	PB170575
5103-74-2	gamma-Chlordane	17.3		1	0.17	2.00	ug/kg	11/17/25 21:52	PB170575
8001-35-2	Toxaphene	6.20	U	1	6.20	38.1	ug/kg	11/17/25 21:52	PB170575
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.1			30 (10) - 150 (143)	65%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.1			30 (10) - 150 (131)	86%	SPK: 20		

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,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

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

LAB FILE ID: RT 100 = PD091196.D RT 075 = PD091197.D
RT 050 = PD091198.D RT 025 = PD091199.D RT 005 = PD091200.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	7.01	7.02	7.01	7.02	7.01	7.01	6.91	7.11
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	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	9.06	9.06	9.06	9.07	9.06	9.06	8.96	9.16
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	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	7.14	7.14	7.14	7.14	7.14	7.14	7.04	7.24
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	7.62	7.63	7.62	7.62	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.32	4.32	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

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

LAB FILE ID: RT 100 = PD091196.D RT 075 = PD091197.D
RT 050 = PD091198.D RT 025 = PD091199.D RT 005 = PD091200.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
4,4'-DDT	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.25	4.25	4.25	4.25	4.25	4.25	4.15	4.35
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.11	5.11	5.11	5.12	5.11	5.11	5.01	5.21
Heptachlor	4.07	4.07	4.07	4.07	4.07	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.87	2.87	2.87	2.87	2.87	2.77	2.97

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

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

LAB FILE ID: CF 100 = PD091196.D CF 075 = PD091197.D
CF 050 = PD091198.D CF 025 = PD091199.D CF 005 = PD091200.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4592720000	4750410000	4706670000	4762630000	5745110000	4911510000	10
4,4'-DDE	5537410000	5724420000	5594750000	5596930000	6543500000	5799400000	7
4,4'-DDT	4033900000	4103640000	4023370000	3973800000	4542840000	4135510000	6
Aldrin	6913630000	7108360000	6994820000	7033330000	8231840000	7256400000	8
alpha-BHC	7991490000	8120730000	7870330000	7613270000	8381750000	7995510000	4
alpha-Chlordane	6168980000	6320470000	6262210000	6530520000	9131880000	6882810000	18
beta-BHC	2584470000	2701070000	2721620000	2850470000	3669860000	2905500000	15
Decachlorobiphenyl	4266550000	4520270000	4633000000	4951710000	6537810000	4981870000	18
delta-BHC	7343040000	7477970000	7279360000	7082560000	7977500000	7432080000	5
Dieldrin	6112350000	6323390000	6220240000	6264150000	7404460000	6464920000	8
Endosulfan I	5622190000	5847020000	5809210000	5991120000	7445430000	6142990000	12
Endosulfan II	5022110000	5221970000	5253890000	5419940000	6878740000	5559330000	14
Endosulfan sulfate	4635330000	4824080000	4867360000	5023730000	6373440000	5144790000	14
Endrin	4763010000	4861760000	4775160000	4762720000	5654790000	4963490000	8
Endrin aldehyde	3642590000	3820110000	3882150000	4087850000	5397480000	4166040000	17
Endrin ketone	5131250000	5317460000	5324710000	5507230000	6887120000	5633560000	13
gamma-BHC (Lindane)	7349570000	7492470000	7318000000	7162850000	8041460000	7472870000	5
gamma-Chlordane	6123460000	6343120000	6211230000	6313670000	7512390000	6500770000	9
Heptachlor	6873030000	7051630000	6922840000	6902860000	8058350000	7161740000	7
Heptachlor epoxide	6045880000	6198590000	6197710000	6327850000	7713630000	6496730000	11
Methoxychlor	1967810000	2033910000	2048060000	2143440000	2678460000	2174340000	13
Tetrachloro-m-xylene	3100550000	3224630000	3262160000	3454950000	4200860000	3448630000	13

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

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

LAB FILE ID: **CF 100 =** PD091196.D **CF 075 =** PD091197.D
CF 050 = PD091198.D **CF 025 =** PD091199.D **CF 005 =** PD091200.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	42169800000	44652200000	46098100000	48914200000	62508300000	48868500000	16
4,4'-DDE	46784900000	49153600000	50413800000	53041500000	67816900000	53442100000	16
4,4'-DDT	36565400000	37844700000	38225900000	38748200000	44278500000	39132500000	8
Aldrin	49756900000	52224800000	53642000000	56183400000	70485000000	56458400000	14
alpha-BHC	57081100000	59401300000	60005600000	62092800000	77433200000	63202800000	13
alpha-Chlordane	46162300000	48496400000	49694800000	52042000000	65261400000	52331400000	14
beta-BHC	20855800000	21963600000	22629700000	23880400000	30805800000	24027100000	16
Decachlorobiphenyl	35391500000	36530600000	37125400000	38755300000	50071600000	39574900000	15
delta-BHC	51951800000	54520500000	55333700000	57523500000	73056200000	58477100000	14
Dieldrin	47342900000	49974500000	51581700000	54390600000	68265900000	54311100000	15
Endosulfan I	41219300000	43810000000	45334200000	48114600000	60781000000	47851800000	16
Endosulfan II	40233600000	42630400000	44155200000	46739900000	59639900000	46679800000	16
Endosulfan sulfate	38807500000	40991800000	42555300000	44718700000	57101400000	44834900000	16
Endrin	39723100000	41747800000	43010100000	44994600000	56487600000	45192700000	15
Endrin aldehyde	29904600000	31738200000	33159100000	35293100000	46350200000	35289100000	18
Endrin ketone	43743400000	46381200000	48213200000	51142400000	65299300000	50955900000	17
gamma-BHC (Lindane)	52036700000	54159800000	54955200000	56993600000	70961400000	57821300000	13
gamma-Chlordane	48541600000	50822000000	51970500000	54222400000	67580500000	54627400000	14
Heptachlor	48452800000	51096600000	52341200000	55061200000	69095300000	55209400000	15
Heptachlor epoxide	43794700000	46344600000	48042100000	50883900000	65728100000	50958700000	17
Methoxychlor	17875100000	18763500000	19368600000	20213700000	24036200000	20051400000	12
Tetrachloro-m-xylene	32274400000	33875900000	34577100000	36418900000	46004800000	36630200000	15

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_D **Date(s) Analyzed:** 11/14/2025 11/14/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.23	6.13	6.33	42812100
		2	6.44	6.34	6.54	68979500
		3	7.14	7.04	7.24	112624000
		4	7.56	7.46	7.66	130712000
		5	7.92	7.82	8.02	79291700

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_D **Date(s) Analyzed:** 11/14/2025 11/14/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.46	5.36	5.56	348471000
		2	5.64	5.54	5.74	231072000
		3	6.74	6.64	6.84	1091020000
		4	7.19	7.09	7.29	705058000
		5	7.32	7.22	7.42	442502000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	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)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
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	7.14	7.04	7.24	0.00
4,4'-DDT	7.02	7.01	6.91	7.11	-0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.62	7.52	7.72	-0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091220.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.599	6.799	46.860	50.000	-6.3
4,4'-DDE	6.189	6.089	6.289	48.040	50.000	-3.9
4,4'-DDT	7.016	6.914	7.114	48.850	50.000	-2.3
Aldrin	5.263	5.163	5.363	48.120	50.000	-3.8
alpha-BHC	3.993	3.893	4.093	49.860	50.000	-0.3
alpha-Chlordane	6.020	5.919	6.119	45.510	50.000	-9.0
beta-BHC	4.511	4.411	4.611	47.530	50.000	-4.9
Decachlorobiphenyl	9.065	8.963	9.163	45.920	50.000	-8.2
delta-BHC	4.760	4.660	4.860	49.340	50.000	-1.3
Dieldrin	6.340	6.239	6.439	47.780	50.000	-4.4
Endosulfan I	6.067	5.966	6.166	47.150	50.000	-5.7
Endosulfan II	6.781	6.679	6.879	46.250	50.000	-7.5
Endosulfan sulfate	7.145	7.043	7.243	46.450	50.000	-7.1
Endrin	6.567	6.466	6.666	47.230	50.000	-5.5
Endrin aldehyde	6.910	6.808	7.008	46.310	50.000	-7.4
Endrin ketone	7.626	7.524	7.724	47.510	50.000	-5.0
gamma-BHC (Lindane)	4.324	4.224	4.424	49.610	50.000	-0.8
gamma-Chlordane	5.939	5.838	6.038	47.710	50.000	-4.6
Heptachlor	4.922	4.821	5.021	48.940	50.000	-2.1
Heptachlor epoxide	5.684	5.582	5.782	47.620	50.000	-4.8
Methoxychlor	7.488	7.387	7.587	47.290	50.000	-5.4
Tetrachloro-m-xylene	3.544	3.444	3.644	48.000	50.000	-4.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091220.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.918	5.817	6.017	49.260	50.000	-1.5
4,4'-DDE	5.363	5.263	5.463	51.190	50.000	2.4
4,4'-DDT	6.172	6.071	6.271	52.440	50.000	4.9
Aldrin	4.358	4.258	4.458	52.180	50.000	4.4
alpha-BHC	3.385	3.286	3.486	52.350	50.000	4.7
alpha-Chlordane	5.179	5.079	5.279	51.710	50.000	3.4
beta-BHC	4.017	3.918	4.118	51.600	50.000	3.2
Decachlorobiphenyl	8.059	7.958	8.158	48.700	50.000	-2.6
delta-BHC	4.254	4.153	4.353	51.680	50.000	3.4
Dieldrin	5.502	5.401	5.601	51.270	50.000	2.5
Endosulfan I	5.236	5.135	5.335	51.230	50.000	2.5
Endosulfan II	6.070	5.969	6.169	50.200	50.000	0.4
Endosulfan sulfate	6.472	6.371	6.571	50.000	50.000	0.0
Endrin	5.779	5.678	5.878	50.140	50.000	0.3
Endrin aldehyde	6.249	6.148	6.348	49.880	50.000	-0.2
Endrin ketone	6.981	6.880	7.080	49.990	50.000	0.0
gamma-BHC (Lindane)	3.721	3.621	3.821	52.280	50.000	4.6
gamma-Chlordane	5.115	5.014	5.214	52.060	50.000	4.1
Heptachlor	4.073	3.973	4.173	51.470	50.000	2.9
Heptachlor epoxide	4.862	4.762	4.962	51.490	50.000	3.0
Methoxychlor	6.743	6.641	6.841	49.060	50.000	-1.9
Tetrachloro-m-xylene	2.873	2.774	2.974	51.820	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 20:02 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	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)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
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	7.14	7.14	7.04	7.24	0.00
4,4'-DDT	7.01	7.01	6.91	7.11	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.62	7.52	7.72	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 20:02 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.01
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091236.D **Time Analyzed:** 20:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.697	6.599	6.799	44.500	50.000	-11.0
4,4'-DDE	6.187	6.089	6.289	49.510	50.000	-1.0
4,4'-DDT	7.013	6.914	7.114	58.790	50.000	17.6
Aldrin	5.261	5.163	5.363	48.730	50.000	-2.5
alpha-BHC	3.991	3.893	4.093	50.370	50.000	0.7
alpha-Chlordane	6.017	5.919	6.119	46.460	50.000	-7.1
beta-BHC	4.509	4.411	4.611	47.900	50.000	-4.2
Decachlorobiphenyl	9.062	8.963	9.163	46.500	50.000	-7.0
delta-BHC	4.757	4.660	4.860	45.560	50.000	-8.9
Dieldrin	6.337	6.239	6.439	48.980	50.000	-2.0
Endosulfan I	6.065	5.966	6.166	48.360	50.000	-3.3
Endosulfan II	6.778	6.679	6.879	49.660	50.000	-0.7
Endosulfan sulfate	7.142	7.043	7.243	47.340	50.000	-5.3
Endrin	6.565	6.466	6.666	54.020	50.000	8.0
Endrin aldehyde	6.907	6.808	7.008	46.460	50.000	-7.1
Endrin ketone	7.623	7.524	7.724	45.130	50.000	-9.7
gamma-BHC (Lindane)	4.322	4.224	4.424	50.160	50.000	0.3
gamma-Chlordane	5.937	5.838	6.038	48.750	50.000	-2.5
Heptachlor	4.919	4.821	5.021	51.520	50.000	3.0
Heptachlor epoxide	5.681	5.582	5.782	48.060	50.000	-3.9
Methoxychlor	7.486	7.387	7.587	55.420	50.000	10.8
Tetrachloro-m-xylene	3.542	3.444	3.644	48.160	50.000	-3.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091236.D **Time Analyzed:** 20:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.916	5.817	6.017	45.100	50.000	-9.8
4,4'-DDE	5.362	5.263	5.463	49.970	50.000	-0.1
4,4'-DDT	6.169	6.071	6.271	59.320	50.000	18.6
Aldrin	4.356	4.258	4.458	49.970	50.000	-0.1
alpha-BHC	3.383	3.286	3.486	50.530	50.000	1.1
alpha-Chlordane	5.178	5.079	5.279	50.170	50.000	0.3
beta-BHC	4.015	3.918	4.118	48.950	50.000	-2.1
Decachlorobiphenyl	8.057	7.958	8.158	44.480	50.000	-11.0
delta-BHC	4.252	4.153	4.353	49.960	50.000	-0.1
Dieldrin	5.500	5.401	5.601	49.880	50.000	-0.2
Endosulfan I	5.234	5.135	5.335	49.550	50.000	-0.9
Endosulfan II	6.068	5.969	6.169	48.100	50.000	-3.8
Endosulfan sulfate	6.470	6.371	6.571	48.370	50.000	-3.3
Endrin	5.776	5.678	5.878	55.250	50.000	10.5
Endrin aldehyde	6.246	6.148	6.348	47.470	50.000	-5.1
Endrin ketone	6.978	6.880	7.080	45.020	50.000	-10.0
gamma-BHC (Lindane)	3.719	3.621	3.821	49.620	50.000	-0.8
gamma-Chlordane	5.113	5.014	5.214	50.420	50.000	0.8
Heptachlor	4.071	3.973	4.173	52.080	50.000	4.2
Heptachlor epoxide	4.860	4.762	4.962	49.300	50.000	-1.4
Methoxychlor	6.741	6.641	6.841	56.900	50.000	13.8
Tetrachloro-m-xylene	2.872	2.774	2.974	49.870	50.000	-0.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 23:00 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	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)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
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	7.14	7.14	7.04	7.24	0.00
4,4'-DDT	7.01	7.01	6.91	7.11	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.62	7.52	7.72	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 23:00 **Initial Calibration Time(s):** 20:56 21:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091244.D **Time Analyzed:** 23:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.697	6.599	6.799	42.880	50.000	-14.2
4,4'-DDE	6.187	6.089	6.289	46.130	50.000	-7.7
4,4'-DDT	7.013	6.914	7.114	49.770	50.000	-0.5
Aldrin	5.261	5.163	5.363	46.240	50.000	-7.5
alpha-BHC	3.991	3.893	4.093	48.140	50.000	-3.7
alpha-Chlordane	6.017	5.919	6.119	43.510	50.000	-13.0
beta-BHC	4.509	4.411	4.611	45.990	50.000	-8.0
Decachlorobiphenyl	9.062	8.963	9.163	43.560	50.000	-12.9
delta-BHC	4.758	4.660	4.860	46.150	50.000	-7.7
Dieldrin	6.337	6.239	6.439	45.910	50.000	-8.2
Endosulfan I	6.065	5.966	6.166	45.230	50.000	-9.5
Endosulfan II	6.778	6.679	6.879	47.520	50.000	-5.0
Endosulfan sulfate	7.142	7.043	7.243	44.020	50.000	-12.0
Endrin	6.565	6.466	6.666	50.530	50.000	1.1
Endrin aldehyde	6.907	6.808	7.008	43.780	50.000	-12.4
Endrin ketone	7.622	7.524	7.724	41.250	50.000	-17.5
gamma-BHC (Lindane)	4.322	4.224	4.424	47.370	50.000	-5.3
gamma-Chlordane	5.937	5.838	6.038	46.090	50.000	-7.8
Heptachlor	4.919	4.821	5.021	45.720	50.000	-8.6
Heptachlor epoxide	5.681	5.582	5.782	46.110	50.000	-7.8
Methoxychlor	7.486	7.387	7.587	46.530	50.000	-6.9
Tetrachloro-m-xylene	3.542	3.444	3.644	46.160	50.000	-7.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091244.D **Time Analyzed:** 23:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.916	5.817	6.017	43.200	50.000	-13.6
4,4'-DDE	5.361	5.263	5.463	47.610	50.000	-4.8
4,4'-DDT	6.170	6.071	6.271	50.400	50.000	0.8
Aldrin	4.356	4.258	4.458	47.980	50.000	-4.0
alpha-BHC	3.384	3.286	3.486	48.310	50.000	-3.4
alpha-Chlordane	5.177	5.079	5.279	47.460	50.000	-5.1
beta-BHC	4.016	3.918	4.118	47.640	50.000	-4.7
Decachlorobiphenyl	8.057	7.958	8.158	40.840	50.000	-18.3
delta-BHC	4.251	4.153	4.353	48.090	50.000	-3.8
Dieldrin	5.500	5.401	5.601	47.090	50.000	-5.8
Endosulfan I	5.234	5.135	5.335	46.000	50.000	-8.0
Endosulfan II	6.068	5.969	6.169	45.850	50.000	-8.3
Endosulfan sulfate	6.470	6.371	6.571	45.380	50.000	-9.2
Endrin	5.776	5.678	5.878	51.450	50.000	2.9
Endrin aldehyde	6.246	6.148	6.348	44.780	50.000	-10.4
Endrin ketone	6.979	6.880	7.080	40.500	50.000	-19.0
gamma-BHC (Lindane)	3.719	3.621	3.821	47.730	50.000	-4.5
gamma-Chlordane	5.113	5.014	5.214	47.910	50.000	-4.2
Heptachlor	4.071	3.973	4.173	46.880	50.000	-6.2
Heptachlor epoxide	4.860	4.762	4.962	47.080	50.000	-5.8
Methoxychlor	6.741	6.641	6.841	47.560	50.000	-4.9
Tetrachloro-m-xylene	2.872	2.774	2.974	48.030	50.000	-3.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091194.D **Date Analyzed:** 11/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.064	8.960	9.160	20.170	20.000	0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	19.500	20.000	-2.5
alpha-BHC	3.993	3.940	4.040	8.250	10.000	-17.5
beta-BHC	4.511	4.460	4.560	9.240	10.000	-7.6
gamma-BHC (Lindane)	4.324	4.270	4.370	8.450	10.000	-15.5
Endrin	6.567	6.500	6.640	44.390	50.000	-11.2
4,4'-DDT	7.015	6.940	7.090	88.290	100.000	-11.7
Methoxychlor	7.487	7.420	7.560	207.040	250.000	-17.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091194.D **Date Analyzed:** 11/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	19.620	20.000	-1.9
Tetrachloro-m-xylene	2.874	2.820	2.920	19.370	20.000	-3.2
alpha-BHC	3.385	3.330	3.440	9.380	10.000	-6.2
beta-BHC	4.018	3.970	4.070	9.530	10.000	-4.7
gamma-BHC (Lindane)	3.721	3.670	3.770	9.460	10.000	-5.4
Endrin	5.779	5.710	5.850	45.450	50.000	-9.1
4,4'-DDT	6.172	6.100	6.240	89.340	100.000	-10.7
Methoxychlor	6.742	6.670	6.810	186.630	250.000	-25.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091219.D **Date Analyzed:** 11/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.970	9.170	20.390	20.000	2.0
Tetrachloro-m-xylene	3.544	3.490	3.590	21.040	20.000	5.2
alpha-BHC	3.993	3.940	4.040	8.920	10.000	-10.8
beta-BHC	4.511	4.460	4.560	9.940	10.000	-0.6
gamma-BHC (Lindane)	4.324	4.270	4.370	9.120	10.000	-8.8
Endrin	6.567	6.500	6.640	44.720	50.000	-10.6
4,4'-DDT	7.016	6.950	7.090	91.520	100.000	-8.5
Methoxychlor	7.489	7.420	7.560	211.580	250.000	-15.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091219.D **Date Analyzed:** 11/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.960	8.160	20.690	20.000	3.5
Tetrachloro-m-xylene	2.873	2.820	2.920	22.610	20.000	13.1
alpha-BHC	3.385	3.330	3.440	11.010	10.000	10.1
beta-BHC	4.017	3.970	4.070	11.240	10.000	12.4
gamma-BHC (Lindane)	3.721	3.670	3.770	11.030	10.000	10.3
Endrin	5.777	5.710	5.850	47.210	50.000	-5.6
4,4'-DDT	6.171	6.100	6.240	98.490	100.000	-1.5
Methoxychlor	6.741	6.670	6.810	191.760	250.000	-23.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091235.D **Date Analyzed:** 11/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	16.950	20.000	-15.3
Tetrachloro-m-xylene	3.542	3.490	3.590	17.020	20.000	-14.9
alpha-BHC	3.991	3.940	4.040	7.060	10.000	-29.4
beta-BHC	4.509	4.460	4.560	8.040	10.000	-19.6
gamma-BHC (Lindane)	4.321	4.270	4.370	7.320	10.000	-26.8
Endrin	6.565	6.490	6.640	41.850	50.000	-16.3
4,4'-DDT	7.013	6.940	7.080	90.270	100.000	-9.7
Methoxychlor	7.486	7.420	7.560	208.670	250.000	-16.5

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091235.D **Date Analyzed:** 11/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.960	8.160	15.820	20.000	-20.9
Tetrachloro-m-xylene	2.872	2.820	2.920	17.620	20.000	-11.9
alpha-BHC	3.383	3.330	3.430	8.510	10.000	-14.9
beta-BHC	4.016	3.970	4.070	8.510	10.000	-14.9
gamma-BHC (Lindane)	3.720	3.670	3.770	8.370	10.000	-16.3
Endrin	5.777	5.710	5.850	43.790	50.000	-12.4
4,4'-DDT	6.171	6.100	6.240	92.490	100.000	-7.5
Methoxychlor	6.741	6.670	6.810	190.580	250.000	-23.8

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/14/2025 11/14/2025

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	11/14/2025	20:01	PD091193.D	9.06	3.54
PEM	PEM	11/14/2025	20:15	PD091194.D	9.06	3.54
RESCHK	RESCHK	11/14/2025	20:43	PD091195.D	9.06	3.54
PSTDICC100	PSTDICC100	11/14/2025	20:56	PD091196.D	9.06	3.54
PSTDICC075	PSTDICC075	11/14/2025	21:10	PD091197.D	9.06	3.54
PSTDICC050	PSTDICC050	11/14/2025	21:24	PD091198.D	9.06	3.54
PSTDICC025	PSTDICC025	11/14/2025	21:37	PD091199.D	9.07	3.54
PSTDICC005	PSTDICC005	11/14/2025	21:51	PD091200.D	9.06	3.54
PCHLORICC500	PCHLORICC500	11/14/2025	22:32	PD091203.D	9.06	3.54
PTOXICC500	PTOXICC500	11/14/2025	23:40	PD091208.D	9.06	3.54
I.BLK	I.BLK	11/17/2025	09:51	PD091218.D	9.07	3.55
PEM	PEM	11/17/2025	10:04	PD091219.D	9.07	3.54
PSTDCCC050	PSTDCCC050	11/17/2025	10:18	PD091220.D	9.07	3.54
PB170575BL	PB170575BL	11/17/2025	13:46	PD091223.D	9.07	3.54
PB170575BS	PB170575BS	11/17/2025	14:00	PD091224.D	9.07	3.54
I.BLK	I.BLK	11/17/2025	19:21	PD091234.D	9.06	3.54
PEM	PEM	11/17/2025	19:35	PD091235.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/17/2025	20:02	PD091236.D	9.06	3.54
B5-0.0-0.5-20251114	Q3649-01	11/17/2025	21:11	PD091237.D	9.06	3.54
DUPE-0.0-0.5-20251114	Q3649-03	11/17/2025	21:24	PD091238.D	9.06	3.54
DUPE-0.0-0.5-20251114MS	Q3649-03MS	11/17/2025	21:38	PD091239.D	9.06	3.54
DUPE-0.0-0.5-20251114MSD	Q3649-03MSD	11/17/2025	21:52	PD091240.D	9.06	3.54
B4-0.0-0.5-20251114	Q3649-06	11/17/2025	22:05	PD091241.D	9.06	3.54
B3-0.0-0.5-20251114	Q3649-08	11/17/2025	22:19	PD091242.D	9.06	3.54
I.BLK	I.BLK	11/17/2025	22:33	PD091243.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/17/2025	23:00	PD091244.D	9.06	3.54

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/14/2025 11/14/2025

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	11/14/2025	20:01	PD091193.D	8.06	2.88
PEM	PEM	11/14/2025	20:15	PD091194.D	8.06	2.87
RESCHK	RESCHK	11/14/2025	20:43	PD091195.D	8.06	2.87
PSTDICC100	PSTDICC100	11/14/2025	20:56	PD091196.D	8.06	2.87
PSTDICC075	PSTDICC075	11/14/2025	21:10	PD091197.D	8.06	2.87
PSTDICC050	PSTDICC050	11/14/2025	21:24	PD091198.D	8.06	2.87
PSTDICC025	PSTDICC025	11/14/2025	21:37	PD091199.D	8.06	2.87
PSTDICC005	PSTDICC005	11/14/2025	21:51	PD091200.D	8.06	2.87
PCHLORICC500	PCHLORICC500	11/14/2025	22:32	PD091203.D	8.06	2.87
PTOXICC500	PTOXICC500	11/14/2025	23:40	PD091208.D	8.06	2.87
I.BLK	I.BLK	11/17/2025	09:51	PD091218.D	8.06	2.87
PEM	PEM	11/17/2025	10:04	PD091219.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/17/2025	10:18	PD091220.D	8.06	2.87
PB170575BL	PB170575BL	11/17/2025	13:46	PD091223.D	8.06	2.87
PB170575BS	PB170575BS	11/17/2025	14:00	PD091224.D	8.06	2.87
I.BLK	I.BLK	11/17/2025	19:21	PD091234.D	8.06	2.87
PEM	PEM	11/17/2025	19:35	PD091235.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/17/2025	20:02	PD091236.D	8.06	2.87
B5-0.0-0.5-20251114	Q3649-01	11/17/2025	21:11	PD091237.D	8.06	2.87
DUPE-0.0-0.5-20251114	Q3649-03	11/17/2025	21:24	PD091238.D	8.07	2.89
DUPE-0.0-0.5-20251114MS	Q3649-03MS	11/17/2025	21:38	PD091239.D	8.06	2.87
DUPE-0.0-0.5-20251114MSD	Q3649-03MSD	11/17/2025	21:52	PD091240.D	8.06	2.87
B4-0.0-0.5-20251114	Q3649-06	11/17/2025	22:05	PD091241.D	8.06	2.87
B3-0.0-0.5-20251114	Q3649-08	11/17/2025	22:19	PD091242.D	8.06	2.87
I.BLK	I.BLK	11/17/2025	22:33	PD091243.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/17/2025	23:00	PD091244.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUPE-0.0-0.5-20251114

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: Q3649-03 **Date(s) Analyzed:** 11/17/2025 11/17/2025

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
4,4'-DDT	1	7.01	6.96	7.06	1.50	53.7
	2	6.18	6.13	6.23	2.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUPE-0.0-0.5-20251114MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: Q3649-03MS **Date(s) Analyzed:** 11/17/2025 11/17/2025

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	16.9	6.1
	2	6.07	6.02	6.12	15.9	
4,4'-DDD	1	6.70	6.65	6.75	15.8	22.5
	2	5.92	5.87	5.97	12.6	
4,4'-DDT	1	7.01	6.96	7.06	21.4	7.8
	2	6.17	6.12	6.22	19.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.7	10.1
	2	6.25	6.20	6.30	15.1	
Endosulfan sulfate	1	7.14	7.09	7.19	15.9	7.2
	2	6.47	6.42	6.52	14.8	
Methoxychlor	1	7.49	7.44	7.54	18.9	20.4
	2	6.74	6.69	6.79	15.4	
Endrin ketone	1	7.62	7.57	7.67	15.5	27.9
	2	6.98	6.93	7.03	11.7	
alpha-BHC	1	3.99	3.94	4.04	17.5	0
	2	3.38	3.33	3.43	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	17.5	2.9
	2	3.72	3.67	3.77	17.0	
Heptachlor	1	4.92	4.87	4.97	18.2	4.5
	2	4.07	4.02	4.12	17.4	
Aldrin	1	5.26	5.21	5.31	16.7	0
	2	4.36	4.31	4.41	16.7	
beta-BHC	1	4.51	4.46	4.56	16.4	10.4
	2	4.02	3.97	4.07	18.2	
delta-BHC	1	4.76	4.71	4.81	16.7	0.6
	2	4.25	4.20	4.30	16.6	
Heptachlor epoxide	1	5.68	5.63	5.73	16.1	1.8
	2	4.86	4.81	4.91	16.4	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUPE-0.0-0.5-20251114MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: Q3649-03MS **Date(s) Analyzed:** 11/17/2025 11/17/2025

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 I	1	6.07	6.02	6.12	16.9	15.3
	2	5.23	5.18	5.28	14.5	
gamma-Chlordane	1	5.94	5.89	5.99	16.2	2.4
	2	5.11	5.06	5.16	16.6	
alpha-Chlordane	1	6.02	5.97	6.07	16.2	4.8
	2	5.18	5.13	5.23	17.0	
4,4'-DDE	1	6.19	6.14	6.24	15.8	1.3
	2	5.36	5.31	5.41	16.0	
Dieldrin	1	6.34	6.29	6.39	24.0	3.8
	2	5.50	5.45	5.55	23.1	
Endrin	1	6.57	6.52	6.62	18.7	7.8
	2	5.78	5.73	5.83	17.3	

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUPE-0.0-0.5-20251114MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: Q3649-03MSD **Date(s) Analyzed:** 11/17/2025 11/17/2025

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	16.3	6.3
	2	6.07	6.02	6.12	15.3	
4,4'-DDD	1	6.70	6.65	6.75	15.3	22.5
	2	5.92	5.87	5.97	12.2	
4,4'-DDT	1	7.01	6.96	7.06	20.0	10
	2	6.17	6.12	6.22	18.1	
Endrin aldehyde	1	6.91	6.86	6.96	15.8	10
	2	6.25	6.20	6.30	14.3	
Endosulfan sulfate	1	7.14	7.09	7.19	15.2	8.2
	2	6.47	6.42	6.52	14.0	
Methoxychlor	1	7.49	7.44	7.54	17.2	19.8
	2	6.74	6.69	6.79	14.1	
Endrin ketone	1	7.62	7.57	7.67	14.8	30.4
	2	6.98	6.93	7.03	10.9	
alpha-BHC	1	3.99	3.94	4.04	16.9	1.8
	2	3.38	3.33	3.43	17.2	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	16.9	1.8
	2	3.72	3.67	3.77	16.6	
Heptachlor	1	4.92	4.87	4.97	16.9	3.6
	2	4.07	4.02	4.12	16.3	
Aldrin	1	5.26	5.21	5.31	16.2	0.6
	2	4.36	4.31	4.41	16.3	
beta-BHC	1	4.51	4.46	4.56	16.5	7.6
	2	4.02	3.97	4.07	17.8	
delta-BHC	1	4.76	4.71	4.81	16.4	1.2
	2	4.25	4.20	4.30	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.7	1.9
	2	4.86	4.81	4.91	16.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUPE-0.0-0.5-20251114MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: Q3649-03MSD **Date(s) Analyzed:** 11/17/2025 11/17/2025

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 I	1	6.06	6.01	6.11	16.2	13.9
	2	5.24	5.19	5.29	14.1	
gamma-Chlordane	1	5.94	5.89	5.99	15.7	9.7
	2	5.11	5.06	5.16	17.3	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	6.9
	2	5.18	5.13	5.23	16.5	
4,4'-DDE	1	6.19	6.14	6.24	15.2	1.3
	2	5.36	5.31	5.41	15.4	
Dieldrin	1	6.34	6.29	6.39	23.1	2.6
	2	5.50	5.45	5.55	22.5	
Endrin	1	6.56	6.51	6.61	18.0	8.1
	2	5.78	5.73	5.83	16.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170575BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: PB170575BS **Date(s) Analyzed:** 11/17/2025 11/17/2025

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 I	1	6.07	6.02	6.12	16.0	6.6
	2	5.24	5.19	5.29	17.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.3	12.3
	2	5.18	5.13	5.23	17.3	
4,4'-DDE	1	6.19	6.14	6.24	16.3	4.8
	2	5.36	5.31	5.41	17.1	
Dieldrin	1	6.34	6.29	6.39	16.3	4.8
	2	5.50	5.45	5.55	17.1	
Endrin	1	6.57	6.52	6.62	15.0	3.9
	2	5.78	5.73	5.83	15.6	
Methoxychlor	1	7.49	7.44	7.54	15.6	6.2
	2	6.74	6.69	6.79	16.6	
Endrin ketone	1	7.63	7.58	7.68	16.5	7
	2	6.98	6.93	7.03	17.7	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	16.3	4.8
	2	3.72	3.67	3.77	17.1	
Heptachlor	1	4.92	4.87	4.97	16.3	3.6
	2	4.07	4.02	4.12	16.9	
Heptachlor epoxide	1	5.68	5.63	5.73	16.0	6.1
	2	4.86	4.81	4.91	17.0	
gamma-Chlordane	1	5.94	5.89	5.99	16.3	6
	2	5.12	5.07	5.17	17.3	
Endosulfan II	1	6.78	6.73	6.83	16.1	5.4
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.70	6.65	6.75	16.0	4.3
	2	5.92	5.87	5.97	16.7	
4,4'-DDT	1	7.02	6.97	7.07	16.5	7.6
	2	6.17	6.12	6.22	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170575BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Lab Sample ID: PB170575BS **Date(s) Analyzed:** 11/17/2025 11/17/2025

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
Endrin aldehyde	1	6.91	6.86	6.96	16.5	6.5
	2	6.25	6.20	6.30	17.6	
Endosulfan sulfate	1	7.14	7.09	7.19	15.9	6.7
	2	6.47	6.42	6.52	17.0	
alpha-BHC	1	3.99	3.94	4.04	16.3	4.8
	2	3.39	3.34	3.44	17.1	
Aldrin	1	5.26	5.21	5.31	16.2	6
	2	4.36	4.31	4.41	17.2	
beta-BHC	1	4.51	4.46	4.56	15.6	8
	2	4.02	3.97	4.07	16.9	
delta-BHC	1	4.76	4.71	4.81	16.5	3.6
	2	4.25	4.20	4.30	17.1	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:11
Operator : AR\AJ
Sample : Q3649-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B5-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:11:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.870	57760958	654.1E6	16.749m	17.857m
28)	SA Decachlor...	9.062	8.056	83360352	609.2E6	16.733	15.394m
	Target Compounds						

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

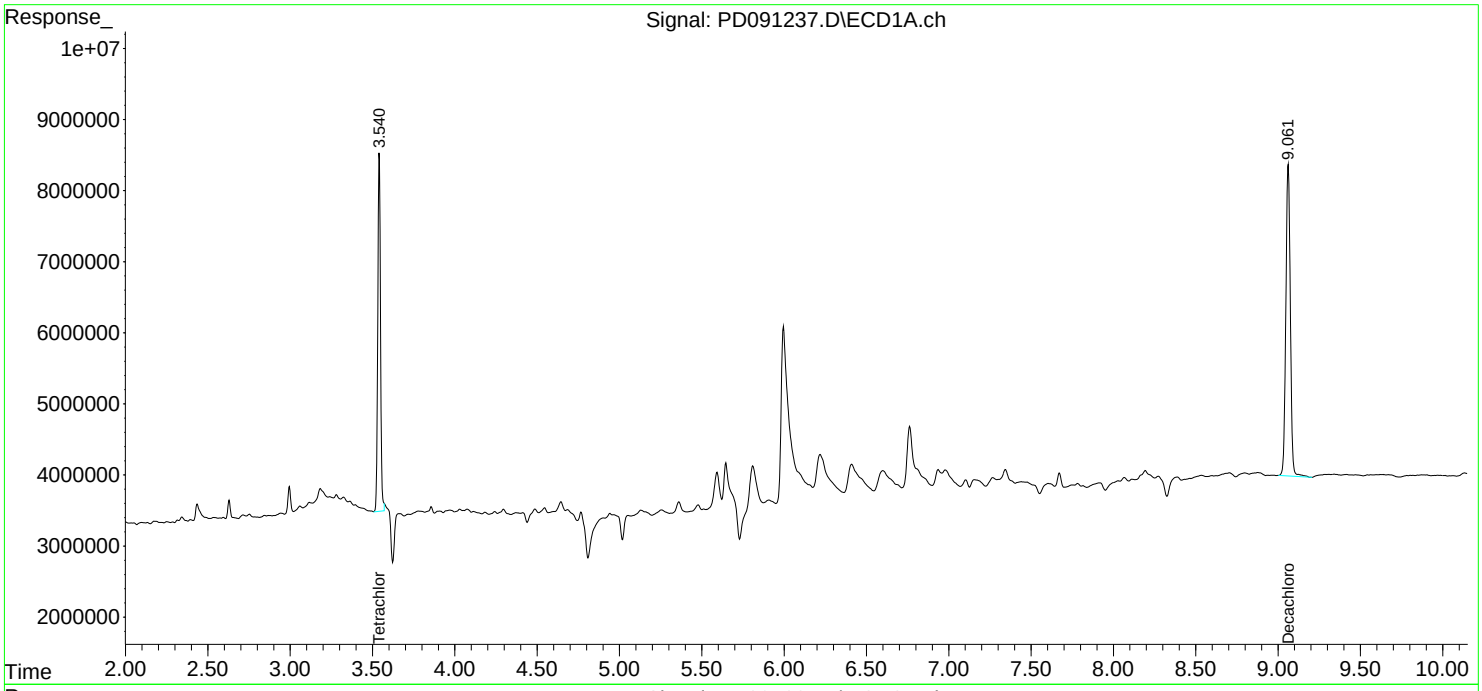
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:11
Operator : AR\AJ
Sample : Q3649-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

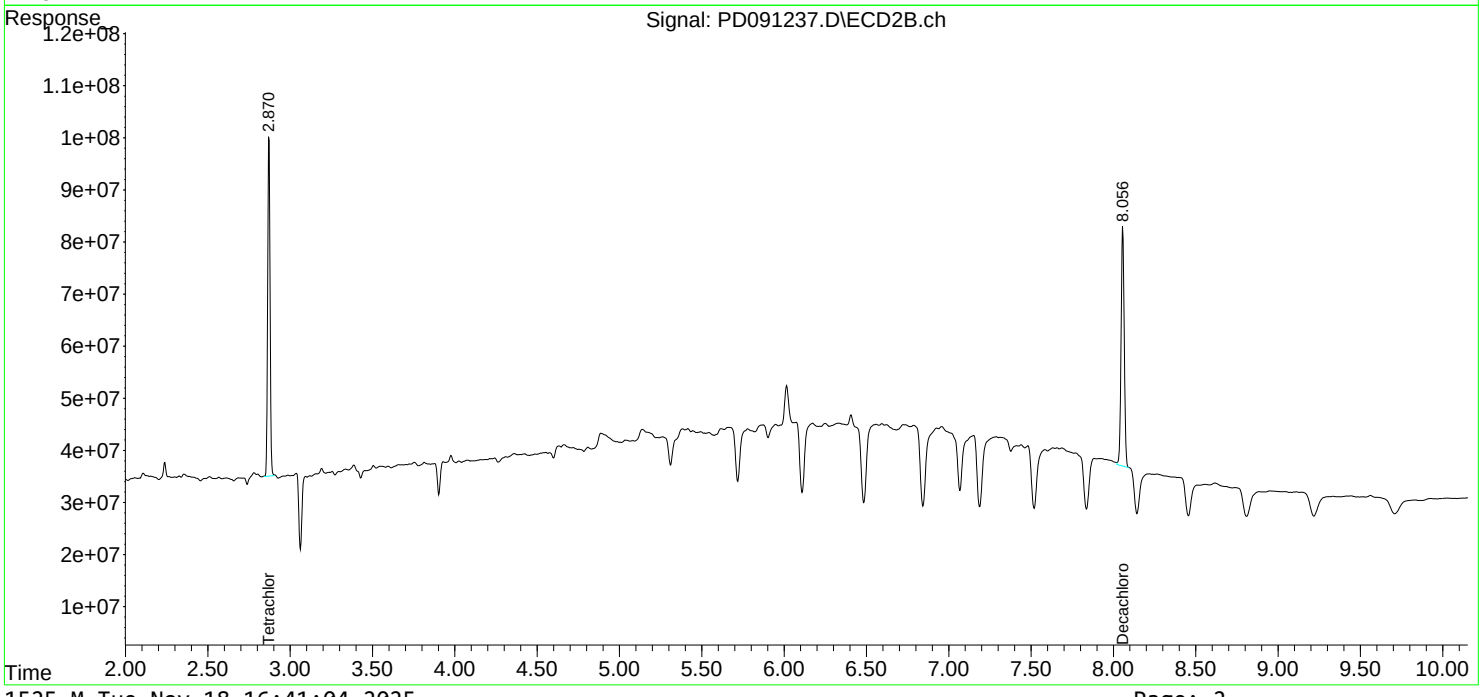
Instrument :
ECD_D
ClientSampleId :
B5-0.0-0.5-20251114

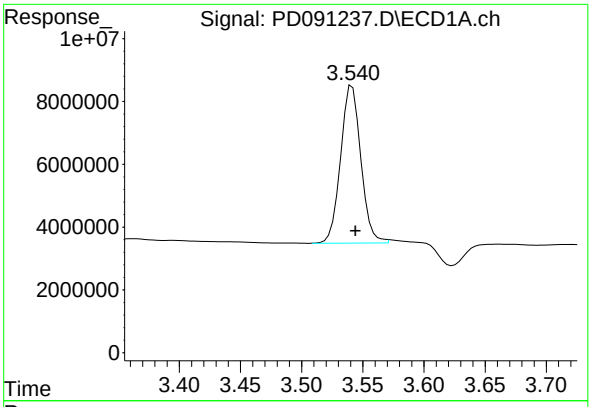
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:11:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







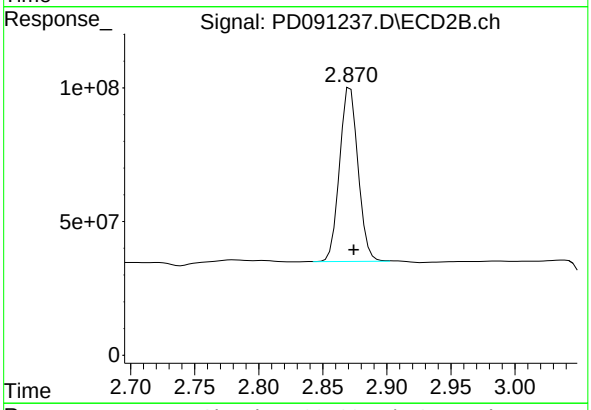
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 57760958
Conc: 16.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
B5-0.0-0.5-20251114

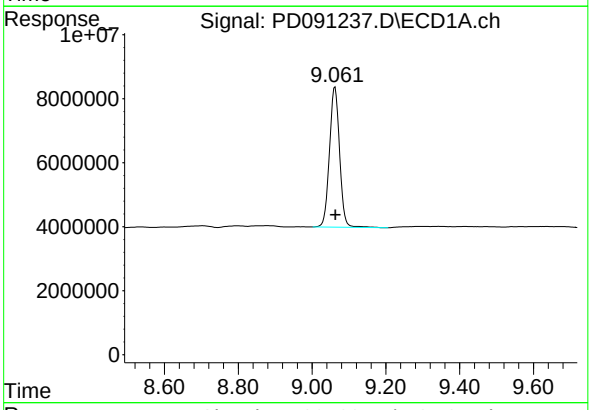
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025



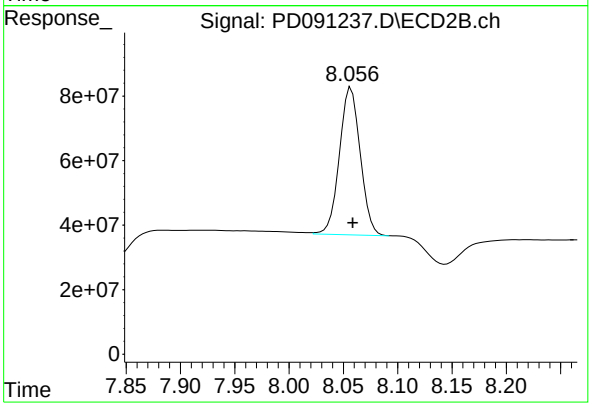
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: -0.004 min
Response: 654107954
Conc: 17.86 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.001 min
Response: 83360352
Conc: 16.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 609214233
Conc: 15.39 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:24
Operator : AR\AJ
Sample : Q3649-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 08:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.887	60979394	609.7E6	17.682m	16.644m
28)	SA Decachlor...	9.062	8.072	70508420	499.7E6	14.153	12.626m
	Target Compounds						
17)	MA 4,4'-DDT	7.013	6.184	16270083	265.4E6	3.934	6.782 #

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

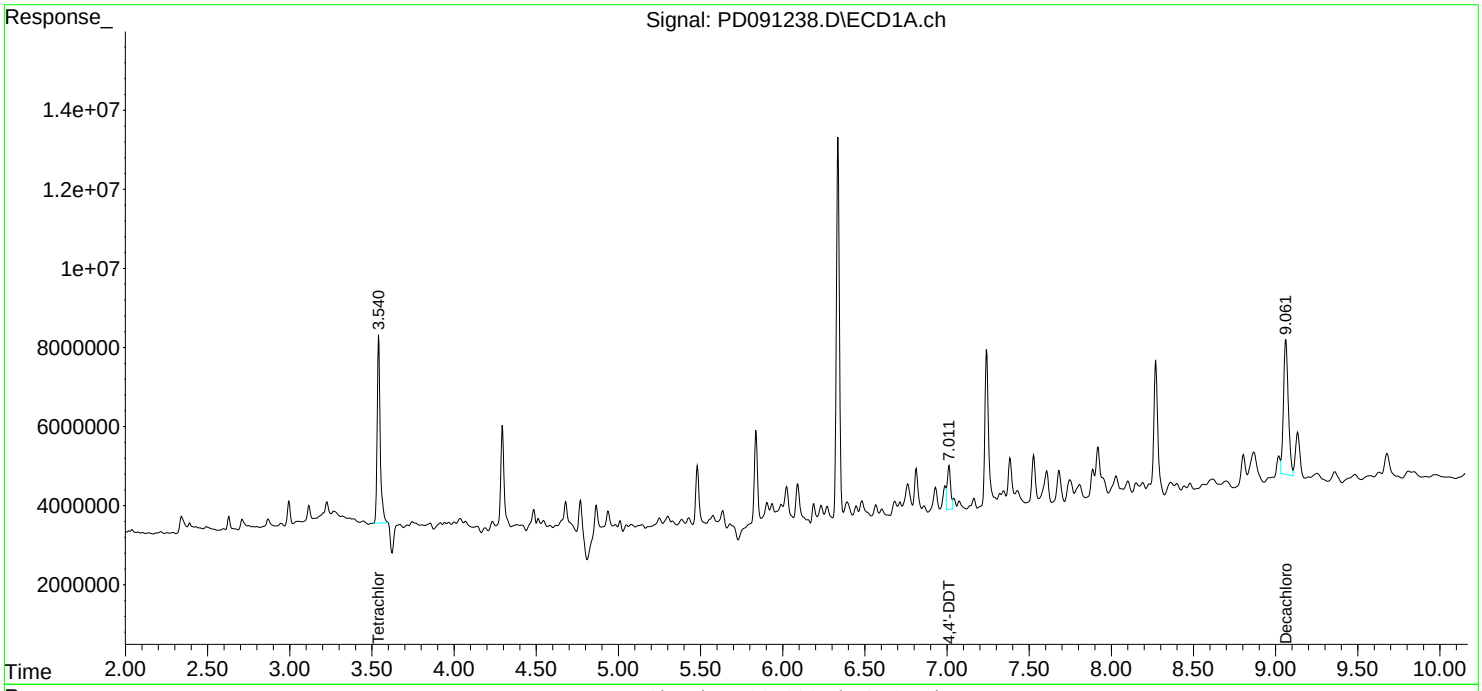
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:24
Operator : AR\AJ
Sample : Q3649-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

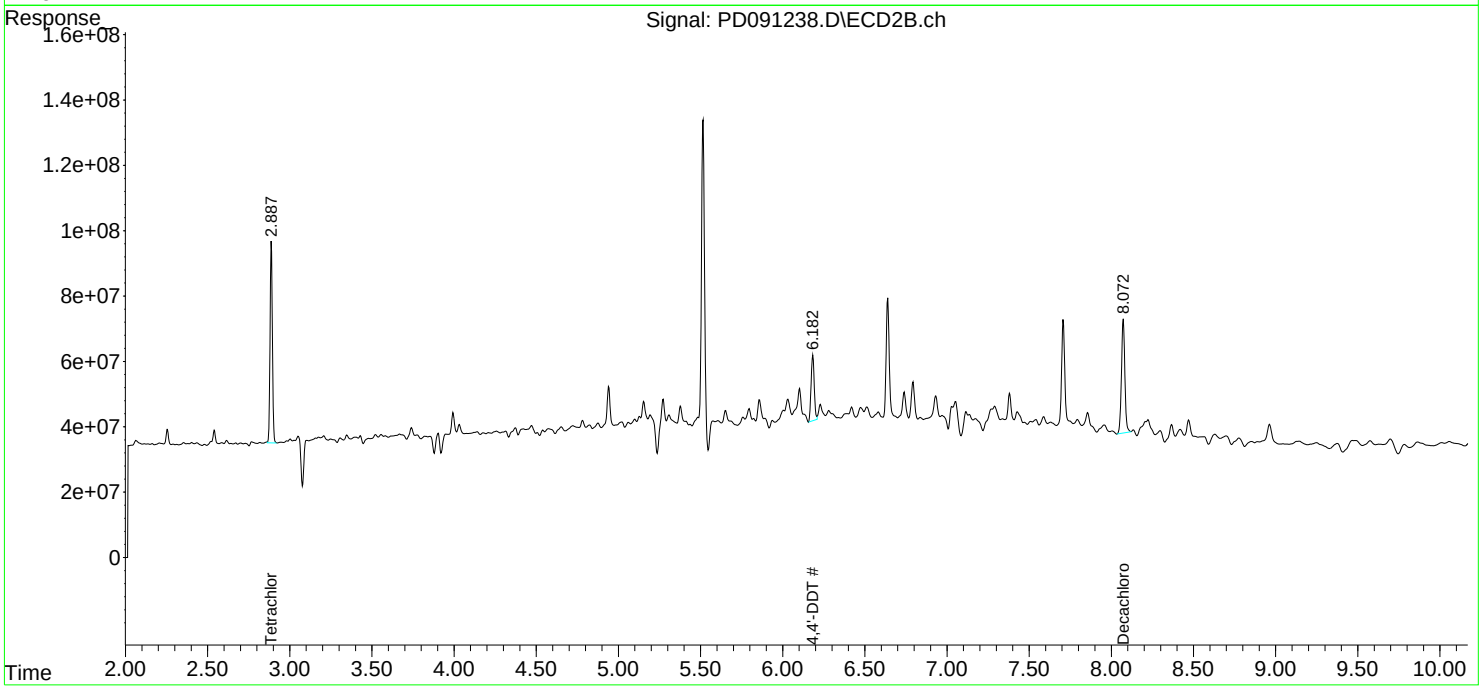
Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114

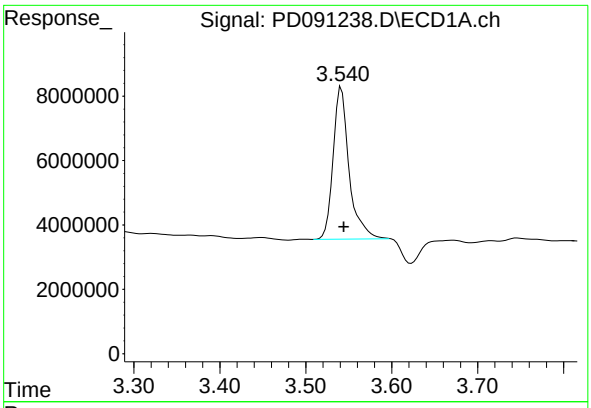
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 08:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







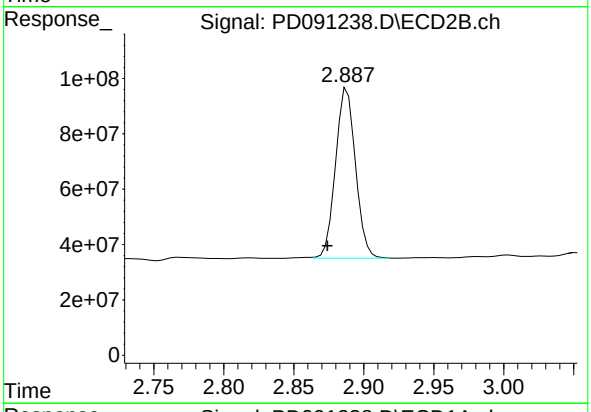
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 60979394
Conc: 17.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114

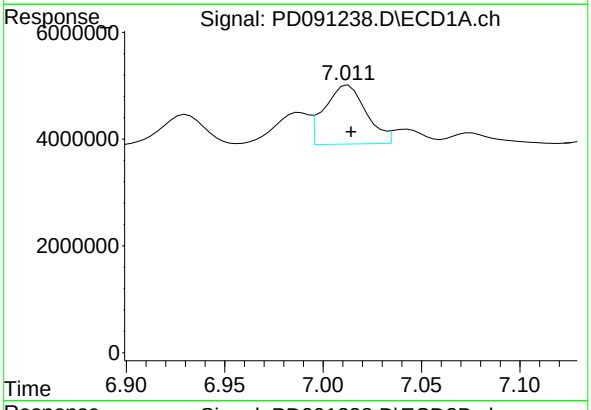
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025



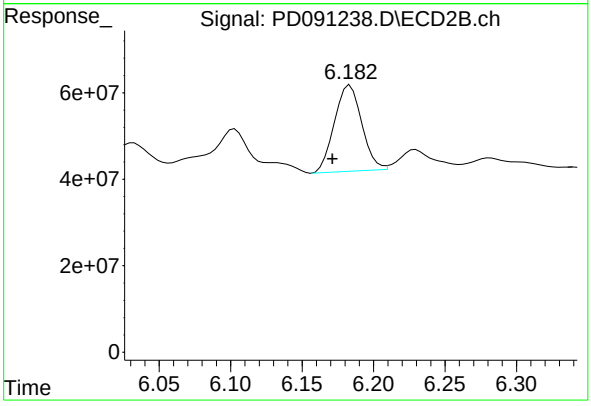
#1 Tetrachloro-m-xylene

R.T.: 2.887 min
Delta R.T.: 0.013 min
Response: 609669024
Conc: 16.64 ng/ml m



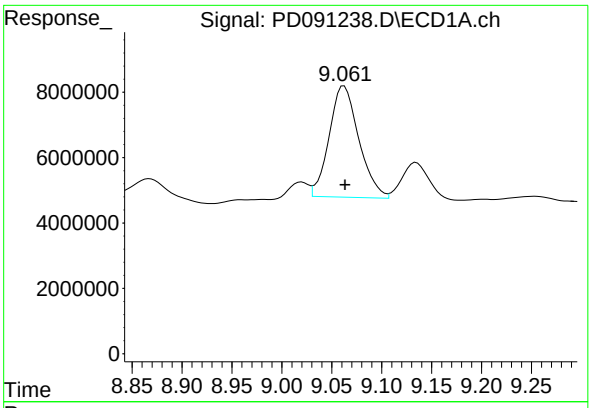
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.001 min
Response: 16270083
Conc: 3.93 ng/ml



#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.012 min
Response: 265395983
Conc: 6.78 ng/ml



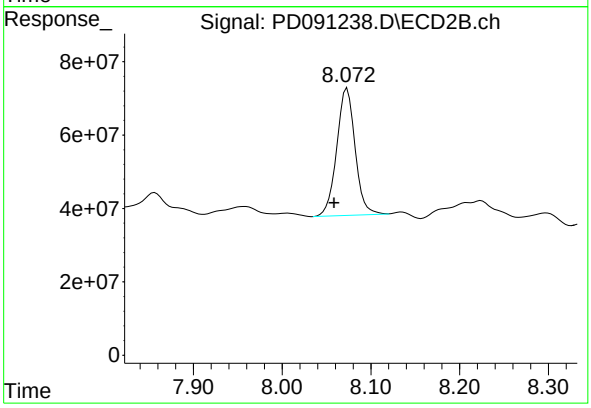
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.000 min
Response: 70508420
Conc: 14.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.013 min
Response: 499670582
Conc: 12.63 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 22:05
Operator : AR\AJ
Sample : Q3649-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B4-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.872	58897174	663.1E6	17.078m	18.103
28)	SA Decachlor...	9.060	8.057	67181137	456.8E6	13.485m	11.542
	Target Compounds						

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

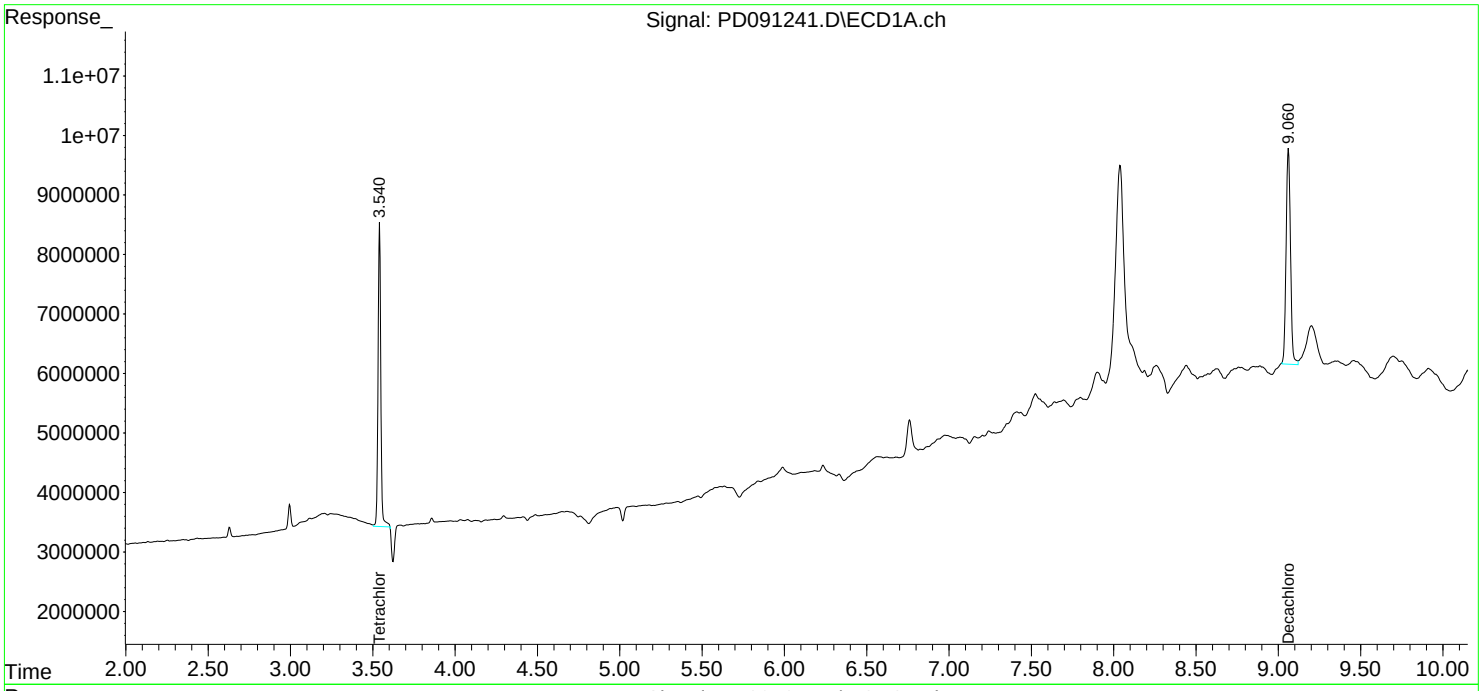
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 22:05
Operator : AR\AJ
Sample : Q3649-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

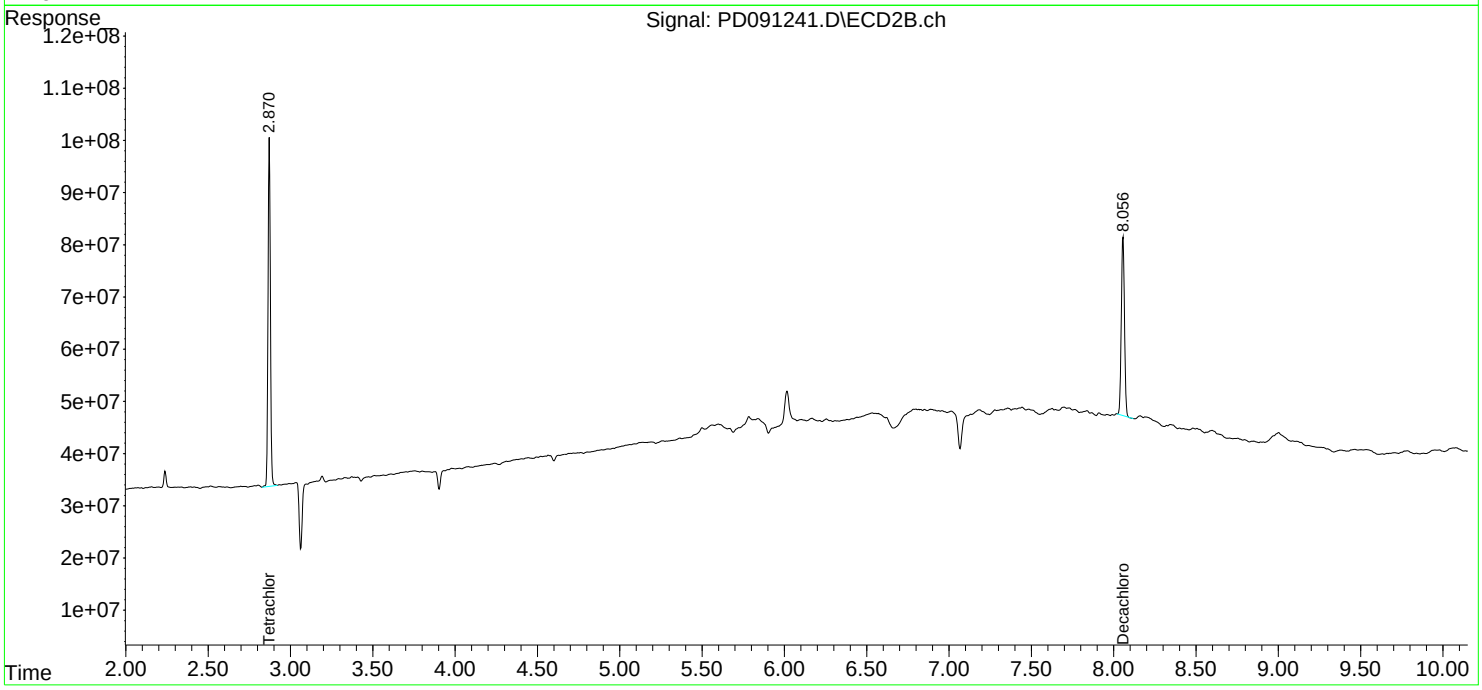
Instrument :
ECD_D
ClientSampleId :
B4-0.0-0.5-20251114

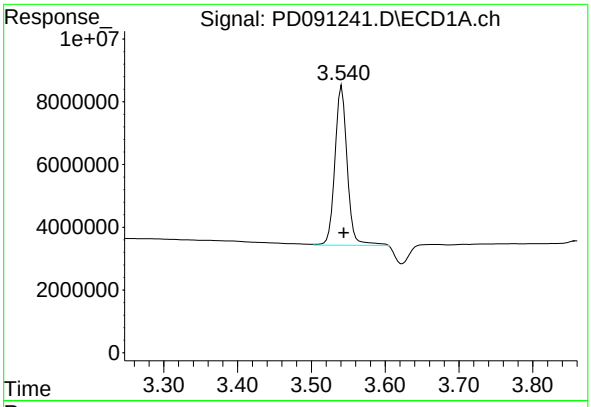
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







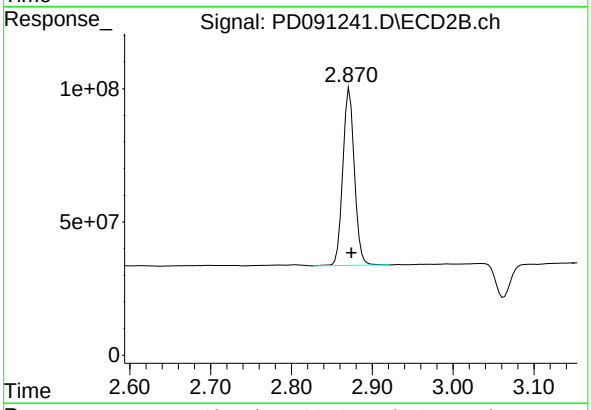
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 58897174
Conc: 17.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
B4-0.0-0.5-20251114

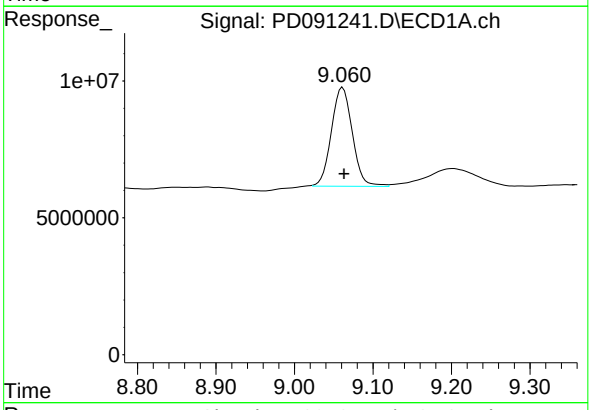
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025



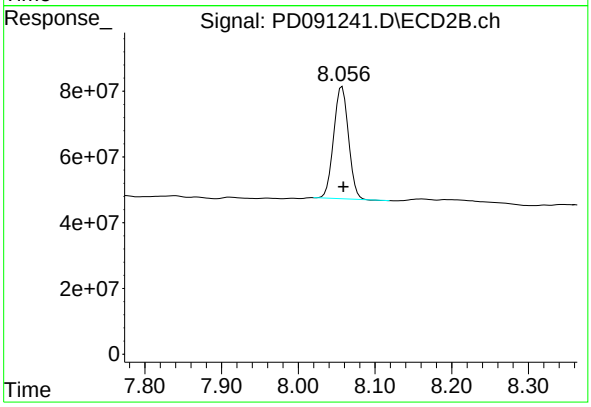
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 663113366
Conc: 18.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: -0.003 min
Response: 67181137
Conc: 13.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.002 min
Response: 456777909
Conc: 11.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 22:19
Operator : AR\AJ
Sample : Q3649-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B3-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.872	65977326	704.6E6	19.131m	19.237
28)	SA Decachlor...	9.061	8.057	81091323	582.3E6	16.277	14.713
	Target Compounds						

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

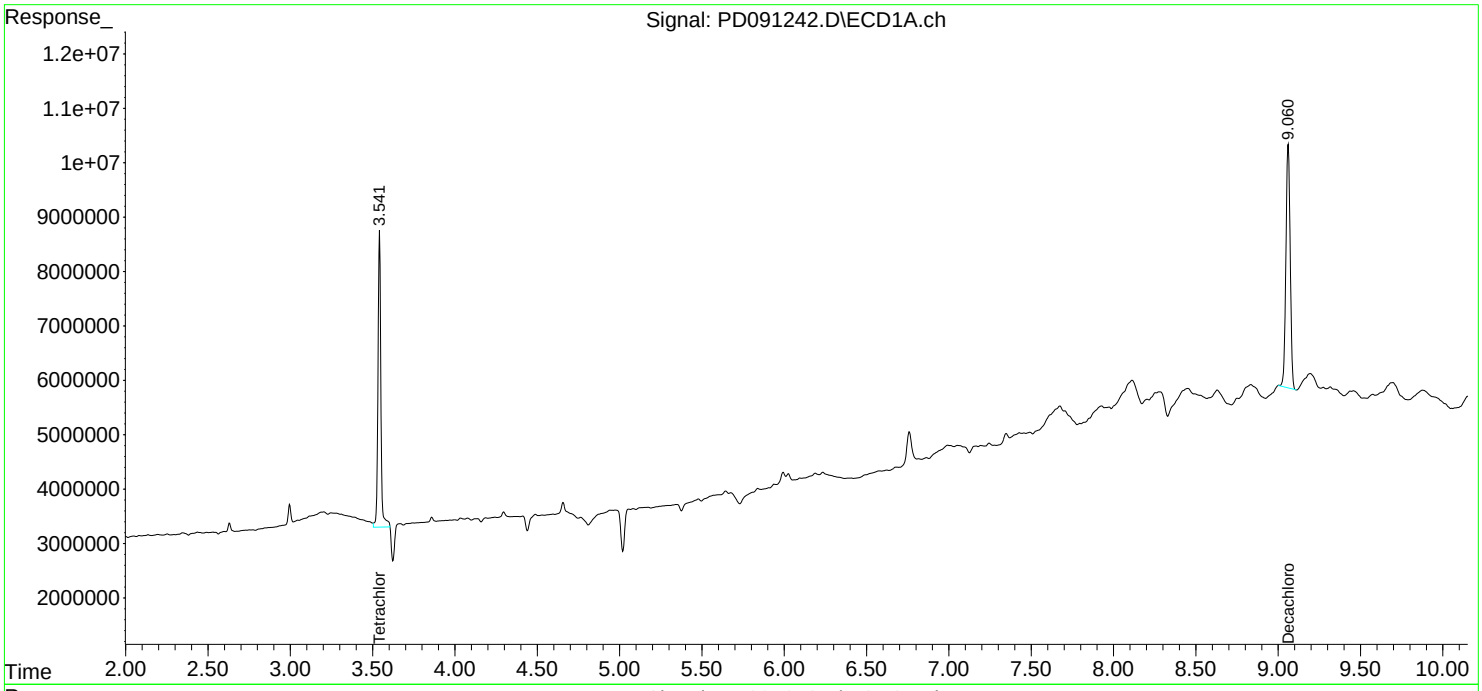
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 22:19
Operator : AR\AJ
Sample : Q3649-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

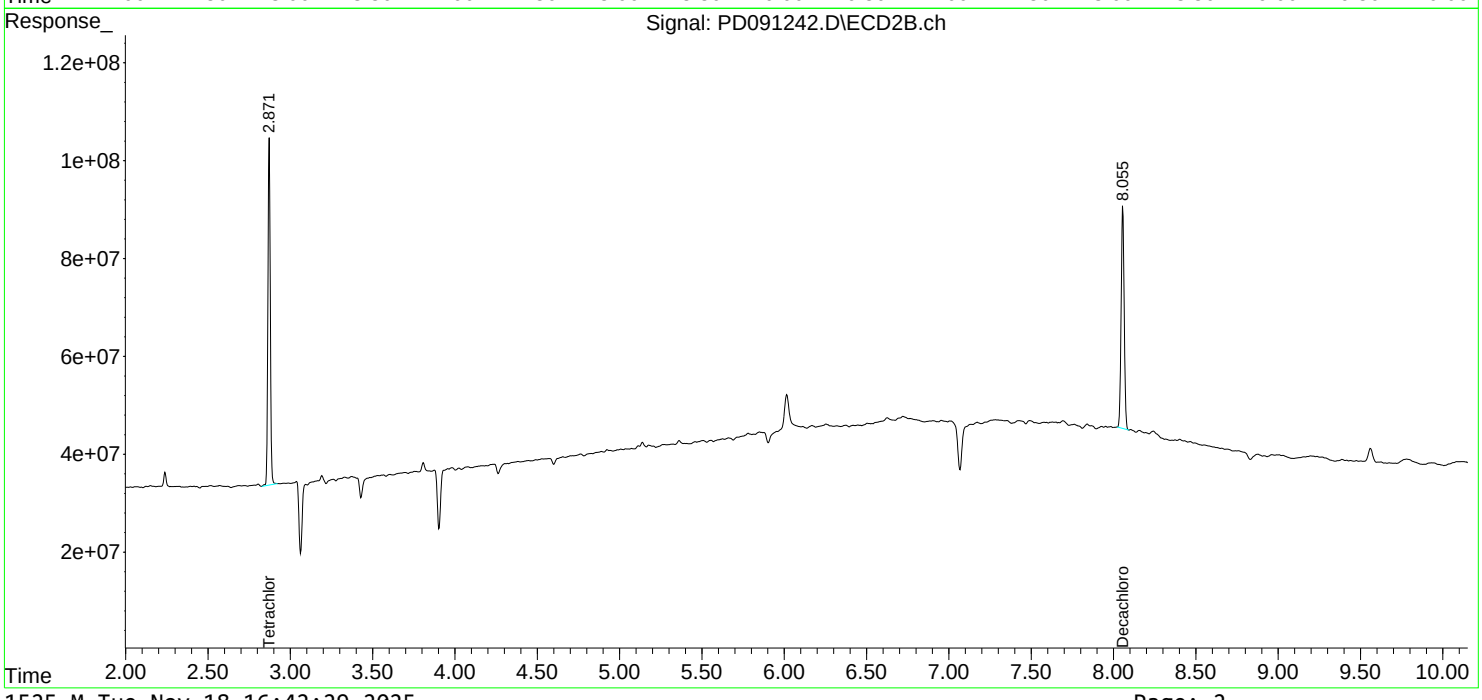
Instrument :
ECD_D
ClientSampleId :
B3-0.0-0.5-20251114

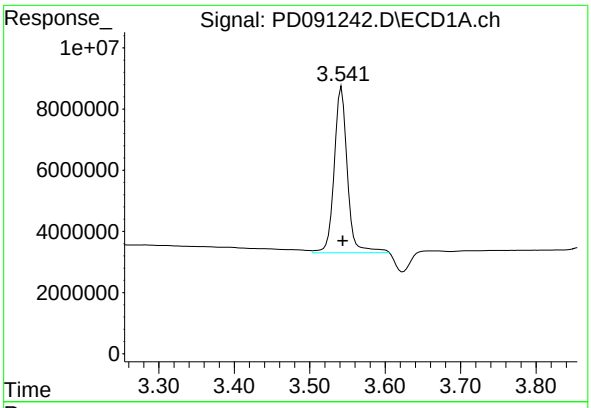
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







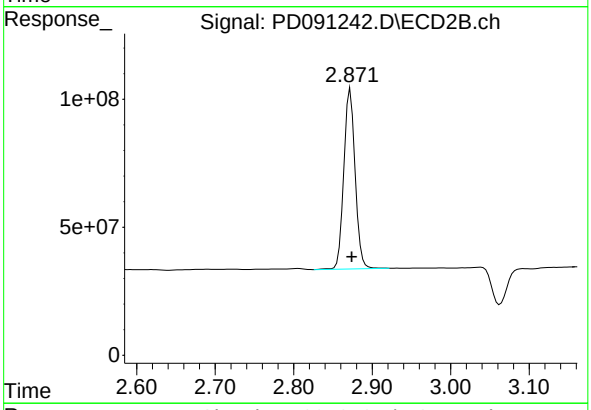
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: -0.003 min
Response: 65977326
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
B3-0.0-0.5-20251114

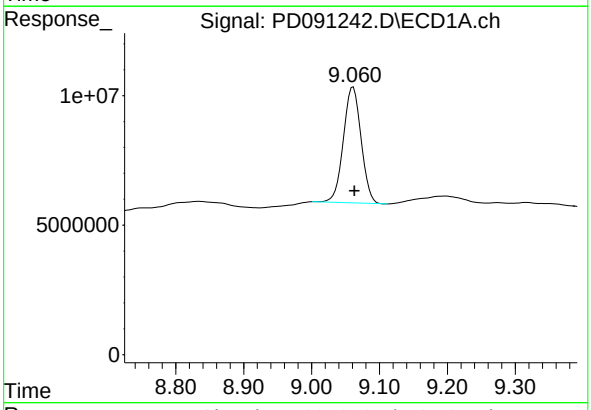
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025



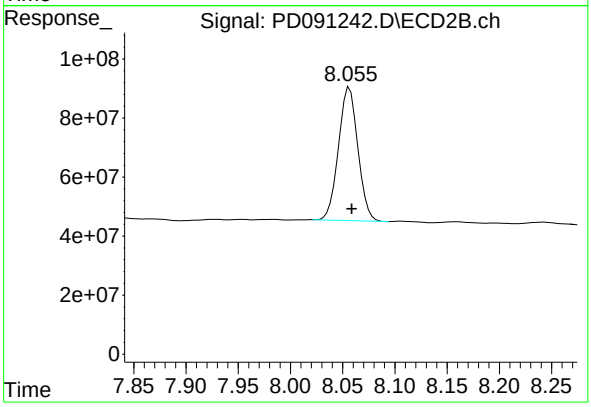
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 704645244
Conc: 19.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.002 min
Response: 81091323
Conc: 16.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.002 min
Response: 582269683
Conc: 14.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 13:46
Operator : AR\AJ
Sample : PB170575BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170575BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:08:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.874	62697450	721.2E6	18.180	19.690
28)	SA Decachlor...	9.067	8.060	95177735	788.8E6	19.105	19.933
	Target Compounds						

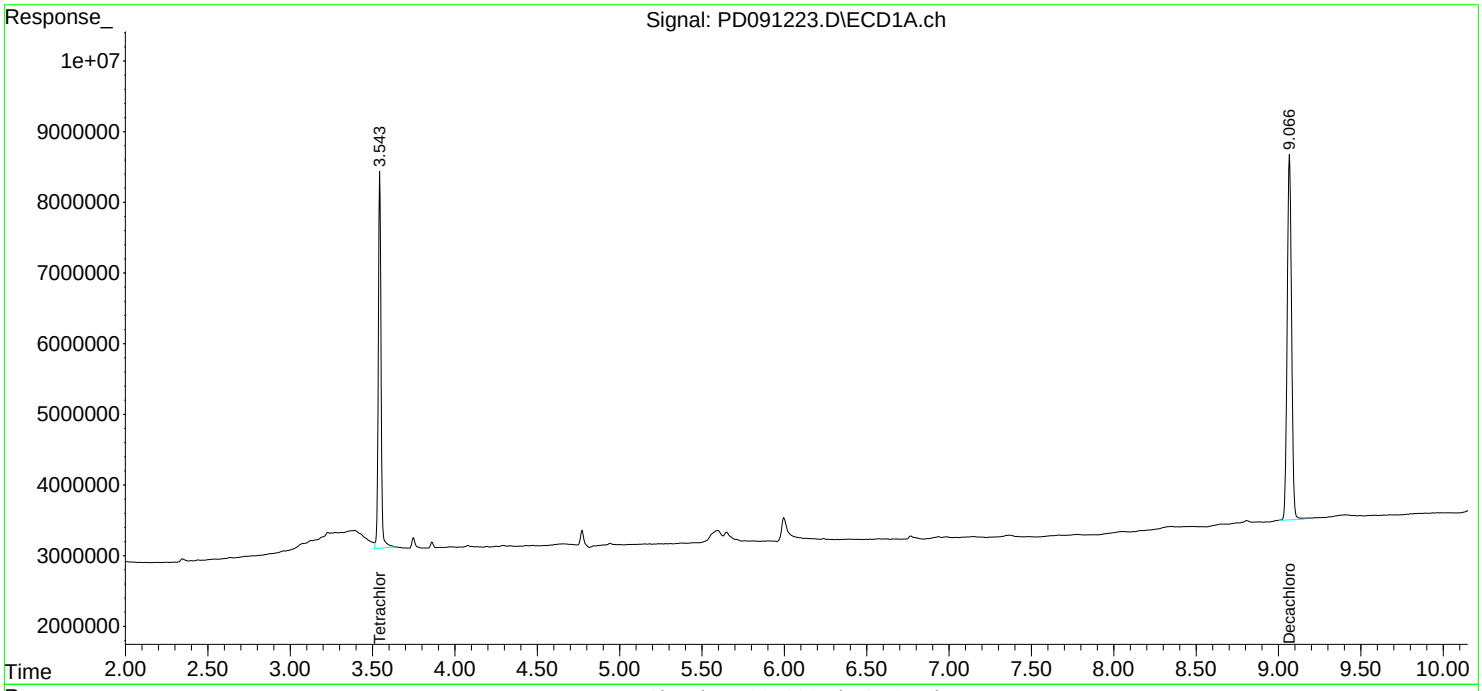
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

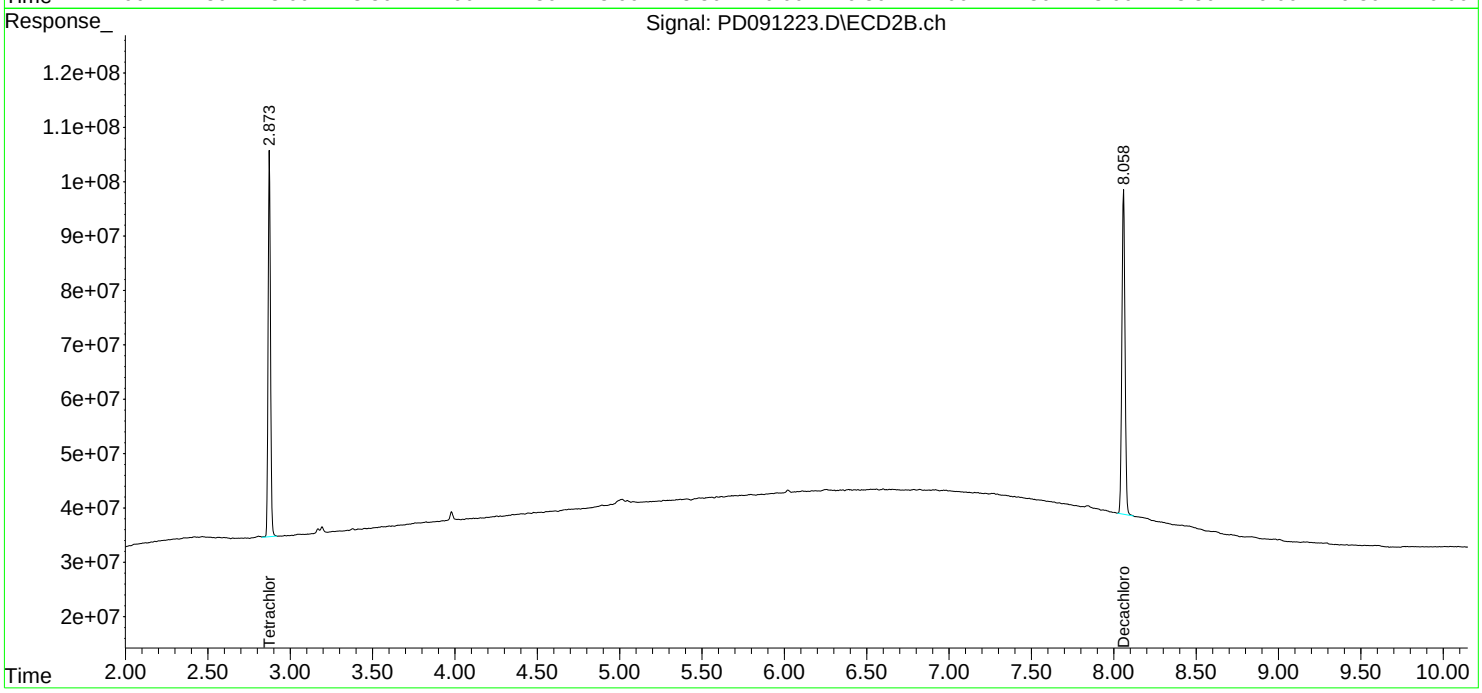
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 13:46
Operator : AR\AJ
Sample : PB170575BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

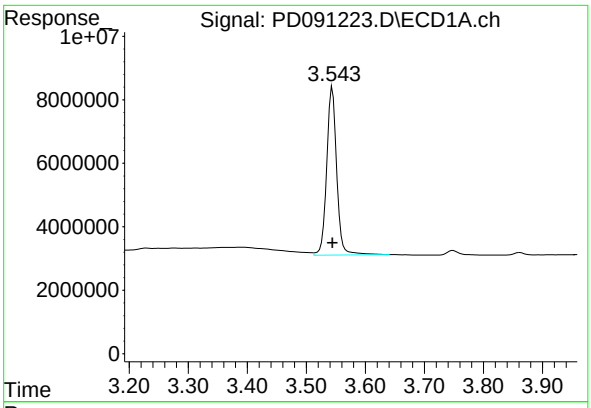
Instrument :
ECD_D
ClientSampleId :
PB170575BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:08:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



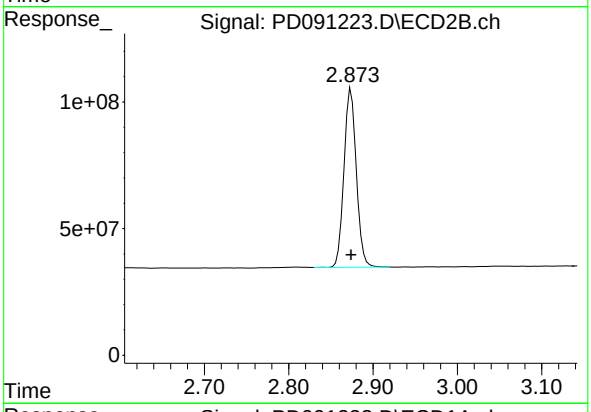




#1 Tetrachloro-m-xylene

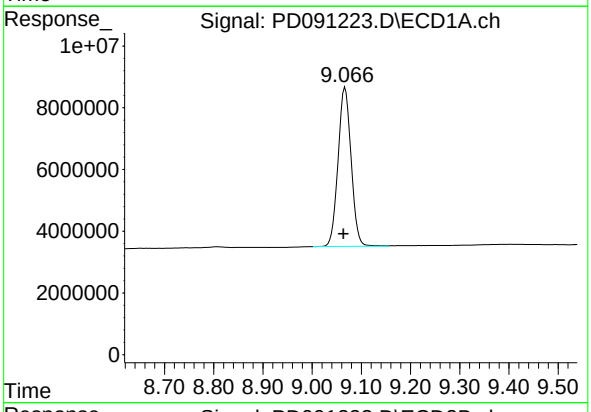
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 62697450
Conc: 18.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170575BL



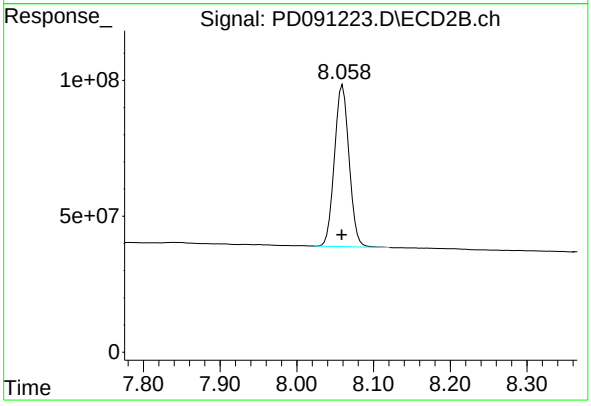
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 721236048
Conc: 19.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.004 min
Response: 95177735
Conc: 19.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: 0.001 min
Response: 788845597
Conc: 19.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 14:00
Operator : AR\AJ
Sample : PB170575BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170575BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.874	75425658	879.1E6	21.871	24.000
28)	SA Decachlor...	9.067	8.060	117.6E6	988.2E6	23.614	24.971
	Target Compounds						
2)	A alpha-BHC	3.994	3.385	390.7E6	3248.1E6	48.869	51.392
3)	MA gamma-BHC...	4.324	3.721	365.6E6	2972.1E6	48.919	51.401
4)	MA Heptachlor	4.922	4.073	350.0E6	2808.8E6	48.865	50.876
5)	MB Aldrin	5.263	4.358	352.9E6	2920.3E6	48.627	51.724
6)	B beta-BHC	4.512	4.017	136.3E6	1221.9E6	46.908	50.856
7)	B delta-BHC	4.760	4.253	367.2E6	2995.2E6	49.401	51.221
8)	B Heptachlo...	5.684	4.862	312.4E6	2607.4E6	48.085	51.167
9)	A Endosulfan I	6.068	5.236	296.0E6	2462.6E6	48.178	51.463
10)	B gamma-Chl...	5.939	5.115	317.7E6	2838.5E6	48.866	51.961
11)	B alpha-Chl...	6.020	5.179	316.9E6	2711.4E6	46.041	51.812
12)	B 4,4'-DDE	6.189	5.364	284.5E6	2744.8E6	49.059	51.360
13)	MA Dieldrin	6.340	5.502	316.0E6	2783.2E6	48.879	51.245
14)	MA Endrin	6.568	5.778	223.9E6	2121.1E6	45.101	46.935
15)	B Endosulfa...	6.781	6.070	268.3E6	2387.5E6	48.268	51.146
16)	A 4,4'-DDD	6.700	5.918	236.4E6	2450.3E6	48.133	50.141
17)	MA 4,4'-DDT	7.016	6.172	205.3E6	2088.7E6	49.644	53.375
18)	B Endrin al...	6.910	6.248	205.9E6	1865.6E6	49.420	52.865
19)	B Endosulfa...	7.144	6.472	246.0E6	2285.8E6	47.810	50.982
20)	A Methoxychlor	7.489	6.742	101.7E6	1000.8E6	46.754	49.911
21)	B Endrin ke...	7.625	6.981	279.7E6	2704.1E6	49.652	53.068
22)	Mirex	8.108	7.173	167.0E6	1669.4E6	46.962	50.373

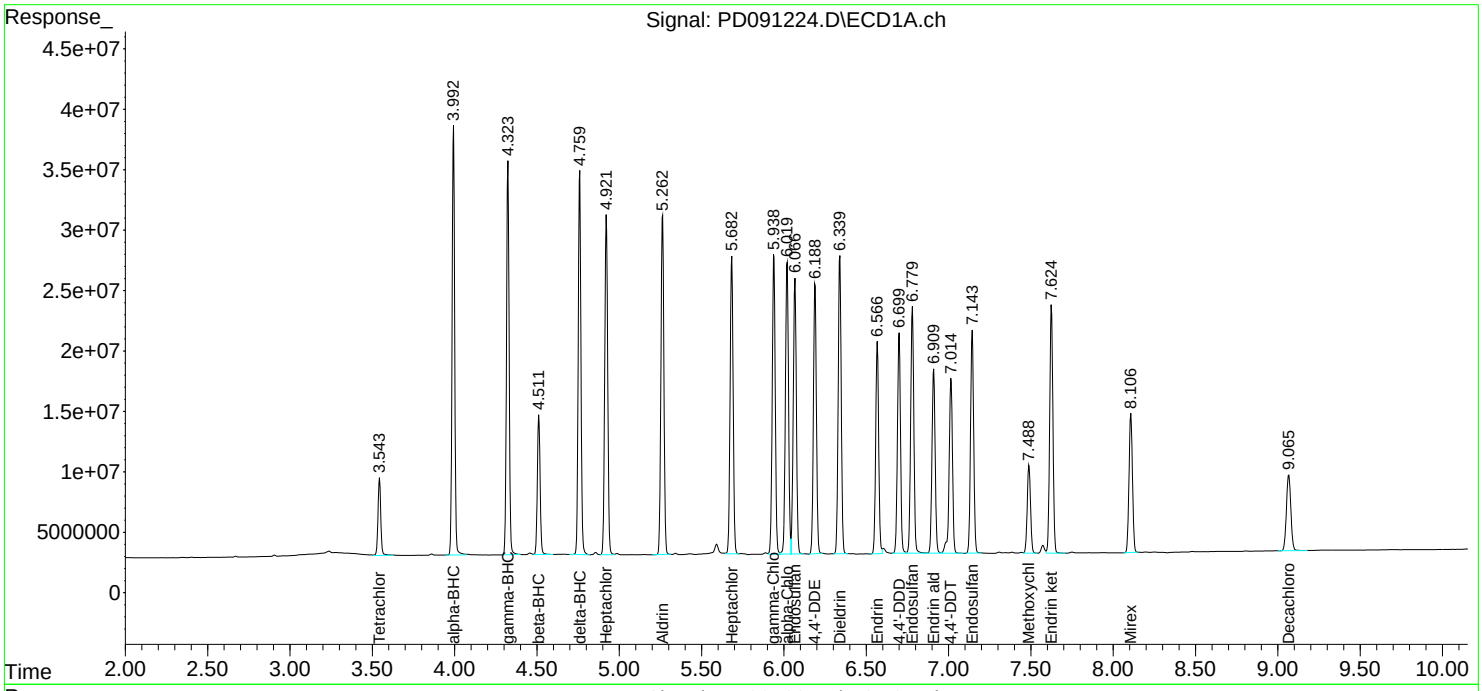
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

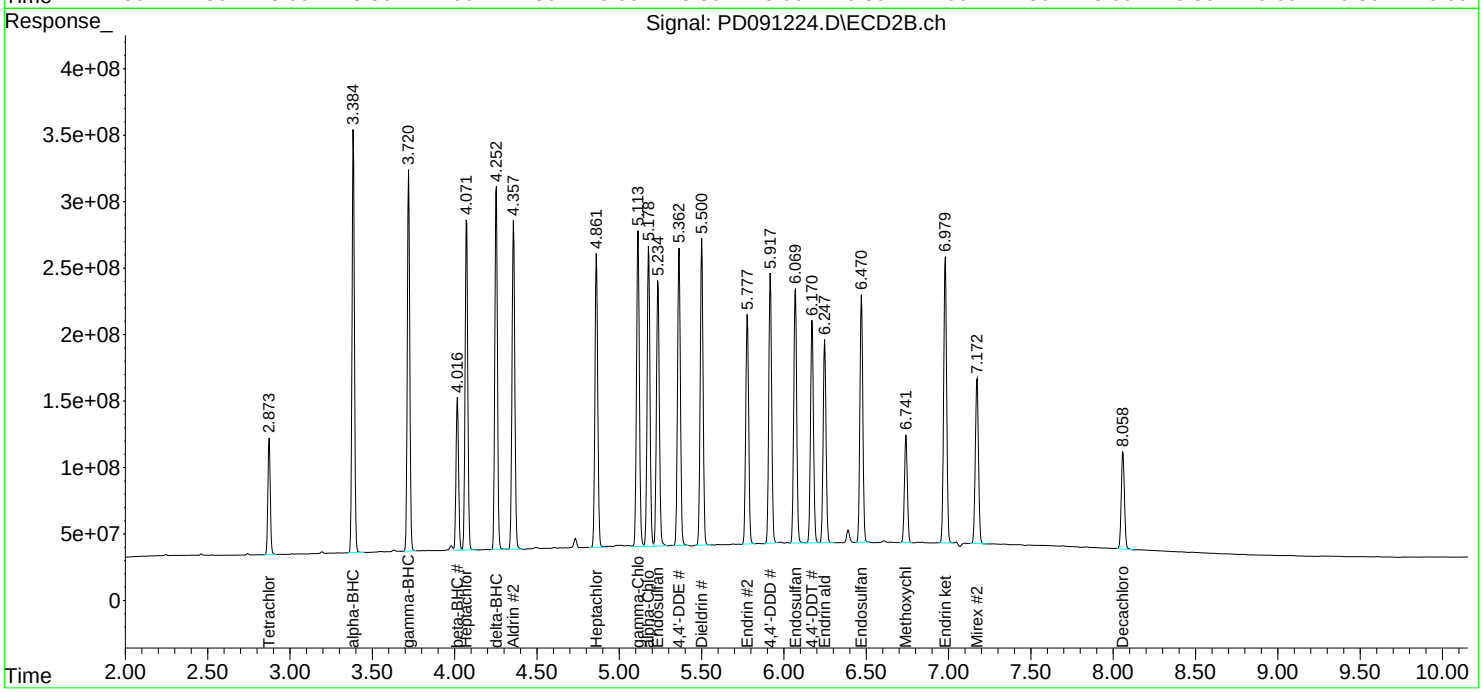
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 14:00
Operator : AR\AJ
Sample : PB170575BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170575BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:38
Operator : AR\AJ
Sample : Q3649-03MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.872	57912282	635.9E6	16.793m	17.359
28)	SA Decachlor...	9.063	8.056	71586916	478.7E6	14.369	12.097
	Target Compounds						
2)	A alpha-BHC	3.992	3.383	364.1E6	2873.2E6	45.540	45.460
3)	MA gamma-BHC...	4.321	3.719	339.0E6	2552.0E6	45.365m	44.136
4)	MA Heptachlor	4.919	4.071	337.9E6	2498.2E6	47.187	45.249
5)	MB Aldrin	5.261	4.356	314.2E6	2450.9E6	43.303	43.410
6)	B beta-BHC	4.510	4.015	123.5E6	1134.9E6	42.505	47.232
7)	B delta-BHC	4.758	4.251	323.0E6	2524.8E6	43.455	43.175
8)	B Heptachlo...	5.682	4.859	271.4E6	2174.4E6	41.768	42.671
9)	A Endosulfan I	6.065	5.234	269.4E6	1800.6E6	43.849	37.629
10)	B gamma-Chl...	5.935	5.111	273.6E6	2363.0E6	42.094m	43.256m
11)	B alpha-Chl...	6.018	5.177	289.1E6	2317.7E6	42.000	44.289
12)	B 4,4'-DDE	6.188	5.361	238.6E6	2216.9E6	41.145	41.482
13)	MA Dieldrin	6.338	5.500	403.0E6	3265.2E6	62.343	60.121
14)	MA Endrin	6.565	5.777	241.3E6	2030.5E6	48.624	44.930
15)	B Endosulfa...	6.778	6.068	243.5E6	1934.0E6	43.797	41.430
16)	A 4,4'-DDD	6.697	5.916	201.8E6	1598.2E6	41.083	32.704
17)	MA 4,4'-DDT	7.013	6.170	230.3E6	2009.2E6	55.683	51.345
18)	B Endrin al...	6.907	6.246	180.3E6	1384.2E6	43.274	39.224
19)	B Endosulfa...	7.142	6.470	212.4E6	1729.0E6	41.286	38.565
20)	A Methoxychlor	7.486	6.740	106.7E6	804.5E6	49.093	40.123
21)	B Endrin ke...	7.621	6.979	226.6E6	1551.5E6	40.229m	30.448
22)	Mirex	8.104	7.171	142.5E6	1070.3E6	40.066m	32.297

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

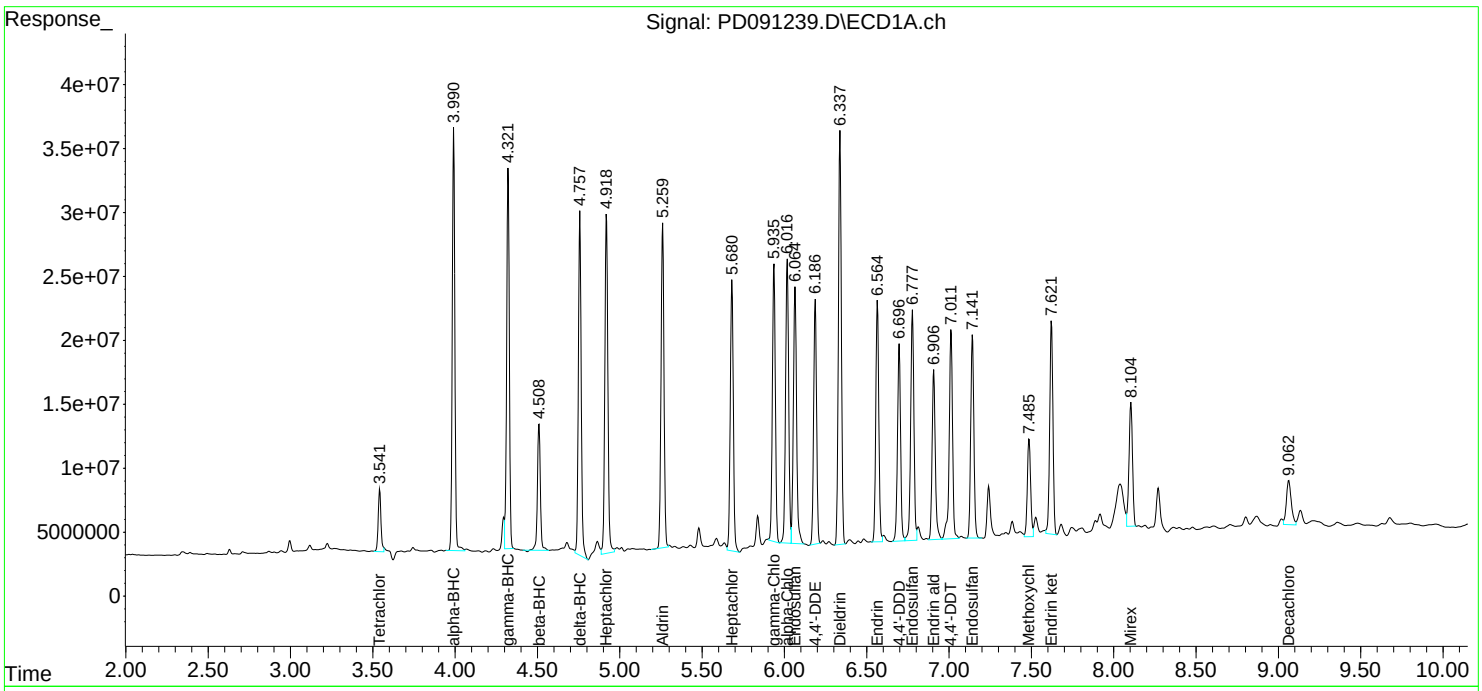
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:38
Operator : AR\AJ
Sample : Q3649-03MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

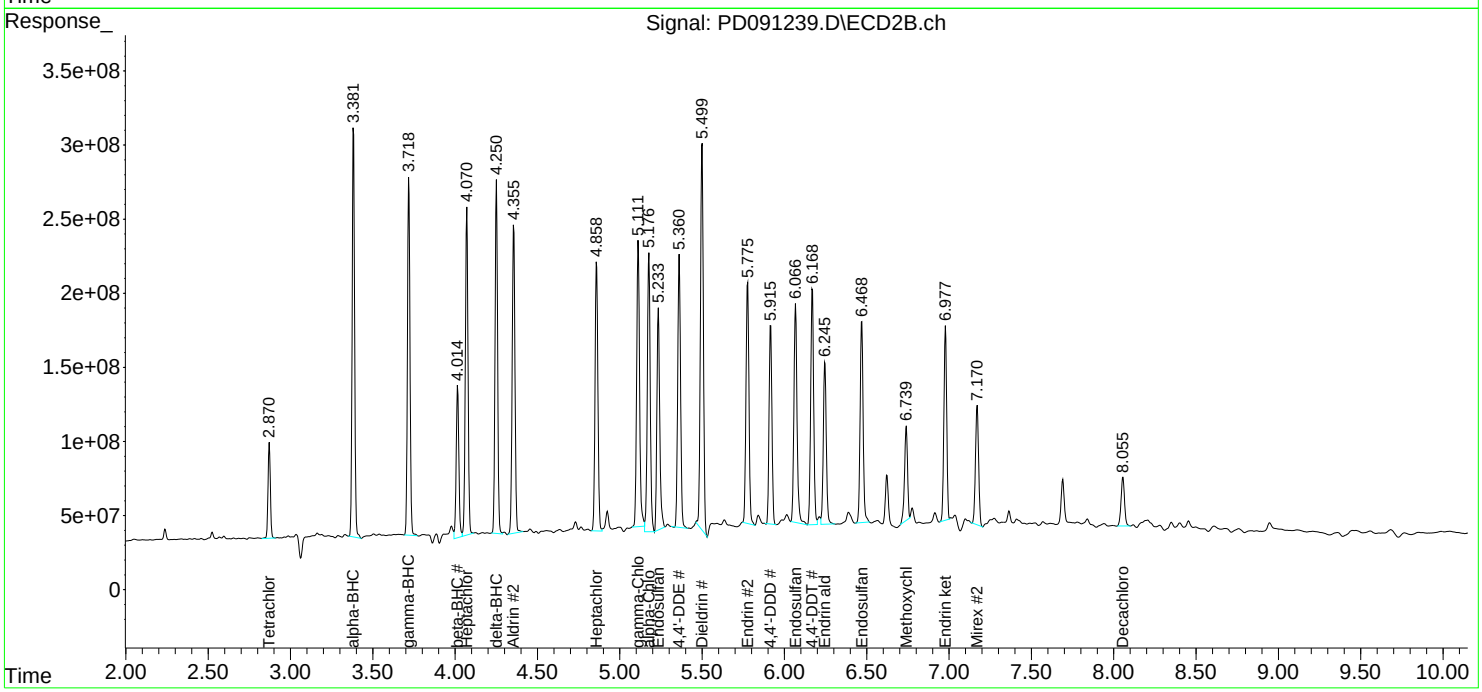
Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:52
Operator : AR\AJ
Sample : Q3649-03MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.872	56160904	628.1E6	16.285m	17.148
28)	SA Decachlor...	9.062	8.057	65039166	450.6E6	13.055	11.385
	Target Compounds						
2)	A alpha-BHC	3.991	3.383	352.1E6	2828.3E6	44.040	44.750
3)	MA gamma-BHC...	4.320	3.719	329.1E6	2492.1E6	44.037m	43.101
4)	MA Heptachlor	4.919	4.071	315.6E6	2338.1E6	44.062	42.350
5)	MB Aldrin	5.260	4.356	306.4E6	2391.1E6	42.225	42.352
6)	B beta-BHC	4.509	4.016	124.6E6	1109.7E6	42.895	46.187
7)	B delta-BHC	4.757	4.251	317.5E6	2461.7E6	42.726	42.097
8)	B Heptachlo...	5.680	4.860	265.3E6	2116.3E6	40.835	41.530
9)	A Endosulfan I	6.064	5.235	259.5E6	1751.6E6	42.248	36.604
10)	B gamma-Chl...	5.935	5.113	265.2E6	2455.4E6	40.799m	44.948
11)	B alpha-Chl...	6.017	5.177	275.6E6	2248.9E6	40.042	42.975
12)	B 4,4'-DDE	6.186	5.362	230.0E6	2145.5E6	39.655	40.146
13)	MA Dieldrin	6.337	5.499	388.8E6	3175.0E6	60.133	58.460
14)	MA Endrin	6.564	5.776	232.5E6	1951.2E6	46.847	43.176
15)	B Endosulfa...	6.777	6.067	236.0E6	1858.7E6	42.455	39.818
16)	A 4,4'-DDD	6.696	5.916	195.2E6	1555.3E6	39.735	31.826
17)	MA 4,4'-DDT	7.012	6.170	214.8E6	1847.1E6	51.952	47.202
18)	B Endrin al...	6.906	6.246	170.7E6	1309.6E6	40.971	37.109
19)	B Endosulfa...	7.141	6.469	203.5E6	1631.4E6	39.556	36.388
20)	A Methoxychlor	7.485	6.740	97413476	737.8E6	44.801	36.796
21)	B Endrin ke...	7.620	6.978	217.4E6	1442.2E6	38.595m	28.303 #
22)	Mirex	8.102	7.171	135.8E6	1007.3E6	38.181m	30.396

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

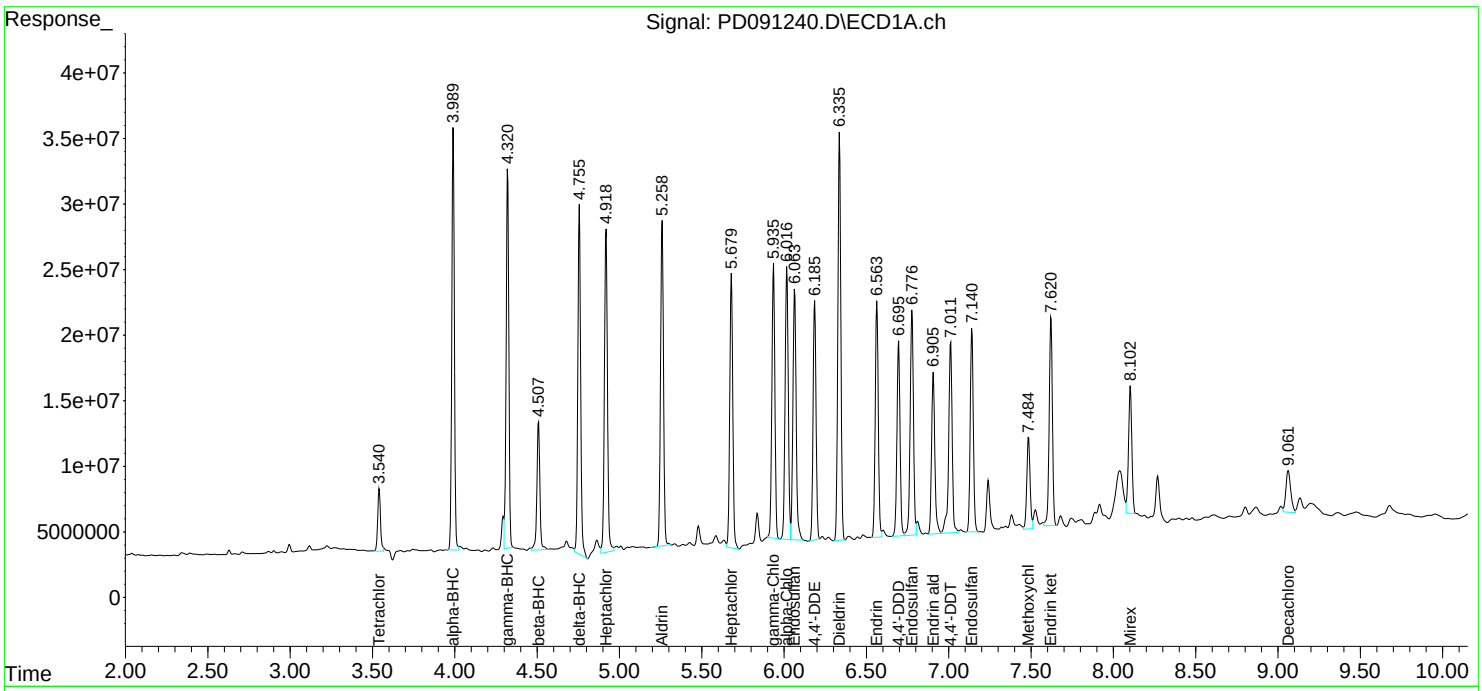
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
Data File : PD091240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 21:52
Operator : AR\AJ
Sample : Q3649-03MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

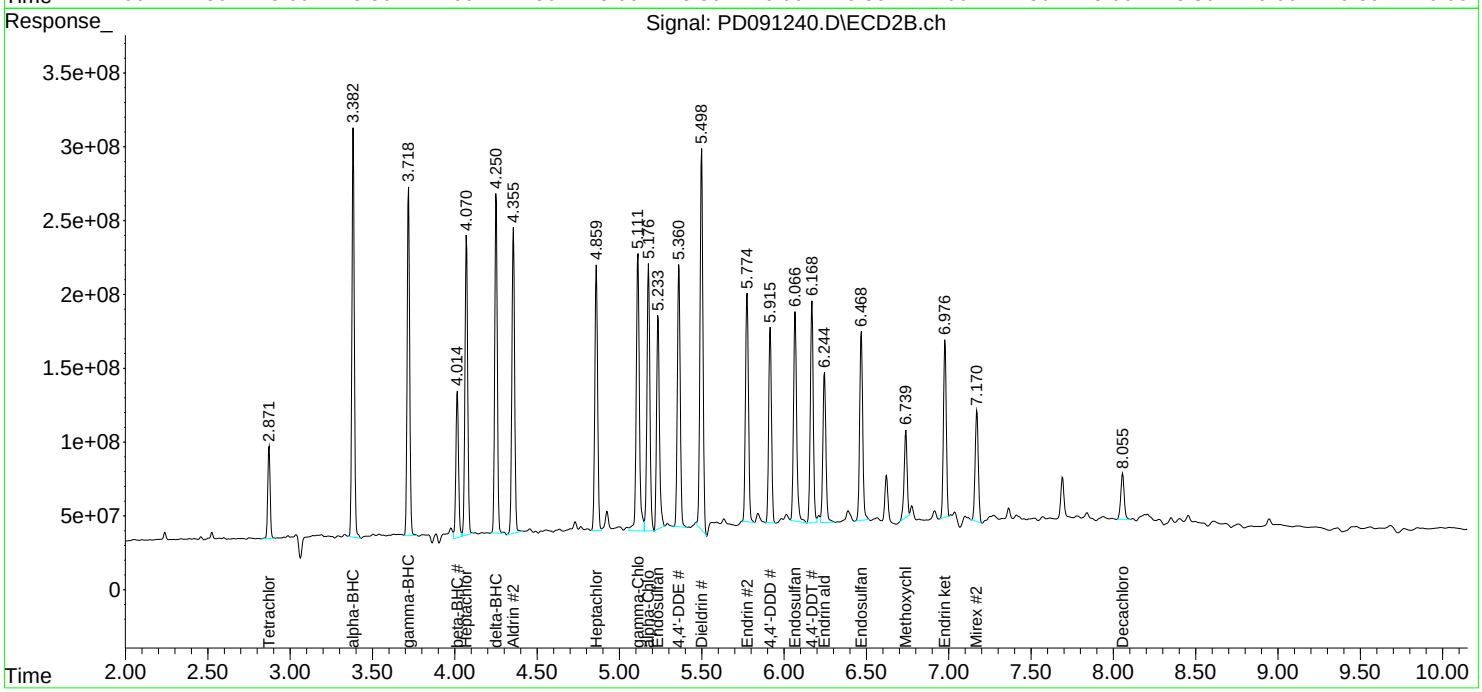
Instrument :
ECD_D
ClientSampleId :
DUPE-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PD111525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD091194.D	4,4"-DDE #2	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PEM	PD091194.D	Endrin aldehyde	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PEM	PD091194.D	Endrin aldehyde #2	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PSTDICC005	PD091200.D	delta-BHC	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Heptachlor	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Heptachlor epoxide	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Tetrachloro-m-xylene	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Tetrachloro-m-xylene #2	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PEM	PD091215.D	4,4"-DDE #2	Abdul	11/17/2025 8:53:18 AM	Sohil	11/17/2025 2:14:03	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd111725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD091235.D	4,4"-DDD #2	Abdul	11/18/2025 11:03:29 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
PEM	PD091235.D	Endrin aldehyde	Abdul	11/18/2025 11:03:29 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
PEM	PD091235.D	Endrin ketone #2	Abdul	11/18/2025 11:03:29 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-01	PD091237.D	Decachlorobiphenyl #2	Abdul	11/18/2025 11:03:25 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-01	PD091237.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:25 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-01	PD091237.D	Tetrachloro-m-xylene #2	Abdul	11/18/2025 11:03:25 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03	PD091238.D	Decachlorobiphenyl #2	Abdul	11/18/2025 11:03:23 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03	PD091238.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:23 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03	PD091238.D	Tetrachloro-m-xylene #2	Abdul	11/18/2025 11:03:23 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MS	PD091239.D	Endrin ketone	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MS	PD091239.D	gamma-BHC (Lindane)	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MS	PD091239.D	gamma-Chlordane	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MS	PD091239.D	gamma-Chlordane #2	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd111725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3649-03MS	PD091239.D	Mirex	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MS	PD091239.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:19 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MSD	PD091240.D	Endrin ketone	Abdul	11/18/2025 11:03:16 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MSD	PD091240.D	gamma-BHC (Lindane)	Abdul	11/18/2025 11:03:16 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MSD	PD091240.D	gamma-Chlordane	Abdul	11/18/2025 11:03:16 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MSD	PD091240.D	Mirex	Abdul	11/18/2025 11:03:16 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-03MSD	PD091240.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:16 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-06	PD091241.D	Decachlorobiphenyl	Abdul	11/18/2025 11:03:13 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-06	PD091241.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:13 AM	mohammad	11/19/2025 12:23:26	Peak Integrated by Software
Q3649-08	PD091242.D	Tetrachloro-m-xylene	Abdul	11/18/2025 11:03:10 AM	mohammad	11/19/2025 12:23:26	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 # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	I.BLK	PD091193.D	14 Nov 2025 20:01	AR\AJ	Ok
2	PEM	PD091194.D	14 Nov 2025 20:15	AR\AJ	Ok,M
3	RESCHK	PD091195.D	14 Nov 2025 20:43	AR\AJ	Ok
4	PSTDICC100	PD091196.D	14 Nov 2025 20:56	AR\AJ	Ok
5	PSTDICC075	PD091197.D	14 Nov 2025 21:10	AR\AJ	Ok
6	PSTDICC050	PD091198.D	14 Nov 2025 21:24	AR\AJ	Ok
7	PSTDICC025	PD091199.D	14 Nov 2025 21:37	AR\AJ	Ok
8	PSTDICC005	PD091200.D	14 Nov 2025 21:51	AR\AJ	Ok,M
9	PCHLORICC1000	PD091201.D	14 Nov 2025 22:04	AR\AJ	Ok
10	PCHLORICC750	PD091202.D	14 Nov 2025 22:18	AR\AJ	Ok
11	PCHLORICC500	PD091203.D	14 Nov 2025 22:32	AR\AJ	Ok
12	PCHLORICC250	PD091204.D	14 Nov 2025 22:46	AR\AJ	Ok,M
13	PCHLORICC50	PD091205.D	14 Nov 2025 22:59	AR\AJ	Ok,M
14	PTOXICC1000	PD091206.D	14 Nov 2025 23:13	AR\AJ	Ok
15	PTOXICC750	PD091207.D	14 Nov 2025 23:27	AR\AJ	Ok
16	PTOXICC500	PD091208.D	14 Nov 2025 23:40	AR\AJ	Ok
17	PTOXICC250	PD091209.D	14 Nov 2025 23:54	AR\AJ	Ok
18	PTOXICC100	PD091210.D	15 Nov 2025 00:08	AR\AJ	Ok
19	PSTDICV050	PD091211.D	15 Nov 2025 00:21	AR\AJ	Ok
20	PCHLORICV050	PD091212.D	15 Nov 2025 00:49	AR\AJ	Ok
21	PTOXICV050	PD091213.D	15 Nov 2025 01:30	AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762 ,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	PD091214.D	15 Nov 2025 01:44	AR\AJ	Ok
23	PEM	PD091215.D	15 Nov 2025 01:57	AR\AJ	Ok,M
24	PSTDCCC050	PD091216.D	15 Nov 2025 02:11	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 # PD111725

Review By	Abdul	Review On	11/18/2025 11:05:20 AM		
Supervise By	mohammad	Supervise On	11/19/2025 12:23:26 AM		
SubDirectory	PD111725	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD091217.D	17 Nov 2025 09:35	AR\AJ	Ok
2	I.BLK	PD091218.D	17 Nov 2025 09:51	AR\AJ	Ok
3	PEM	PD091219.D	17 Nov 2025 10:04	AR\AJ	Ok
4	PSTDCCC050	PD091220.D	17 Nov 2025 10:18	AR\AJ	Ok
5	PB170527BS	PD091221.D	17 Nov 2025 12:54	AR\AJ	Ok
6	PB170506BS	PD091222.D	17 Nov 2025 13:33	AR\AJ	Ok
7	PB170575BL	PD091223.D	17 Nov 2025 13:46	AR\AJ	Ok
8	PB170575BS	PD091224.D	17 Nov 2025 14:00	AR\AJ	Ok
9	Q3638-01	PD091225.D	17 Nov 2025 14:14	AR\AJ	Ok,M
10	Q3638-03	PD091226.D	17 Nov 2025 14:27	AR\AJ	Ok,M
11	Q3640-02	PD091227.D	17 Nov 2025 14:41	AR\AJ	Ok,M
12	Q3640-03	PD091228.D	17 Nov 2025 14:55	AR\AJ	Ok,M
13	Q3641-01	PD091229.D	17 Nov 2025 15:08	AR\AJ	Ok,M
14	Q3645-01	PD091230.D	17 Nov 2025 15:49	AR\AJ	Ok
15	Q3646-01	PD091231.D	17 Nov 2025 16:02	AR\AJ	Ok,M
16	Q3647-01	PD091232.D	17 Nov 2025 16:16	AR\AJ	Ok,M
17	Q3648-01	PD091233.D	17 Nov 2025 16:30	AR\AJ	Ok,M
18	I.BLK	PD091234.D	17 Nov 2025 19:21	AR\AJ	Ok
19	PEM	PD091235.D	17 Nov 2025 19:35	AR\AJ	Ok,M
20	PSTDCCC050	PD091236.D	17 Nov 2025 20:02	AR\AJ	Ok
21	Q3649-01	PD091237.D	17 Nov 2025 21:11	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111725

Review By	Abdul	Review On	11/18/2025 11:05:20 AM		
Supervise By	mohammad	Supervise On	11/19/2025 12:23:26 AM		
SubDirectory	PD111725	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762 ,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3649-03	PD091238.D	17 Nov 2025 21:24	AR\AJ	Ok,M
23	Q3649-03MS	PD091239.D	17 Nov 2025 21:38	AR\AJ	Ok,M
24	Q3649-03MSD	PD091240.D	17 Nov 2025 21:52	AR\AJ	Ok,M
25	Q3649-06	PD091241.D	17 Nov 2025 22:05	AR\AJ	Ok,M
26	Q3649-08	PD091242.D	17 Nov 2025 22:19	AR\AJ	Ok,M
27	I.BLK	PD091243.D	17 Nov 2025 22:33	AR\AJ	Ok
28	PSTDCCC050	PD091244.D	17 Nov 2025 23:00	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	I.BLK	I.BLK	PD091193.D	14 Nov 2025 20:01		AR\AJ	Ok
2	PEM	PEM	PD091194.D	14 Nov 2025 20:15		AR\AJ	Ok,M
3	RESCHK	RESCHK	PD091195.D	14 Nov 2025 20:43		AR\AJ	Ok
4	PSTDICC100	PSTDICC100	PD091196.D	14 Nov 2025 20:56		AR\AJ	Ok
5	PSTDICC075	PSTDICC075	PD091197.D	14 Nov 2025 21:10		AR\AJ	Ok
6	PSTDICC050	PSTDICC050	PD091198.D	14 Nov 2025 21:24		AR\AJ	Ok
7	PSTDICC025	PSTDICC025	PD091199.D	14 Nov 2025 21:37		AR\AJ	Ok
8	PSTDICC005	PSTDICC005	PD091200.D	14 Nov 2025 21:51		AR\AJ	Ok,M
9	PCHLORICC1000	PCHLORICC1000	PD091201.D	14 Nov 2025 22:04		AR\AJ	Ok
10	PCHLORICC750	PCHLORICC750	PD091202.D	14 Nov 2025 22:18		AR\AJ	Ok
11	PCHLORICC500	PCHLORICC500	PD091203.D	14 Nov 2025 22:32		AR\AJ	Ok
12	PCHLORICC250	PCHLORICC250	PD091204.D	14 Nov 2025 22:46		AR\AJ	Ok,M
13	PCHLORICC50	PCHLORICC50	PD091205.D	14 Nov 2025 22:59		AR\AJ	Ok,M
14	PTOXICC1000	PTOXICC1000	PD091206.D	14 Nov 2025 23:13		AR\AJ	Ok
15	PTOXICC750	PTOXICC750	PD091207.D	14 Nov 2025 23:27		AR\AJ	Ok
16	PTOXICC500	PTOXICC500	PD091208.D	14 Nov 2025 23:40		AR\AJ	Ok
17	PTOXICC250	PTOXICC250	PD091209.D	14 Nov 2025 23:54		AR\AJ	Ok
18	PTOXICC100	PTOXICC100	PD091210.D	15 Nov 2025 00:08		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PSTDICV050	ICVPD111525	PD091211.D	15 Nov 2025 00:21		AR\AJ	Ok
20	PCHLORICV050	ICVPD111525CHLOR	PD091212.D	15 Nov 2025 00:49		AR\AJ	Ok
21	PTOXICV050	ICVPD111525TOX	PD091213.D	15 Nov 2025 01:30		AR\AJ	Ok
22	I.BLK	I.BLK	PD091214.D	15 Nov 2025 01:44		AR\AJ	Ok
23	PEM	PEM	PD091215.D	15 Nov 2025 01:57		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD091216.D	15 Nov 2025 02:11		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111725

Review By	Abdul	Review On	11/18/2025 11:05:20 AM		
Supervise By	mohammad	Supervise On	11/19/2025 12:23:26 AM		
SubDirectory	PD111725	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD091217.D	17 Nov 2025 09:35		AR\AJ	Ok
2	I.BLK	I.BLK	PD091218.D	17 Nov 2025 09:51		AR\AJ	Ok
3	PEM	PEM	PD091219.D	17 Nov 2025 10:04		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PD091220.D	17 Nov 2025 10:18		AR\AJ	Ok
5	PB170527BS	PB170527BS	PD091221.D	17 Nov 2025 12:54		AR\AJ	Ok
6	PB170506BS	PB170506BS	PD091222.D	17 Nov 2025 13:33		AR\AJ	Ok
7	PB170575BL	PB170575BL	PD091223.D	17 Nov 2025 13:46		AR\AJ	Ok
8	PB170575BS	PB170575BS	PD091224.D	17 Nov 2025 14:00		AR\AJ	Ok
9	Q3638-01	MOO-25-0327	PD091225.D	17 Nov 2025 14:14		AR\AJ	Ok,M
10	Q3638-03	MOO-25-0328	PD091226.D	17 Nov 2025 14:27		AR\AJ	Ok,M
11	Q3640-02	LAW-25-0179-0180	PD091227.D	17 Nov 2025 14:41		AR\AJ	Ok,M
12	Q3640-03	LAW-25-0182	PD091228.D	17 Nov 2025 14:55	TCMX low in 2nd column	AR\AJ	Ok,M
13	Q3641-01	TR-05-111325	PD091229.D	17 Nov 2025 15:08		AR\AJ	Ok,M
14	Q3645-01	HD-02-11142025	PD091230.D	17 Nov 2025 15:49		AR\AJ	Ok
15	Q3646-01	SU-03-11142025	PD091231.D	17 Nov 2025 16:02		AR\AJ	Ok,M
16	Q3647-01	VNJ-212	PD091232.D	17 Nov 2025 16:16		AR\AJ	Ok,M
17	Q3648-01	OR-02-111425	PD091233.D	17 Nov 2025 16:30		AR\AJ	Ok,M
18	I.BLK	I.BLK	PD091234.D	17 Nov 2025 19:21		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111725

Review By	Abdul	Review On	11/18/2025 11:05:20 AM		
Supervise By	mohammad	Supervise On	11/19/2025 12:23:26 AM		
SubDirectory	PD111725	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PEM	PEM	PD091235.D	17 Nov 2025 19:35		AR\AJ	Ok,M
20	PSTDCCC050	PSTDCCC050	PD091236.D	17 Nov 2025 20:02		AR\AJ	Ok
21	Q3649-01	B5-0.0-0.5-20251114	PD091237.D	17 Nov 2025 21:11		AR\AJ	Ok,M
22	Q3649-03	DUPE-0.0-0.5-2025111	PD091238.D	17 Nov 2025 21:24		AR\AJ	Ok,M
23	Q3649-03MS	DUPE-0.0-0.5-2025111	PD091239.D	17 Nov 2025 21:38		AR\AJ	Ok,M
24	Q3649-03MSD	DUPE-0.0-0.5-2025111	PD091240.D	17 Nov 2025 21:52		AR\AJ	Ok,M
25	Q3649-06	B4-0.0-0.5-20251114	PD091241.D	17 Nov 2025 22:05		AR\AJ	Ok,M
26	Q3649-08	B3-0.0-0.5-20251114	PD091242.D	17 Nov 2025 22:19		AR\AJ	Ok,M
27	I.BLK	I.BLK	PD091243.D	17 Nov 2025 22:33		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PD091244.D	17 Nov 2025 23:00		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170575

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	11/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:06
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/17/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2660
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Back lab)	R. Patel/PCB Lab
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170575

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170575BL	PBLK575	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB170575BS	PLCS575	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			2
Q3638-01	MOO-25-0327	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E	Small Particles	3
Q3638-03	MOO-25-0328	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	4
Q3640-02	LAW-25-0179-0180	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	A		5
Q3640-03	LAW-25-0182	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q3641-01	TR-05-111325	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q3645-01	HD-02-11142025	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		2
Q3646-01	SU-03-11142025	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		3
Q3647-01	VNJ-212	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E	Concrete	4
Q3648-01	OR-02-111425	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q3649-01	B5-0.0-0.5-20251114	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		6
Q3649-03	DUPE-0.0-0.5-20251114	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	B		U3-1
Q3649-03MS	DUPE-0.0-0.5-20251114 MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		2
Q3649-03MSD	DUPE-0.0-0.5-20251114 MSD	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		3
Q3649-06	B4-0.0-0.5-20251114	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	B		4
Q3649-08	B3-0.0-0.5-20251114	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		5

RJ 11/17

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

Q3649 11/17/25 9:06

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3638 **WorkList ID :** 193146 **Department :** Extraction **Date :** 11-17-2025 08:59:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/13/2025	8081B
Q3638-03	MOO-25-0328	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/13/2025	8081B
Q3640-02	LAW-25-0179-0180	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/13/2025	8081B
Q3640-03	LAW-25-0182	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/13/2025	8081B
Q3641-01	TR-05-111325	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/13/2025	8081B
Q3645-01	HD-02-11142025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	11/13/2025	8081B
Q3646-01	SU-03-11142025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D51	11/14/2025	8081B
Q3647-01	VNJ-212	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	11/14/2025	8081B
Q3648-01	OR-02-111425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	11/14/2025	8081B
Q3649-01	B5-0.0-0.5-20251114	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	11/14/2025	8081B
Q3649-03	DUPE-0.0-0.5-20251114	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	11/14/2025	8081B
Q3649-06	B4-0.0-0.5-20251114	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	11/14/2025	8081B
Q3649-08	B3-0.0-0.5-20251114	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	11/14/2025	8081B

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Date/Time 11/17/25 9:01
Raw Sample Received by: RJ (EXT(96)
Raw Sample Relinquished by: CA

Date/Time 11/17/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT(96)

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUPE-0.0-0.5-20251114								
Q3649-03	DUPE-0.0-0.5-202511	SOIL	Aroclor-1260	11.5	J	3.70	19.6	ug/kg
			Total Concentration:	**11.500**				

SAMPLE DATA

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.6
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.40	U	1	4.40	18.8	ug/kg	11/17/25 16:58	PB170574
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.8	ug/kg	11/17/25 16:58	PB170574
11141-16-5	Aroclor-1232	4.10	U	1	4.10	18.8	ug/kg	11/17/25 16:58	PB170574
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.8	ug/kg	11/17/25 16:58	PB170574
12672-29-6	Aroclor-1248	6.50	U	1	6.50	18.8	ug/kg	11/17/25 16:58	PB170574
11097-69-1	Aroclor-1254	3.50	U	1	3.50	18.8	ug/kg	11/17/25 16:58	PB170574
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.8	ug/kg	11/17/25 16:58	PB170574
11100-14-4	Aroclor-1268	4.00	U	1	4.00	18.8	ug/kg	11/17/25 16:58	PB170574
11096-82-5	Aroclor-1260	3.60	U	1	3.60	18.8	ug/kg	11/17/25 16:58	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.7			30 (21) - 150 (165)	113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.9			30 (10) - 150 (170)	104%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.60	U	1	4.60	19.6	ug/kg	11/17/25 17:17	PB170574
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.6	ug/kg	11/17/25 17:17	PB170574
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.6	ug/kg	11/17/25 17:17	PB170574
53469-21-9	Aroclor-1242	4.60	U	1	4.60	19.6	ug/kg	11/17/25 17:17	PB170574
12672-29-6	Aroclor-1248	6.80	U	1	6.80	19.6	ug/kg	11/17/25 17:17	PB170574
11097-69-1	Aroclor-1254	3.70	U	1	3.70	19.6	ug/kg	11/17/25 17:17	PB170574
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.6	ug/kg	11/17/25 17:17	PB170574
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.6	ug/kg	11/17/25 17:17	PB170574
11096-82-5	Aroclor-1260	11.5	J	1	3.70	19.6	ug/kg	11/17/25 17:17	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.1			30 (21) - 150 (165)	106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.6			30 (10) - 150 (170)	93%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.4
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.30	U	1	4.30	18.6	ug/kg	11/17/25 17:35	PB170574
11104-28-2	Aroclor-1221	4.40	U	1	4.40	18.6	ug/kg	11/17/25 17:35	PB170574
11141-16-5	Aroclor-1232	4.10	U	1	4.10	18.6	ug/kg	11/17/25 17:35	PB170574
53469-21-9	Aroclor-1242	4.40	U	1	4.40	18.6	ug/kg	11/17/25 17:35	PB170574
12672-29-6	Aroclor-1248	6.50	U	1	6.50	18.6	ug/kg	11/17/25 17:35	PB170574
11097-69-1	Aroclor-1254	3.50	U	1	3.50	18.6	ug/kg	11/17/25 17:35	PB170574
37324-23-5	Aroclor-1262	5.50	U	1	5.50	18.6	ug/kg	11/17/25 17:35	PB170574
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.6	ug/kg	11/17/25 17:35	PB170574
11096-82-5	Aroclor-1260	3.50	U	1	3.50	18.6	ug/kg	11/17/25 17:35	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.9			30 (21) - 150 (165)	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.5			30 (10) - 150 (170)	103%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.60	U	1	4.60	19.7	ug/kg	11/17/25 17:54	PB170574
11104-28-2	Aroclor-1221	4.70	U	1	4.70	19.7	ug/kg	11/17/25 17:54	PB170574
11141-16-5	Aroclor-1232	4.30	U	1	4.30	19.7	ug/kg	11/17/25 17:54	PB170574
53469-21-9	Aroclor-1242	4.70	U	1	4.70	19.7	ug/kg	11/17/25 17:54	PB170574
12672-29-6	Aroclor-1248	6.90	U	1	6.90	19.7	ug/kg	11/17/25 17:54	PB170574
11097-69-1	Aroclor-1254	3.70	U	1	3.70	19.7	ug/kg	11/17/25 17:54	PB170574
37324-23-5	Aroclor-1262	5.80	U	1	5.80	19.7	ug/kg	11/17/25 17:54	PB170574
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.7	ug/kg	11/17/25 17:54	PB170574
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.7	ug/kg	11/17/25 17:54	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.3			30 (21) - 150 (165)	116%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.4			30 (10) - 150 (170)	117%	SPK: 20		

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

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

QC SUMMARY

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

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114870.D	PIBLK-PO114870.D	Tetrachloro-m-xyl	1	20	15.5	77		70 (60)	130 (140)
		Decachlorobiphen	1	20	16.8	84		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.3	86		70 (60)	130 (140)
I.BLK-PO115143.D	PIBLK-PO115143.D	Tetrachloro-m-xyl	1	20	24.3	121		70 (60)	130 (140)
		Decachlorobiphen	1	20	24.7	124		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	24.0	120		70 (60)	130 (140)
		Decachlorobiphen	2	20	25.6	128		70 (60)	130 (140)
Q3649-01	B5-0.0-0.5-20251114	Tetrachloro-m-xyl	1	20	22.3	112		30 (21)	150 (165)
		Decachlorobiphen	1	20	20.0	100		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.7	113		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.9	104		30 (10)	150 (170)
Q3649-03	DUPE-0.0-0.5-20251114	Tetrachloro-m-xyl	1	20	20.9	104		30 (21)	150 (165)
		Decachlorobiphen	1	20	17.1	85		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.1	106		30 (21)	150 (165)
		Decachlorobiphen	2	20	18.6	93		30 (10)	150 (170)
Q3649-06	B4-0.0-0.5-20251114	Tetrachloro-m-xyl	1	20	21.6	108		30 (21)	150 (165)
		Decachlorobiphen	1	20	19.6	98		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.9	109		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.5	103		30 (10)	150 (170)
Q3649-08	B3-0.0-0.5-20251114	Tetrachloro-m-xyl	1	20	21.9	110		30 (21)	150 (165)
		Decachlorobiphen	1	20	22.8	114		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	23.3	116		30 (21)	150 (165)
		Decachlorobiphen	2	20	23.4	117		30 (10)	150 (170)
I.BLK-PO115158.D	PIBLK-PO115158.D	Tetrachloro-m-xyl	1	20	23.9	120		70 (60)	130 (140)
		Decachlorobiphen	1	20	24.8	124		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	23.9	119		70 (60)	130 (140)
		Decachlorobiphen	2	20	25.7	128		70 (60)	130 (140)
I.BLK-PP075887.D	PIBLK-PP075887.D	Tetrachloro-m-xyl	1	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.3	96		70 (60)	130 (140)
I.BLK-PP076544.D	PIBLK-PP076544.D	Tetrachloro-m-xyl	1	20	24.5	123		70 (60)	130 (140)
		Decachlorobiphen	1	20	22.0	110		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	21.3	107		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.1	106		70 (60)	130 (140)
PB170574BL	PB170574BL	Tetrachloro-m-xyl	1	20	27.6	138		30 (21)	150 (165)
		Decachlorobiphen	1	20	26.9	134		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	26.2	131		30 (21)	150 (165)
		Decachlorobiphen	2	20	23.6	118		30 (10)	150 (170)
PB170574BS	PB170574BS	Tetrachloro-m-xyl	1	20	30.0	150		30 (21)	150 (165)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
PB170574BS	PB170574BS	Decachlorobiphen	1	20	28.4	142		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	28.9	144		30 (21)	150 (165)
		Decachlorobiphen	2	20	26.8	134		30 (10)	150 (170)
Q3641-01MS	TR-05-111325MS	Tetrachloro-m-xyl	1	20	32.8	164	*	30 (21)	150 (165)
		Decachlorobiphen	1	20	28.7	143		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	31.8	159	*	30 (21)	150 (165)
		Decachlorobiphen	2	20	25.7	129		30 (10)	150 (170)
Q3641-01MSD	TR-05-111325MSD	Tetrachloro-m-xyl	1	20	32.0	160	*	30 (21)	150 (165)
		Decachlorobiphen	1	20	27.6	138		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	30.5	152	*	30 (21)	150 (165)
		Decachlorobiphen	2	20	24.2	121		30 (10)	150 (170)
I.BLK-PP076559.D	PIBLK-PP076559.D	Tetrachloro-m-xyl	1	20	22.9	115		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.6	108		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	21.3	106		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.5	97		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PP076551.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3641-01MS (Column 1)**	**Client Sample ID:**		**TR-05-111325MS**								
	AR1016	176.8	0	208	ug/kg	118				40 (39)	140 (159)	
	AR1260	176.8	0	211	ug/kg	119				40 (19)	140 (160)	
Lab Sample ID:	**Q3641-01MS (Column 2)**	**Client Sample ID:**		**TR-05-111325MS**								
	AR1016	176.8	0	219	ug/kg	124				40 (39)	140 (159)	
	AR1260	176.8	0	212	ug/kg	120				40 (19)	140 (160)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PP076552.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3641-01MSD (Column 1)**	**Client Sample ID:**		**TR-05-111325MSD**								
	AR1016	176.6	0	198	ug/kg	112		5		40 (39)	140 (159)	30 (21)
	AR1260	176.6	0	202	ug/kg	114		4		40 (19)	140 (160)	30 (15)
Lab Sample ID:	**Q3641-01MSD (Column 2)**	**Client Sample ID:**		**TR-05-111325MSD**								
	AR1016	176.6	0	199	ug/kg	113		9		40 (39)	140 (159)	30 (21)
	AR1260	176.6	0	200	ug/kg	113		6		40 (19)	140 (160)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8082A

Client: HDR, Inc. **Datafile :** PP076549.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170574BS (Column 1)	AR1016	166.5	185	ug/kg	111				40 (71)	140 (120)	
	AR1260	166.5	190	ug/kg	114				40 (65)	140 (130)	
PB170574BS (Column 2)	AR1016	166.5	167	ug/kg	100				40 (71)	140 (120)	
	AR1260	166.5	200	ug/kg	120				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170574BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab Sample ID: PB170574BL | Lab File ID: PP076548.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/17/2025

Date Analyzed (1): 11/17/2025 | Date Analyzed (2): 11/17/2025

Time Analyzed (1): 17:43 | Time Analyzed (2): 17:43

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
B5-0.0-0.5-20251114	Q3649-01	PO115144.D	11/17/2025	11/17/2025
DUPE-0.0-0.5-20251114	Q3649-03	PO115145.D	11/17/2025	11/17/2025
B4-0.0-0.5-20251114	Q3649-06	PO115146.D	11/17/2025	11/17/2025
B3-0.0-0.5-20251114	Q3649-08	PO115147.D	11/17/2025	11/17/2025
PB170574BS	PB170574BS	PP076549.D	11/17/2025	11/17/2025
TR-05-111325MS	Q3641-01MS	PP076551.D	11/17/2025	11/17/2025
TR-05-111325MSD	Q3641-01MSD	PP076552.D	11/17/2025	11/17/2025

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:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170574BL	SDG No.:	Q3649
Lab Sample ID:	PB170574BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	3.90	U	1	3.90	17.0	ug/kg	11/17/25 17:43	PB170574
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	11/17/25 17:43	PB170574
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	11/17/25 17:43	PB170574
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	11/17/25 17:43	PB170574
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	11/17/25 17:43	PB170574
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	11/17/25 17:43	PB170574
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	11/17/25 17:43	PB170574
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	11/17/25 17:43	PB170574
11096-82-5	Aroclor-1260	3.20	U	1	3.20	17.0	ug/kg	11/17/25 17:43	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.6			30 (21) - 150 (165)	138%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.9			30 (10) - 150 (170)	134%	SPK: 20		

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:	HDR, Inc.	Date Collected:	11/04/25
Project:	PVWC Linear Construction	Date Received:	11/04/25
Client Sample ID:	PIBLK-PO114870.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PO114870.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/04/25	po110425
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/04/25	po110425
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/04/25	po110425
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/04/25	po110425
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/04/25	po110425
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/04/25	po110425
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/04/25	po110425
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/04/25	po110425
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/04/25	po110425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.5			70 (60) - 130 (140)	77%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.8			70 (60) - 130 (140)	84%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PO115143.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PO115143.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/17/25	PO111725
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/17/25	PO111725
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/17/25	PO111725
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/17/25	PO111725
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/17/25	PO111725
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/17/25	PO111725
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/17/25	PO111725
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/17/25	PO111725
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/17/25	PO111725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.0			70 (60) - 130 (140)	120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.7			70 (60) - 130 (140)	124%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PO115158.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PO115158.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/17/25	PO111725
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/17/25	PO111725
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/17/25	PO111725
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/17/25	PO111725
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/17/25	PO111725
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/17/25	PO111725
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/17/25	PO111725
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/17/25	PO111725
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/17/25	PO111725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.9			70 (60) - 130 (140)	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.8			70 (60) - 130 (140)	124%	SPK: 20		

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/21/25
Project:	PVWC Linear Construction	Date Received:	10/21/25
Client Sample ID:	PIBLK-PP075887.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PP075887.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	10/21/25	PP102125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/21/25	PP102125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/21/25	PP102125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/21/25	PP102125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/21/25	PP102125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/21/25	PP102125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/21/25	PP102125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/21/25	PP102125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/21/25	PP102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.8			70 (60) - 130 (140)	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.3			70 (60) - 130 (140)	96%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PP076544.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PP076544.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/17/25	PP111725
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/17/25	PP111725
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/17/25	PP111725
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/17/25	PP111725
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/17/25	PP111725
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/17/25	PP111725
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/17/25	PP111725
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/17/25	PP111725
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/17/25	PP111725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.3			70 (60) - 130 (140)	107%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.1			70 (60) - 130 (140)	106%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/17/25
Client Sample ID:	PIBLK-PP076559.D	SDG No.:	Q3649
Lab Sample ID:	I.BLK-PP076559.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/17/25	PP111725
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/17/25	PP111725
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/17/25	PP111725
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/17/25	PP111725
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/17/25	PP111725
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/17/25	PP111725
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/17/25	PP111725
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/17/25	PP111725
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/17/25	PP111725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.3			70 (60) - 130 (140)	106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.5			70 (60) - 130 (140)	97%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170574BS	SDG No.:	Q3649
Lab Sample ID:	PB170574BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	185		1	3.90	17.0	ug/kg	11/17/25 18:00	PB170574
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	11/17/25 18:00	PB170574
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	11/17/25 18:00	PB170574
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	11/17/25 18:00	PB170574
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	11/17/25 18:00	PB170574
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	11/17/25 18:00	PB170574
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	11/17/25 18:00	PB170574
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	11/17/25 18:00	PB170574
11096-82-5	Aroclor-1260	200		1	3.20	17.0	ug/kg	11/17/25 18:00	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	30.0			30 (21) - 150 (165)	150%	SPK: 20		
2051-24-3	Decachlorobiphenyl	28.4			30 (10) - 150 (170)	142%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/13/25
Project:	PVWC Linear Construction	Date Received:	11/13/25
Client Sample ID:	TR-05-111325MS	SDG No.:	Q3649
Lab Sample ID:	Q3641-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.1
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	219		1	4.20	18.0	ug/kg	11/17/25 18:32	PB170574
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.0	ug/kg	11/17/25 18:32	PB170574
11141-16-5	Aroclor-1232	3.90	U	1	3.90	18.0	ug/kg	11/17/25 18:32	PB170574
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.0	ug/kg	11/17/25 18:32	PB170574
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.0	ug/kg	11/17/25 18:32	PB170574
11097-69-1	Aroclor-1254	3.40	U	1	3.40	18.0	ug/kg	11/17/25 18:32	PB170574
37324-23-5	Aroclor-1262	5.30	U	1	5.30	18.0	ug/kg	11/17/25 18:32	PB170574
11100-14-4	Aroclor-1268	3.80	U	1	3.80	18.0	ug/kg	11/17/25 18:32	PB170574
11096-82-5	Aroclor-1260	212		1	3.40	18.0	ug/kg	11/17/25 18:32	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	32.8	*		30 (21) - 150 (165)	164%	SPK: 20		
2051-24-3	Decachlorobiphenyl	28.7			30 (10) - 150 (170)	143%	SPK: 20		

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

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/13/25
Project:	PVWC Linear Construction	Date Received:	11/13/25
Client Sample ID:	TR-05-111325MSD	SDG No.:	Q3649
Lab Sample ID:	Q3641-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.1
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	199		1	4.20	18.0	ug/kg	11/17/25 18:48	PB170574
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.0	ug/kg	11/17/25 18:48	PB170574
11141-16-5	Aroclor-1232	3.90	U	1	3.90	18.0	ug/kg	11/17/25 18:48	PB170574
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.0	ug/kg	11/17/25 18:48	PB170574
12672-29-6	Aroclor-1248	6.30	U	1	6.30	18.0	ug/kg	11/17/25 18:48	PB170574
11097-69-1	Aroclor-1254	3.40	U	1	3.40	18.0	ug/kg	11/17/25 18:48	PB170574
37324-23-5	Aroclor-1262	5.30	U	1	5.30	18.0	ug/kg	11/17/25 18:48	PB170574
11100-14-4	Aroclor-1268	3.80	U	1	3.80	18.0	ug/kg	11/17/25 18:48	PB170574
11096-82-5	Aroclor-1260	202		1	3.40	18.0	ug/kg	11/17/25 18:48	PB170574
SURROGATES									
877-09-8	Tetrachloro-m-xylene	32.0	*		30 (21) - 150 (165)	160%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.6			30 (10) - 150 (170)	138%	SPK: 20		

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CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

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

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1016-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1016-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1016-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-5	(5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1260-1	(1)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1260-4	(4)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-5	(5)	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1242-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1242-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1248-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1248-2	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1248-3	(3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-4	(4)	6.35	6.36	6.35	6.35	6.36	6.35	6.25	6.45
Aroclor-1248-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1254-1	(1)	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Aroclor-1254-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1254-3	(3)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Aroclor-1254-4	(4)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Aroclor-1254-5	(5)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1268-1	(1)	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
Aroclor-1268-2	(2)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-3	(3)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-4	(4)	9.22	9.22	9.22	9.22	9.21	9.22	9.12	9.32
Aroclor-1268-5	(5)	9.61	9.61	9.61	9.61	9.61	9.61	9.51	9.71

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

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

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.97	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.68	5.68	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

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

LAB FILE ID: CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	235183609	242405119	252300612	252330724	247880040	246020021	3
Aroclor-1016-2	(2)	380671765	391174169	403435360	408228592	401844700	397070917	3
Aroclor-1016-3	(3)	214892716	220811199	230510330	231508016	217282560	223000964	3
Aroclor-1016-4	(4)	180735079	184273587	191842228	192742164	194782360	188875084	3
Aroclor-1016-5	(5)	166479276	173610481	179587174	180772736	190536000	178197133	5
Aroclor-1260-1	(1)	291080181	301659089	311914366	329562032	293951540	305633442	5
Aroclor-1260-2	(2)	393658847	402595176	414352186	418536840	350242960	395877202	7
Aroclor-1260-3	(3)	331096941	340266576	347857958	348147780	291720640	331817979	7
Aroclor-1260-4	(4)	303823322	310642864	321126472	321507392	268000240	305020058	7
Aroclor-1260-5	(5)	714393776	724690244	737226162	719415648	670367440	713218654	3
Decachlorobiphenyl		4451734610	4516548787	4612561720	4524869360	3995527600	4420248415	6
Tetrachloro-m-xylene		7020403280	7162783533	7307727940	7156075200	6543618600	7038121711	4
Aroclor-1242-1	(1)	180395803	184480117	189796832	192180524	184350480	186240751	2
Aroclor-1242-2	(2)	290607708	295647931	305830174	302003732	299791360	298776181	2
Aroclor-1242-3	(3)	164449629	167684461	173929682	174410736	176369820	171368866	3
Aroclor-1242-4	(4)	136844790	140633719	146402846	139660276	152376540	143183634	4
Aroclor-1242-5	(5)	138362947	141839337	145002188	138385972	141196180	140957325	2
Decachlorobiphenyl		4729850460	4804993427	4858375920	4746069120	4160138600	4659885505	6
Tetrachloro-m-xylene		7348004600	7445204373	7532777260	7262019280	6694579200	7256516943	5
Aroclor-1248-1	(1)	130126160	135244476	137909000	141742196	154206600	139845686	6
Aroclor-1248-2	(2)	182893435	187680161	194064692	196392780	211353600	194476934	5
Aroclor-1248-3	(3)	203368877	206306241	213983954	212927108	217587500	210834736	3
Aroclor-1248-4	(4)	240181487	246210361	255848644	255957264	264773260	252594203	4
Aroclor-1248-5	(5)	225312398	230738423	239469078	240115800	243213880	235769916	3
Decachlorobiphenyl		4590720290	4647354867	4744288880	4661202760	4211361200	4570985599	5
Tetrachloro-m-xylene		7316541360	7442934853	7528054520	7402608560	7218400400	7381707939	2
Aroclor-1254-1	(1)	240591852	247416493	258765478	257075152	263299240	253429643	3
Aroclor-1254-2	(2)	346021204	353529297	371589652	368897016	412184820	370444398	7
Aroclor-1254-3	(3)	372893964	380446979	397009938	384293176	389678940	384864599	2
Aroclor-1254-4	(4)	315539209	321424513	336840998	326904952	342871860	328716306	3
Aroclor-1254-5	(5)	295373361	300690525	312155076	300474784	300573260	301853401	2
Decachlorobiphenyl		4791769470	4896862187	5061968640	4831244600	4661831200	4848735219	3
Tetrachloro-m-xylene		7410585440	7526809333	7802184660	7481754040	7408041400	7525874975	2
Aroclor-1268-1	(1)	876279188	885717404	893041022	887529864	813508780	871215252	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	748334854	756337347	765525536	759915712	702804360	746583562	3
Aroclor-1268-3	(3)	663299706	672085827	679866912	671661004	617886840	660960058	4
Aroclor-1268-4	(4)	274155738	277531193	282310020	282161716	286808980	280593529	2
Aroclor-1268-5	(5)	1966581606	1979440064	1985729368	1956798376	1807416340	1939193151	4
Decachlorobiphenyl		8288385350	8396434587	8504946880	8419357920	7722111200	8266247187	4
Tetrachloro-m-xylene		7475792880	7636683133	7655291620	7597134240	7121440400	7497268455	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

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

LAB FILE ID: CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	178795127	185535456	193106802	200932132	192907960	190255495	4
Aroclor-1016-2	(2)	260787154	267435697	277593168	286495324	262010880	270864445	4
Aroclor-1016-3	(3)	140310175	144533207	150201526	154962192	149858780	147973176	4
Aroclor-1016-4	(4)	108607533	112021955	117721682	122827936	125909940	117417809	6
Aroclor-1016-5	(5)	142235561	147493437	153611756	157990124	162236540	152713484	5
Aroclor-1260-1	(1)	272865489	283696256	302549666	306994580	314431380	296107474	5
Aroclor-1260-2	(2)	410849028	420744668	440173148	441650472	436738740	430031211	3
Aroclor-1260-3	(3)	328919579	344471297	362206406	366201912	353957800	351151399	4
Aroclor-1260-4	(4)	295043629	302500340	313130718	316509244	287959420	303028670	4
Aroclor-1260-5	(5)	819932115	830411719	851082708	846532168	760181660	821628074	4
Decachlorobiphenyl		3768213910	3862452533	4051635320	3997632280	3839185200	3903823849	3
Tetrachloro-m-xylene		4444199150	4532189360	4610968540	4573862320	4172678600	4466779594	4
Aroclor-1242-1	(1)	138347633	144438088	149108388	148877560	150336280	146221590	3
Aroclor-1242-2	(2)	199908386	204961789	213926082	211880332	205062860	207147890	3
Aroclor-1242-3	(3)	108216818	112229521	116418372	113485296	109537600	111977521	3
Aroclor-1242-4	(4)	101919263	105301932	110004430	109236748	109193360	107131147	3
Aroclor-1242-5	(5)	135980897	140103160	145653410	150301700	142549620	142917757	4
Decachlorobiphenyl		4093300380	4301738307	4403735460	4338775160	4380898600	4303689581	3
Tetrachloro-m-xylene		4800115840	4683347560	4961464680	4527345840	4437059000	4681866584	4
Aroclor-1248-1	(1)	101027399	105625799	111262386	113093188	115539800	109309714	5
Aroclor-1248-2	(2)	136540550	142594189	148530518	152692968	164144180	148900481	7
Aroclor-1248-3	(3)	143887712	149887199	155474250	158349236	169440400	155407759	6
Aroclor-1248-4	(4)	171266913	177666692	184171754	187513908	195642380	183252329	5
Aroclor-1248-5	(5)	174649655	180220384	187038042	189642400	190092660	184328628	3
Decachlorobiphenyl		4076042330	4166088587	4290124020	4403270520	4144788800	4216062851	3
Tetrachloro-m-xylene		4758509080	4829545453	4892334280	4811209560	4727034000	4803726475	1
Aroclor-1254-1	(1)	275439068	284238351	300243386	299923620	341055960	300180077	8
Aroclor-1254-2	(2)	245333366	253279232	267984098	268318040	313122940	269607535	9
Aroclor-1254-3	(3)	398238109	410614839	430545692	426530308	445294740	422244738	4
Aroclor-1254-4	(4)	284785979	294895399	305027804	301955520	300306220	297394184	3
Aroclor-1254-5	(5)	385708423	392326712	409498118	398089984	402006780	397526003	2
Decachlorobiphenyl		4273373360	4367226933	4604811080	4533103920	4272134600	4410129979	3
Tetrachloro-m-xylene		4791085320	4887004773	5044010700	4876428000	4843036000	4888312959	2
Aroclor-1268-1	(1)	948830555	965398547	981732904	993582148	991082540	976125339	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	784312077	796694211	811227528	817006596	768929160	795633914	2
Aroclor-1268-3	(3)	672635507	681509284	695723330	696225136	632763280	675771307	4
Aroclor-1268-4	(4)	270862616	275402580	280086838	282372280	267609400	275266743	2
Aroclor-1268-5	(5)	1768544208	1786014605	1818457210	1831952004	1717683400	1784530285	2
Decachlorobiphenyl		7349980390	7437822467	7706201340	7861559120	8321979800	7735508623	5
Tetrachloro-m-xylene		4791521570	4902547960	4915920660	4883273320	4724156000	4843483902	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

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	4.55	4.45	4.65	84124000
		2	4.63	4.53	4.73	60183600
		3	4.71	4.61	4.81	193335000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	150015000
		2	5.22	5.12	5.32	72567400
		3	5.51	5.41	5.61	158675000
		4	5.67	5.57	5.77	73795600
		5	5.76	5.66	5.86	51580600
Aroclor-1262	500	1	7.70	7.60	7.80	453404000
		2	8.23	8.13	8.33	707198000
		3	8.53	8.43	8.63	451420000
		4	8.62	8.52	8.72	336186000
		5	9.24	9.14	9.34	241816000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

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	3.86	3.76	3.96	61799200
		2	3.95	3.85	4.05	45637000
		3	4.02	3.92	4.12	140257000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	111493000
		2	4.75	4.65	4.85	112095000
		3	4.92	4.82	5.02	59654200
		4	5.01	4.91	5.11	50889000
		5	5.18	5.08	5.28	56587600
Aroclor-1262	500	1	6.76	6.66	6.86	494206000
		2	7.26	7.16	7.36	795090000
		3	7.54	7.44	7.64	329028000
		4	7.61	7.51	7.71	538192000
		5	8.10	8.00	8.20	238020000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_P **Calibration Date(s):** 10/21/2025 10/21/2025

Calibration Times: 09:06 17:01

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

LAB FILE ID: RT 1000 = PP075888.D RT 750 = PP075889.D

RT 500 = PP075890.D RT 250 = PP075891.D RT 050 = PP075892.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1016-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1016-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1016-5	(5)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-1	(1)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1260-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1260-3	(3)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1260-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1260-5	(5)	8.56	8.55	8.55	8.55	8.56	8.55	8.45	8.65
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.64	4.65	4.65	4.64	4.54	4.74
Aroclor-1242-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1242-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1242-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1242-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1248-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-2	(2)	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Aroclor-1248-3	(3)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1248-4	(4)	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Aroclor-1248-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.43	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1254-1	(1)	6.65	6.65	6.65	6.65	6.64	6.65	6.55	6.75
Aroclor-1254-2	(2)	6.86	6.86	6.87	6.86	6.86	6.86	6.76	6.96
Aroclor-1254-3	(3)	7.23	7.23	7.23	7.23	7.22	7.23	7.13	7.33
Aroclor-1254-4	(4)	7.51	7.51	7.51	7.51	7.50	7.51	7.41	7.61
Aroclor-1254-5	(5)	7.93	7.92	7.93	7.93	7.92	7.92	7.82	8.02
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.64	4.65	4.55	4.75
Aroclor-1268-1	(1)	8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Aroclor-1268-2	(2)	8.97	8.97	8.97	8.98	8.97	8.97	8.87	9.07
Aroclor-1268-3	(3)	9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Aroclor-1268-4	(4)	9.64	9.64	9.64	9.64	9.64	9.64	9.54	9.74
Aroclor-1268-5	(5)	10.07	10.07	10.07	10.07	10.07	10.07	9.97	10.17

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.42	10.42	10.42	10.43	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_P **Calibration Date(s):** 10/21/2025 10/21/2025

Calibration Times: 09:06 17:01

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

LAB FILE ID: RT 1000 = PP075888.D RT 750 = PP075889.D

RT 500 = PP075890.D RT 250 = PP075891.D RT 050 = PP075892.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.06	5.06	5.05	5.06	5.05	5.06	4.96	5.16
Aroclor-1016-4	(4)	5.10	5.10	5.10	5.10	5.09	5.10	5.00	5.20
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)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.06	5.06	5.06	5.06	5.05	5.06	4.96	5.16
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	8.79	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)	4.88	4.88	4.88	4.88	4.87	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
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	5.73	5.71	5.61	5.81
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	6.43	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	8.79	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.79	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.78	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.78	3.78	3.79	3.79	3.79	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID: CF 1000 = PP075888.D CF 750 = PP075889.D
CF 500 = PP075890.D CF 250 = PP075891.D CF 050 = PP075892.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	53893845	57848439	60228768	63056856	60602640	59126110	6
Aroclor-1016-2	(2)	81387326	86593457	91038396	94931280	88270120	88444116	6
Aroclor-1016-3	(3)	50025937	53493744	56764402	59544472	56926600	55351031	7
Aroclor-1016-4	(4)	41815325	44617539	46982858	48544784	45240520	45440205	6
Aroclor-1016-5	(5)	39075321	41377448	43150568	44782124	48642160	43405524	8
Aroclor-1260-1	(1)	64655691	67908073	70553690	74100180	66565440	68756615	5
Aroclor-1260-2	(2)	80744063	85234851	88594752	93987136	99325680	89577296	8
Aroclor-1260-3	(3)	64964687	67552583	69003280	72715708	72196540	69286560	5
Aroclor-1260-4	(4)	65448766	70711301	72542976	74553116	59600740	68571380	9
Aroclor-1260-5	(5)	139384380	146230631	152452738	155039368	146650940	147951611	4
Decachlorobiphenyl		1012132950	1071302787	1124785220	1137889120	1036523400	1076526695	5
Tetrachloro-m-xylene		1370219590	1453116893	1490571040	1483020960	1348537200	1429093137	5
Aroclor-1242-1	(1)	44019933	46315467	47674416	50255084	51268840	47906748	6
Aroclor-1242-2	(2)	64942800	67715737	70979556	73767248	76553360	70791740	7
Aroclor-1242-3	(3)	40140584	42044764	44589646	47135032	54298900	45641785	12
Aroclor-1242-4	(4)	33543618	35162207	36420600	36967860	39702420	36359341	6
Aroclor-1242-5	(5)	36405140	38662289	41888622	39296052	48467620	40943945	11
Decachlorobiphenyl		1136280900	1209279307	1231278960	1289202560	1357807000	1244769745	7
Tetrachloro-m-xylene		1466601570	1512648573	1545825660	1595207720	1573043800	1538665465	3
Aroclor-1248-1	(1)	33471805	35785521	36963520	39121904	34010240	35870598	6
Aroclor-1248-2	(2)	44816839	47584043	49402910	52441868	49476340	48744400	6
Aroclor-1248-3	(3)	49477903	52446567	61105936	57335280	50958020	54264741	9
Aroclor-1248-4	(4)	60435029	64167197	67505182	72174088	67539280	66364155	7
Aroclor-1248-5	(5)	58134534	61713151	65347636	71297512	67810300	64860627	8
Decachlorobiphenyl		1140637530	1190681093	1243623480	1306886720	1250686400	1226503045	5
Tetrachloro-m-xylene		1468701040	1529744213	1558324940	1626496320	1450854600	1526824223	5
Aroclor-1254-1	(1)	66261960	71898345	78270020	82464920	100572060	79893461	16
Aroclor-1254-2	(2)	87851253	92570580	96669370	102809560	120020480	99984249	12
Aroclor-1254-3	(3)	92035771	96900691	99787992	105988040	125061300	103954759	12
Aroclor-1254-4	(4)	73136868	76689867	79390286	83967352	104884540	83613783	15
Aroclor-1254-5	(5)	85440842	89720104	92252192	95013656	95427040	91570767	5
Decachlorobiphenyl		1194970230	1245235800	1296058720	1332579960	1514859800	1316740902	9
Tetrachloro-m-xylene		1499217980	1559170693	1583264260	1614158480	1720822800	1595326843	5
Aroclor-1268-1	(1)	186733090	195066952	205606148	210022232	235253460	206536376	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	172486766	179135464	188184104	190078376	211424800	188261902	8
Aroclor-1268-3	(3)	145245892	150281380	156894280	158090072	165408840	155184093	5
Aroclor-1268-4	(4)	71036137	74805685	76392484	76627212	94373740	78647052	12
Aroclor-1268-5	(5)	446420076	458917541	475352492	479939416	541304600	480386825	8
Decachlorobiphenyl		1988394870	2075434813	2173906840	2211711440	2356033600	2161096313	6
Tetrachloro-m-xylene		1515083040	1549265533	1603737900	1591085800	1659449000	1583724255	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: HDRI08
SDG NO.: Q3649
Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID: CF 1000 = PP075888.D CF 750 = PP075889.D
CF 500 = PP075890.D CF 250 = PP075891.D CF 050 = PP075892.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	708597432	755130533	750168220	768814916	718149060	740172032	3
Aroclor-1016-2	(2)	344688013	362255933	349033076	368003724	285681000	341932349	10
Aroclor-1016-3	(3)	184756021	198805969	201689770	204443556	237017160	205342495	9
Aroclor-1016-4	(4)	185429480	195612065	193130110	203643812	156612400	186885573	10
Aroclor-1016-5	(5)	202087874	223186380	221264342	249936892	243439240	227982946	8
Aroclor-1260-1	(1)	519115007	547143451	551523748	550034516	570658900	547695124	3
Aroclor-1260-2	(2)	816933203	847057133	836099344	841169992	727408040	813733542	6
Aroclor-1260-3	(3)	571186815	591919587	603061842	595667512	451948620	562756875	11
Aroclor-1260-4	(4)	562542796	557220415	556309062	533352684	387232680	519331527	14
Aroclor-1260-5	(5)	1443277342	1495374137	1448146362	1379476524	1011499060	1355554685	15
Decachlorobiphenyl		7970697090	8448130240	8416417320	8375691800	7903993200	8222985930	3
Tetrachloro-m-xylene		6687145430	7018651333	6804923780	6758234840	5822487600	6618288597	7
Aroclor-1242-1	(1)	571147464	588341980	597723718	569760388	546790280	574752766	3
Aroclor-1242-2	(2)	271622570	270496133	289123856	291348184	264965740	277511297	4
Aroclor-1242-3	(3)	148417684	150685240	162169734	157714788	168071120	157411713	5
Aroclor-1242-4	(4)	195275059	191450107	210824584	191270784	136740280	185112163	15
Aroclor-1242-5	(5)	229588702	236959084	244202752	234962408	205474700	230237529	6
Decachlorobiphenyl		8905080650	8993413907	9094156860	9113318400	9309338200	9083061603	2
Tetrachloro-m-xylene		7556133750	7417192413	7366207320	7201170040	6123421000	7132824905	8
Aroclor-1248-1	(1)	362937087	375551145	389160858	390611340	359825360	375617158	4
Aroclor-1248-2	(2)	226906631	241863020	243838414	257801160	259130280	245907901	5
Aroclor-1248-3	(3)	258884180	267447340	286041186	300772772	321318420	286892780	9
Aroclor-1248-4	(4)	264944699	288582168	281543548	284810560	293675780	282711351	4
Aroclor-1248-5	(5)	531974990	530976477	538260328	580030476	417051840	519658822	12
Decachlorobiphenyl		8995204870	9175718960	9269974040	9050625160	7344080200	8767120646	9
Tetrachloro-m-xylene		7343926730	7496283907	7432157100	7125361600	5416154400	6962776747	13
Aroclor-1254-1	(1)	570889099	597066183	605466528	586480320	460097860	563999998	11
Aroclor-1254-2	(2)	484331632	496825463	519240264	512723972	637282480	530080762	12
Aroclor-1254-3	(3)	866771846	893592493	892235862	873540968	729313040	851090842	8
Aroclor-1254-4	(4)	656603428	687178148	673132272	636725912	495267720	629781496	12
Aroclor-1254-5	(5)	714919063	793859644	718111150	679323440	693198580	719882375	6
Decachlorobiphenyl		9294247170	9652211800	9737198260	9430246600	10010120400	9624804846	3
Tetrachloro-m-xylene		7467434200	7759548133	7675903540	7263970760	7005463400	7434464007	4
Aroclor-1268-1	(1)	1831610079	1813456776	1858863308	1732000476	1817331660	1810652460	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1800363506	1772458256	1795415328	1662166904	1645167940	1735114387	4
Aroclor-1268-3	(3)	1369797429	1358701644	1402746042	1358715304	1345500120	1367092108	2
Aroclor-1268-4	(4)	542764588	536784571	540251440	501746924	465672060	517443917	6
Aroclor-1268-5	(5)	3855476951	3900359425	4013489614	3707995788	3381331260	3771730608	6
Decachlorobiphenyl		16718332370	16659738347	17037476180	16197346520	15850998600	16492778403	3
Tetrachloro-m-xylene		7499400880	7531972947	7553431460	7073074800	6855756800	7302727377	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_P **Date(s) Analyzed:** 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.84	4.74	4.94	20176600
		2	4.93	4.83	5.03	15061400
		3	5.01	4.91	5.11	46915600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.01	4.91	5.11	39314800
		2	5.53	5.43	5.63	20627600
		3	5.82	5.72	5.92	38639600
		4	5.98	5.88	6.08	20172600
		5	6.07	5.97	6.17	15662900
Aroclor-1262	500	1	8.23	8.13	8.33	84026000
		2	8.56	8.46	8.66	163669000
		3	8.88	8.78	8.98	121787000
		4	8.97	8.87	9.07	92111600
		5	9.64	9.54	9.74	67824600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Instrument ID: ECD_P **Date(s) Analyzed:** 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.99	3.89	4.09	90009000
		2	4.08	3.98	4.18	63177800
		3	4.15	4.05	4.25	212036000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	168044000
		2	4.88	4.78	4.98	297516000
		3	5.06	4.96	5.16	81766800
		4	5.14	5.04	5.24	84943400
		5	5.31	5.21	5.41	100651000
Aroclor-1262	500	1	6.89	6.79	6.99	986952000
		2	7.15	7.05	7.25	703208000
		3	7.67	7.57	7.77	606960000
		4	7.74	7.64	7.84	1101340000
		5	8.23	8.13	8.33	461492000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:28 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:28 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115139.D **Time Analyzed:** 15:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.485	5.387	5.587	505.110	500.000	1.0
Aroclor-1016-2	5.507	5.408	5.608	500.960	500.000	0.2
Aroclor-1016-3	5.568	5.470	5.670	523.560	500.000	4.7
Aroclor-1016-4	5.665	5.566	5.766	509.240	500.000	1.8
Aroclor-1016-5	5.956	5.858	6.058	482.070	500.000	-3.6
Aroclor-1260-1	7.070	6.971	7.171	474.310	500.000	-5.1
Aroclor-1260-2	7.323	7.225	7.425	509.100	500.000	1.8
Aroclor-1260-3	7.681	7.582	7.782	514.220	500.000	2.8
Aroclor-1260-4	7.903	7.803	8.003	490.890	500.000	-1.8
Aroclor-1260-5	8.210	8.110	8.310	487.200	500.000	-2.6
Decachlorobiphenyl	9.930	9.830	10.030	53.660	50.000	7.3
Tetrachloro-m-xylene	4.346	4.248	4.448	54.000	50.000	8.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115139.D **Time Analyzed:** 15:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.724	4.628	4.828	507.050	500.000	1.4
Aroclor-1016-2	4.744	4.647	4.847	502.940	500.000	0.6
Aroclor-1016-3	4.918	4.821	5.021	519.670	500.000	3.9
Aroclor-1016-4	4.960	4.864	5.064	518.090	500.000	3.6
Aroclor-1016-5	5.172	5.076	5.276	514.460	500.000	2.9
Aroclor-1260-1	6.203	6.106	6.306	474.520	500.000	-5.1
Aroclor-1260-2	6.390	6.294	6.494	457.240	500.000	-8.6
Aroclor-1260-3	6.543	6.446	6.646	470.100	500.000	-6.0
Aroclor-1260-4	7.014	6.917	7.117	476.400	500.000	-4.7
Aroclor-1260-5	7.255	7.158	7.358	473.150	500.000	-5.4
Decachlorobiphenyl	8.639	8.541	8.741	52.460	50.000	4.9
Tetrachloro-m-xylene	3.647	3.548	3.748	52.080	50.000	4.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 20:54 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 20:54 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115154.D **Time Analyzed:** 20:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.485	5.387	5.587	507.590	500.000	1.5
Aroclor-1016-2	5.507	5.408	5.608	503.560	500.000	0.7
Aroclor-1016-3	5.568	5.470	5.670	525.400	500.000	5.1
Aroclor-1016-4	5.664	5.566	5.766	510.160	500.000	2.0
Aroclor-1016-5	5.956	5.858	6.058	489.090	500.000	-2.2
Aroclor-1260-1	7.069	6.971	7.171	484.690	500.000	-3.1
Aroclor-1260-2	7.323	7.225	7.425	522.230	500.000	4.4
Aroclor-1260-3	7.680	7.582	7.782	519.970	500.000	4.0
Aroclor-1260-4	7.902	7.803	8.003	505.390	500.000	1.1
Aroclor-1260-5	8.209	8.110	8.310	501.090	500.000	0.2
Decachlorobiphenyl	9.927	9.830	10.030	55.570	50.000	11.1
Tetrachloro-m-xylene	4.346	4.248	4.448	52.550	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115154.D **Time Analyzed:** 20:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.628	4.828	502.490	500.000	0.5
Aroclor-1016-2	4.744	4.647	4.847	500.710	500.000	0.1
Aroclor-1016-3	4.919	4.821	5.021	514.870	500.000	3.0
Aroclor-1016-4	4.960	4.864	5.064	504.420	500.000	0.9
Aroclor-1016-5	5.172	5.076	5.276	522.500	500.000	4.5
Aroclor-1260-1	6.202	6.106	6.306	469.120	500.000	-6.2
Aroclor-1260-2	6.389	6.294	6.494	453.530	500.000	-9.3
Aroclor-1260-3	6.542	6.446	6.646	468.490	500.000	-6.3
Aroclor-1260-4	7.012	6.917	7.117	472.980	500.000	-5.4
Aroclor-1260-5	7.254	7.158	7.358	472.000	500.000	-5.6
Decachlorobiphenyl	8.636	8.541	8.741	52.610	50.000	5.2
Tetrachloro-m-xylene	3.648	3.548	3.748	51.260	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 15:33 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.01
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	7.99	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 15:33 **Initial Calibration Time(s):** 09:06 17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
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)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076540.D **Time Analyzed:** 15:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.791	5.695	5.895	489.750	500.000	-2.1
Aroclor-1016-2	5.813	5.717	5.917	496.120	500.000	-0.8
Aroclor-1016-3	5.876	5.780	5.980	491.300	500.000	-1.7
Aroclor-1016-4	5.973	5.877	6.077	498.060	500.000	-0.4
Aroclor-1016-5	6.265	6.169	6.369	475.460	500.000	-4.9
Aroclor-1260-1	7.383	7.287	7.487	524.740	500.000	4.9
Aroclor-1260-2	7.636	7.540	7.740	526.150	500.000	5.2
Aroclor-1260-3	7.994	7.899	8.099	541.370	500.000	8.3
Aroclor-1260-4	8.222	8.127	8.327	537.080	500.000	7.4
Aroclor-1260-5	8.547	8.452	8.652	489.240	500.000	-2.2
Decachlorobiphenyl	10.410	10.319	10.519	46.120	50.000	-7.8
Tetrachloro-m-xylene	4.639	4.542	4.742	49.110	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076540.D **Time Analyzed:** 15:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.871	4.778	4.978	507.140	500.000	1.4
Aroclor-1016-2	4.928	4.836	5.036	521.340	500.000	4.3
Aroclor-1016-3	5.048	4.954	5.154	484.200	500.000	-3.2
Aroclor-1016-4	5.088	4.996	5.196	525.010	500.000	5.0
Aroclor-1016-5	5.303	5.210	5.410	490.170	500.000	-2.0
Aroclor-1260-1	6.330	6.238	6.438	533.610	500.000	6.7
Aroclor-1260-2	6.518	6.425	6.625	515.420	500.000	3.1
Aroclor-1260-3	6.671	6.578	6.778	502.990	500.000	0.6
Aroclor-1260-4	7.139	7.047	7.247	512.210	500.000	2.4
Aroclor-1260-5	7.380	7.287	7.487	473.160	500.000	-5.4
Decachlorobiphenyl	8.772	8.682	8.882	42.800	50.000	-14.4
Tetrachloro-m-xylene	3.777	3.681	3.881	51.440	50.000	2.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 20:26 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.01
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	7.99	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

Continuing Calib Date: 11/17/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 20:26 **Initial Calibration Time(s):** 09:06 17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
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)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076555.D **Time Analyzed:** 20:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.791	5.695	5.895	483.500	500.000	-3.3
Aroclor-1016-2	5.812	5.717	5.917	501.210	500.000	0.2
Aroclor-1016-3	5.875	5.780	5.980	485.120	500.000	-3.0
Aroclor-1016-4	5.973	5.877	6.077	494.330	500.000	-1.1
Aroclor-1016-5	6.265	6.169	6.369	491.800	500.000	-1.6
Aroclor-1260-1	7.383	7.287	7.487	563.340	500.000	12.7
Aroclor-1260-2	7.636	7.540	7.740	510.020	500.000	2.0
Aroclor-1260-3	7.994	7.899	8.099	560.910	500.000	12.2
Aroclor-1260-4	8.221	8.127	8.327	511.620	500.000	2.3
Aroclor-1260-5	8.547	8.452	8.652	501.380	500.000	0.3
Decachlorobiphenyl	10.410	10.319	10.519	46.520	50.000	-7.0
Tetrachloro-m-xylene	4.639	4.542	4.742	50.780	50.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3649

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076555.D **Time Analyzed:** 20:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.870	4.778	4.978	527.910	500.000	5.6
Aroclor-1016-2	4.929	4.836	5.036	569.940	500.000	14.0
Aroclor-1016-3	5.047	4.954	5.154	546.760	500.000	9.4
Aroclor-1016-4	5.090	4.996	5.196	536.870	500.000	7.4
Aroclor-1016-5	5.303	5.210	5.410	512.750	500.000	2.6
Aroclor-1260-1	6.329	6.238	6.438	417.310	500.000	-16.5
Aroclor-1260-2	6.517	6.425	6.625	472.870	500.000	-5.4
Aroclor-1260-3	6.669	6.578	6.778	507.970	500.000	1.6
Aroclor-1260-4	7.139	7.047	7.247	471.800	500.000	-5.6
Aroclor-1260-5	7.379	7.287	7.487	462.940	500.000	-7.4
Decachlorobiphenyl	8.770	8.682	8.882	43.060	50.000	-13.9
Tetrachloro-m-xylene	3.776	3.681	3.881	53.220	50.000	6.4

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

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	11/04/2025	09:21	PO114870.D	9.93	4.35
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	9.93	4.35
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	9.93	4.35
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	9.93	4.35
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	9.93	4.35
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	9.93	4.35
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	9.93	4.35
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	9.93	4.35
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	9.93	4.35
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	9.93	4.35
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	9.93	4.35
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	9.93	4.35
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	9.93	4.35
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	9.93	4.35
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	9.93	4.35
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	9.93	4.35
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	9.93	4.35
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	9.93	4.35
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	9.93	4.35
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	9.93	4.35
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	9.93	4.35
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	9.93	4.35
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	9.93	4.35
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	9.95	4.37
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	9.93	4.35
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	9.93	4.35
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	9.93	4.35
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	9.93	4.35
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/17/2025	15:28	PO115139.D	9.93	4.35
I.BLK	I.BLK	11/17/2025	16:40	PO115143.D	9.93	4.35
B5-0.0-0.5-20251114	Q3649-01	11/17/2025	16:58	PO115144.D	9.93	4.35
DUPE-0.0-0.5-20251114	Q3649-03	11/17/2025	17:17	PO115145.D	9.93	4.35
B4-0.0-0.5-20251114	Q3649-06	11/17/2025	17:35	PO115146.D	9.93	4.35
B3-0.0-0.5-20251114	Q3649-08	11/17/2025	17:54	PO115147.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/17/2025	20:54	PO115154.D	9.93	4.35
I.BLK	I.BLK	11/17/2025	22:07	PO115158.D	9.93	4.35
I.BLK	I.BLK	10/21/2025	08:49	PP075887.D	10.42	4.64
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	10.42	4.65
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	10.42	4.64
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	10.42	4.64
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	10.42	4.65

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Analytical Sequence

AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	10.42	4.65
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	10.42	4.64
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	10.42	4.64
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	10.42	4.65
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	10.42	4.64
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	10.42	4.65
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	10.42	4.65
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	10.42	4.65
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	10.43	4.65
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	10.42	4.64
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	10.42	4.65
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	10.42	4.65
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	10.42	4.65
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	10.42	4.65
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	10.42	4.64
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	10.42	4.65
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	10.42	4.65
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	10.42	4.64
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	10.43	4.65
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	10.42	4.65
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	10.42	4.65
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	10.42	4.65
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	10.43	4.65
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	10.42	4.65
AR1660CCC500	AR1660CCC500	11/17/2025	15:33	PP076540.D	10.41	4.64
I.BLK	I.BLK	11/17/2025	16:38	PP076544.D	10.41	4.64
PB170574BL	PB170574BL	11/17/2025	17:43	PP076548.D	10.40	4.63
PB170574BS	PB170574BS	11/17/2025	18:00	PP076549.D	10.41	4.64
TR-05-111325MS	Q3641-01MS	11/17/2025	18:32	PP076551.D	10.40	4.64
TR-05-111325MSD	Q3641-01MSD	11/17/2025	18:48	PP076552.D	10.41	4.64
AR1660CCC500	AR1660CCC500	11/17/2025	20:26	PP076555.D	10.41	4.64
I.BLK	I.BLK	11/17/2025	21:31	PP076559.D	10.40	4.64

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

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	11/04/2025	09:21	PO114870.D	8.64	3.65
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	8.64	3.65
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	8.64	3.65
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	8.64	3.65
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	8.64	3.65
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	8.64	3.65
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	8.64	3.65
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	8.64	3.65
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	8.64	3.65
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	8.64	3.65
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	8.64	3.65
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	8.64	3.65
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	8.64	3.65
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	8.64	3.65
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	8.64	3.65
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	8.64	3.65
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	8.64	3.65
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	8.64	3.65
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	8.64	3.65
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	8.64	3.65
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	8.64	3.65
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	8.64	3.65
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	8.64	3.65
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	8.64	3.65
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	8.64	3.65
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	8.64	3.65
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	8.64	3.65
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	8.64	3.65
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/17/2025	15:28	PO115139.D	8.64	3.65
I.BLK	I.BLK	11/17/2025	16:40	PO115143.D	8.64	3.65
B5-0.0-0.5-20251114	Q3649-01	11/17/2025	16:58	PO115144.D	8.64	3.65
DUPE-0.0-0.5-20251114	Q3649-03	11/17/2025	17:17	PO115145.D	8.64	3.65
B4-0.0-0.5-20251114	Q3649-06	11/17/2025	17:35	PO115146.D	8.64	3.65
B3-0.0-0.5-20251114	Q3649-08	11/17/2025	17:54	PO115147.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/17/2025	20:54	PO115154.D	8.64	3.65
I.BLK	I.BLK	11/17/2025	22:07	PO115158.D	8.64	3.65
I.BLK	I.BLK	10/21/2025	08:49	PP075887.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	8.78	3.78
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	8.78	3.78
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	8.78	3.78
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	8.78	3.78

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Analytical Sequence

AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	8.78	3.78
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	8.78	3.78
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	8.78	3.78
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	8.78	3.78
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	8.79	3.78
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	8.78	3.78
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	8.78	3.78
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	8.78	3.78
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	8.78	3.78
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	8.78	3.78
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	8.78	3.78
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	8.78	3.78
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	8.79	3.79
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	8.78	3.78
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	8.78	3.78
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	8.79	3.79
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	8.79	3.78
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	8.78	3.78
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	8.79	3.79
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	8.79	3.79
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	8.79	3.79
AR1660CCC500	AR1660CCC500	11/17/2025	15:33	PP076540.D	8.77	3.78
I.BLK	I.BLK	11/17/2025	16:38	PP076544.D	8.77	3.78
PB170574BL	PB170574BL	11/17/2025	17:43	PP076548.D	8.77	3.77
PB170574BS	PB170574BS	11/17/2025	18:00	PP076549.D	8.77	3.78
TR-05-111325MS	Q3641-01MS	11/17/2025	18:32	PP076551.D	8.77	3.77
TR-05-111325MSD	Q3641-01MSD	11/17/2025	18:48	PP076552.D	8.77	3.78
AR1660CCC500	AR1660CCC500	11/17/2025	20:26	PP076555.D	8.77	3.78
I.BLK	I.BLK	11/17/2025	21:31	PP076559.D	8.77	3.77

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

DUPE-0.0-0.5-20251114

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab Sample ID: Q3649-03 Date(s) Analyzed: 11/17/2025 11/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO115145.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.071	7.021	7.121	13.4		
	2	7.321	7.271	7.371	16.2		
	3	7.681	7.631	7.731	5.52		
COLUMN 1	4	7.903	7.853	7.953	15.4		
	5	8.21	8.16	8.26	6.79	11.5	
	1	6.203	6.153	6.253	11.1		
	2	6.391	6.341	6.441	8.68		
	3	6.542	6.492	6.592	7.74		
	4	7.016	6.966	7.066	11.7		
COLUMN 2	5	7.254	7.204	7.304	8.81	9.60	18.01

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170574BS

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab Sample ID: PB170574BS Date(s) Analyzed: 11/17/2025 11/17/2025

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 PP076549.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.793	5.743	5.843	185		
	2	5.815	5.765	5.865	187		
	3	5.878	5.828	5.928	185		
COLUMN 1	4	5.974	5.924	6.024	187		
	5	6.267	6.217	6.317	179	185	
	1	4.871	4.821	4.921	180		
	2	4.93	4.88	4.98	177		
	3	5.05	5	5.1	151		
	4	5.091	5.041	5.141	171		
COLUMN 2	5	5.305	5.255	5.355	156	167	10.23
Aroclor-1260	1	7.385	7.335	7.435	209		
	2	7.638	7.588	7.688	205		
	3	7.996	7.946	8.046	176		
COLUMN 1	4	8.224	8.174	8.274	187		
	5	8.549	8.499	8.599	172	190	
	1	6.331	6.281	6.381	214		
	2	6.518	6.468	6.568	210		
	3	6.67	6.62	6.72	203		
	4	7.139	7.089	7.189	191		
COLUMN 2	5	7.38	7.33	7.43	179	200	5.13

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-05-111325MS

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3649
Lab Sample ID: Q3641-01MS
Date(s) Analyzed: 11/17/2025 11/17/2025
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 PP076551.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.787	5.737	5.837	207		
	2	5.808	5.758	5.858	212		
	3	5.871	5.821	5.921	204		
COLUMN 1	4	5.968	5.918	6.018	215		
	5	6.26	6.21	6.31	200	208	
	1	4.868	4.818	4.918	213		
	2	4.927	4.877	4.977	211		
	3	5.045	4.995	5.095	201		
	4	5.087	5.037	5.137	204		
COLUMN 2	5	5.301	5.251	5.351	265	219	5.15
Aroclor-1260	1	7.377	7.327	7.427	228		
	2	7.63	7.58	7.68	226		
	3	7.988	7.938	8.038	196		
COLUMN 1	4	8.215	8.165	8.265	216		
	5	8.541	8.491	8.591	188	211	
	1	6.327	6.277	6.377	214		
	2	6.514	6.464	6.564	223		
	3	6.665	6.615	6.715	224		
	4	7.135	7.085	7.185	211		
COLUMN 2	5	7.376	7.326	7.426	190	212	0.47

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-05-111325MSD

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab Sample ID: Q3641-01MSD | Date(s) Analyzed: 11/17/2025 11/17/2025

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 PP076552.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.788	5.738	5.838	198		
	2	5.81	5.76	5.86	202		
	3	5.872	5.822	5.922	195		
COLUMN 1	4	5.969	5.919	6.019	206		
	5	6.262	6.212	6.312	190	198	
	1	4.871	4.821	4.921	202		
	2	4.928	4.878	4.978	199		
	3	5.048	4.998	5.098	190		
	4	5.09	5.04	5.14	201		
COLUMN 2	5	5.303	5.253	5.353	206	199	0.5
Aroclor-1260	1	7.379	7.329	7.429	222		
	2	7.632	7.582	7.682	219		
	3	7.991	7.941	8.041	188		
COLUMN 1	4	8.217	8.167	8.267	203		
	5	8.543	8.493	8.593	180	202	
	1	6.33	6.28	6.38	204		
	2	6.517	6.467	6.567	220		
	3	6.67	6.62	6.72	209		
	4	7.139	7.089	7.189	194		
COLUMN 2	5	7.38	7.33	7.43	174	200	1

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 16:58
Operator : YP/AJ
Sample : Q3649-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B5-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:38:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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...	4.347	3.648	157.0E6	101.2E6	22.308	22.664
2)	SA Decachlor...	9.929	8.638	88453187	81446171	20.011m	20.863
	Target Compounds						

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

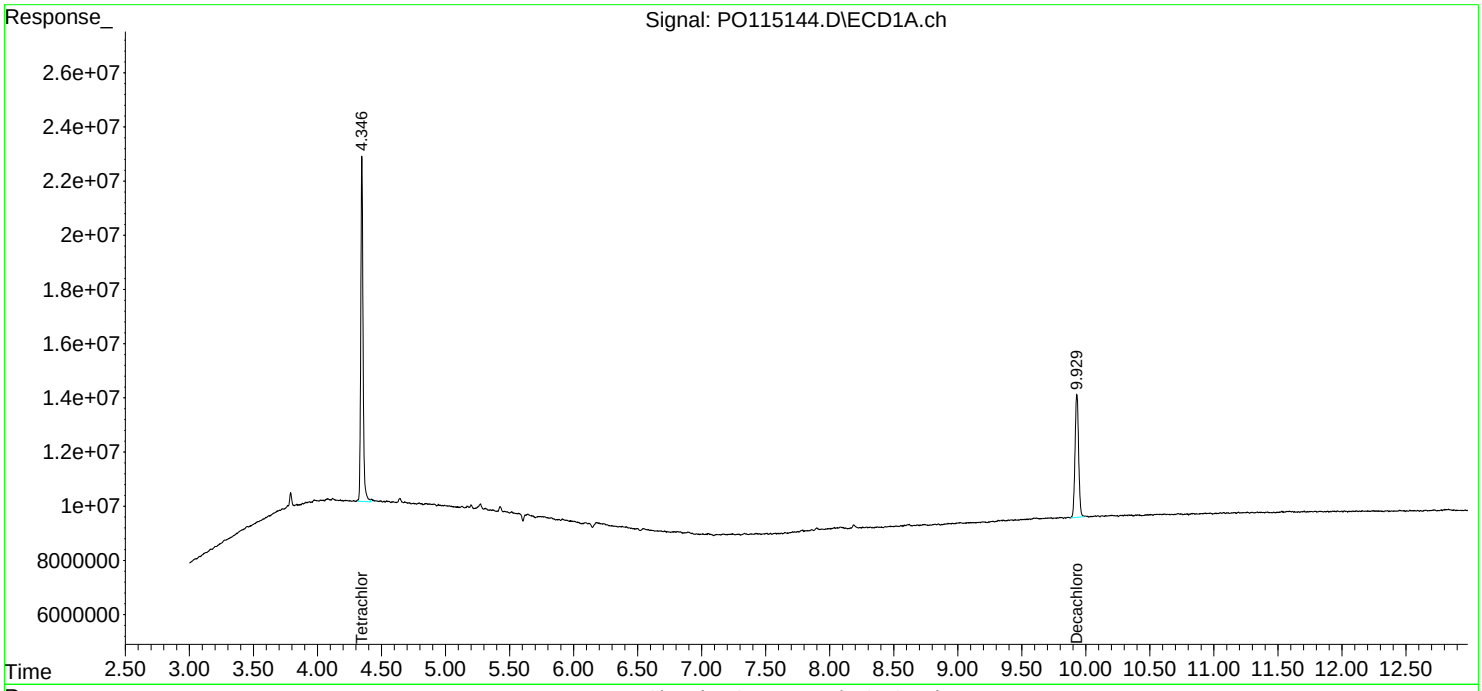
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 16:58
Operator : YP/AJ
Sample : Q3649-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

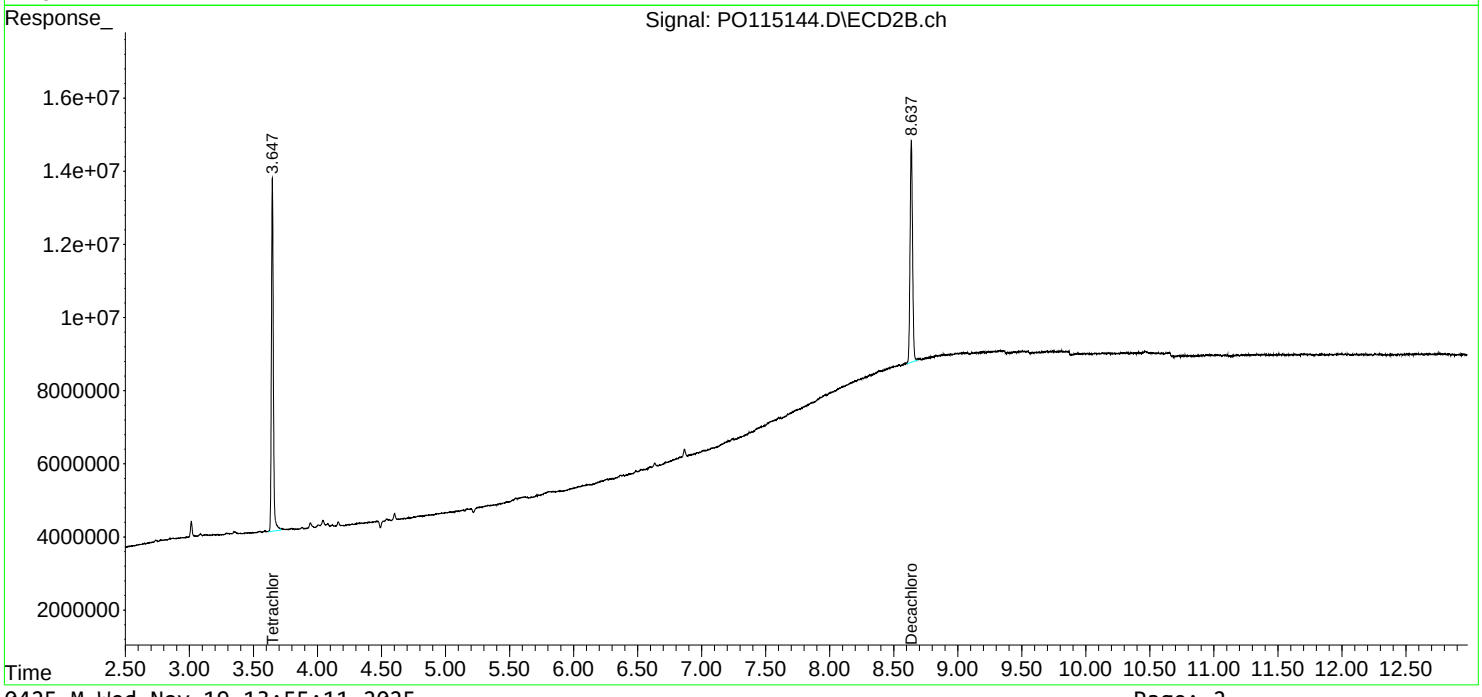
Instrument :
ECD_O
ClientSampleId :
B5-0.0-0.5-20251114

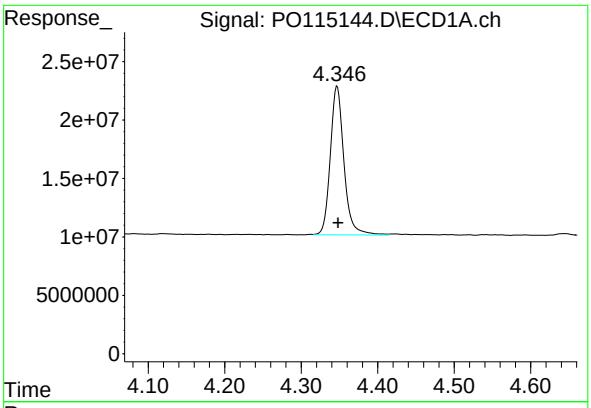
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:38:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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







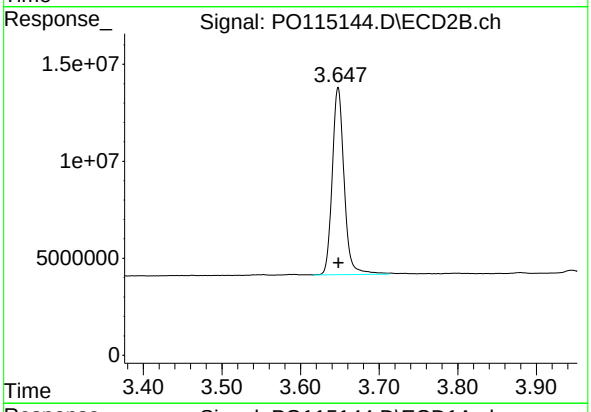
#1 Tetrachloro-m-xylene

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 157006285
Conc: 22.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
B5-0.0-0.5-20251114

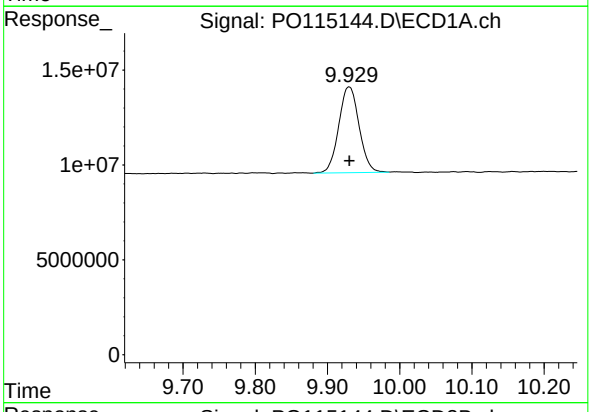
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



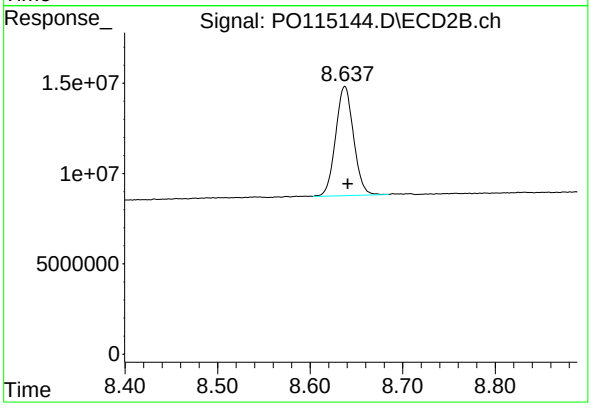
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 101237165
Conc: 22.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.929 min
Delta R.T.: 0.000 min
Response: 88453187
Conc: 20.01 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: -0.003 min
Response: 81446171
Conc: 20.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:17
Operator : YP/AJ
Sample : Q3649-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:38:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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...	4.347	3.648	146.8E6	94273635	20.863	21.106
2)	SA Decachlor...	9.929	8.638	75421189	72606585	17.063m	18.599
	Target Compounds						
31)	L7 AR-1260-1	7.071	6.203	10671197	8563225	34.915	28.919m
32)	L7 AR-1260-2	7.321	6.391	16686820	9714164	42.152	22.589 #
33)	L7 AR-1260-3	7.681	6.542	4765747	7072899	14.363	20.142 #
34)	L7 AR-1260-4	7.903	7.016	12229882	9249225	40.095m	30.523
35)	L7 AR-1260-5	8.210	7.254	12592051	18838134	17.655	22.928 #

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

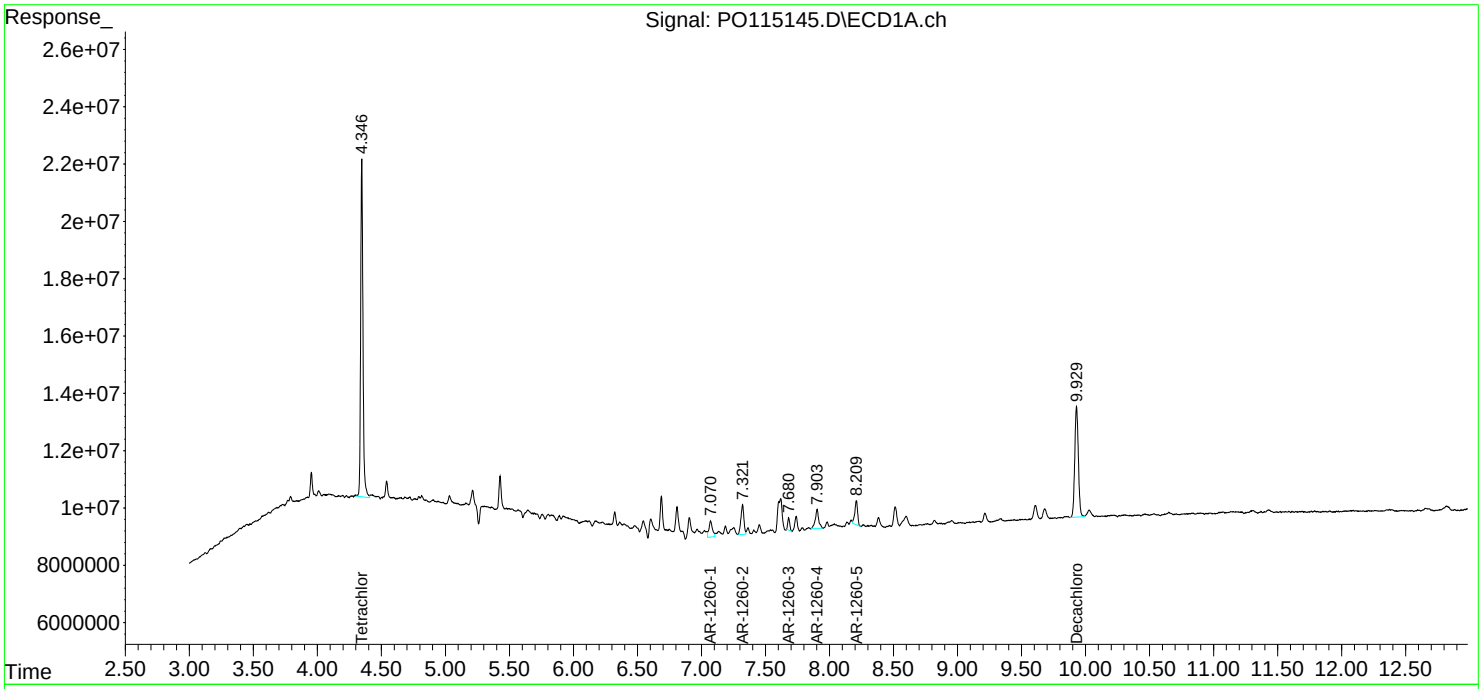
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:17
Operator : YP/AJ
Sample : Q3649-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

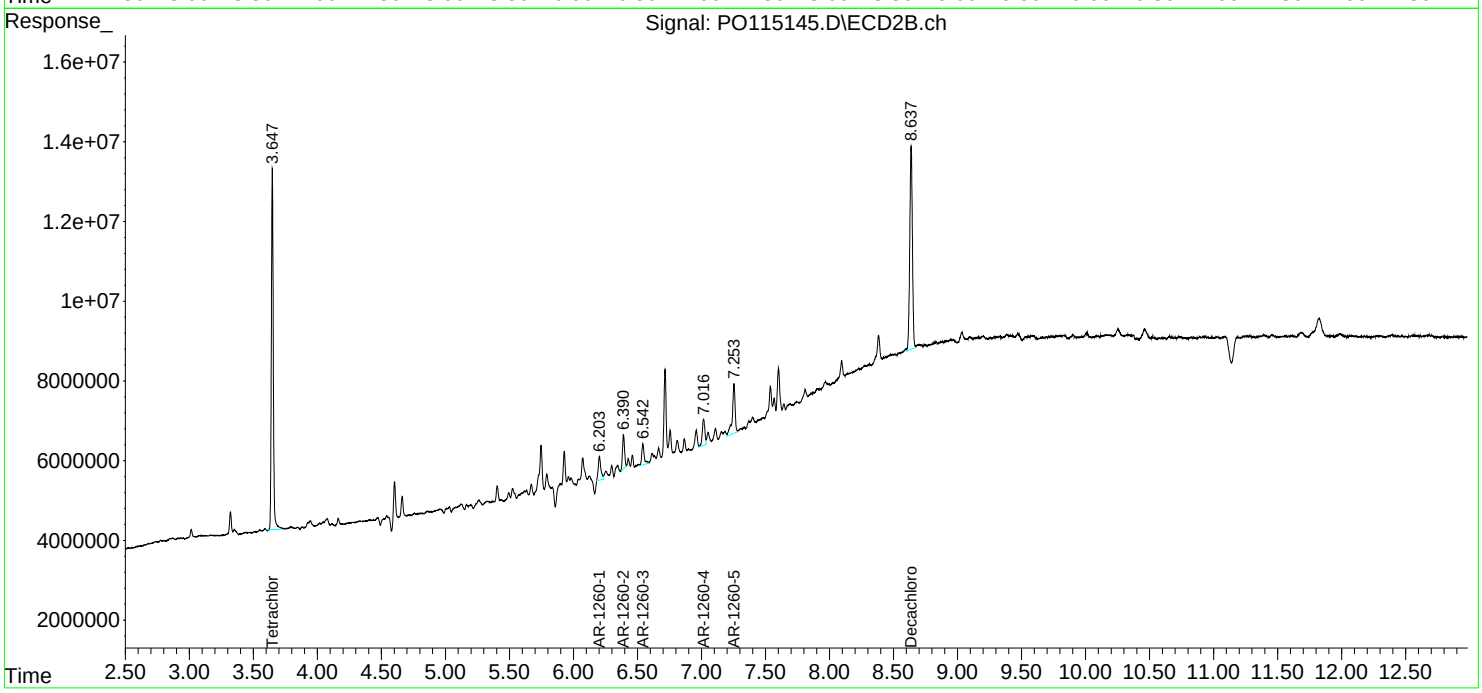
Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

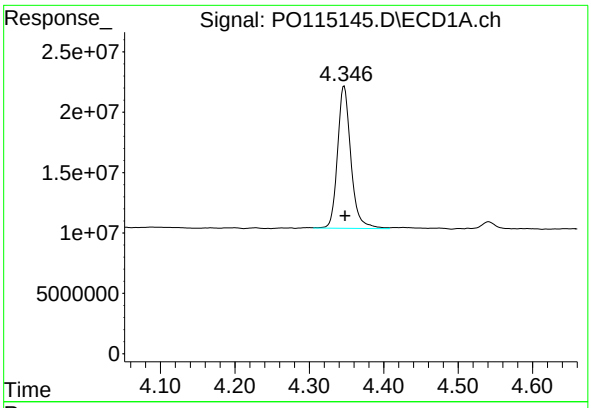
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:38:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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







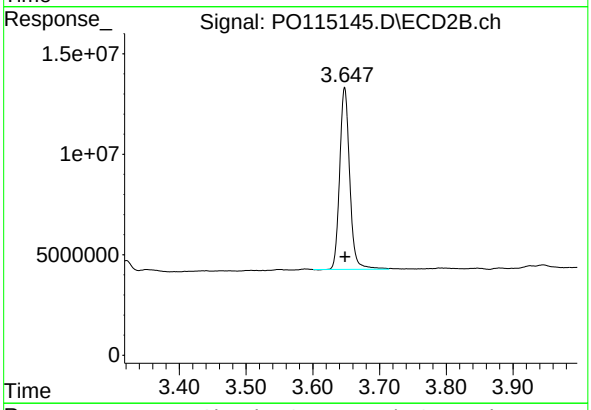
#1 Tetrachloro-m-xylene

R.T.: 4.347 min
Delta R.T.: -0.001 min
Response: 146836434
Conc: 20.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

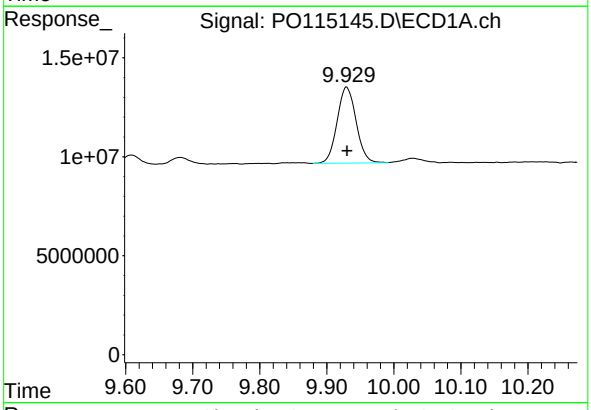
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



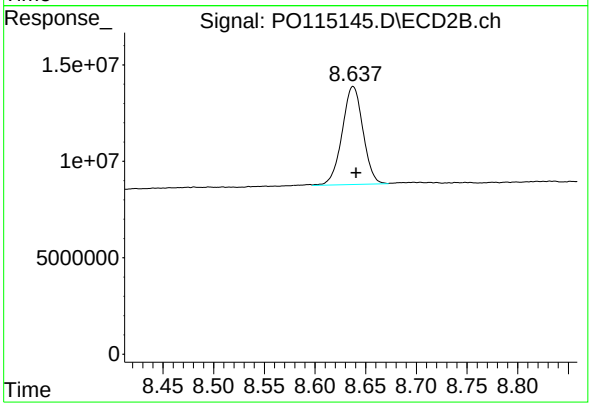
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 94273635
Conc: 21.11 ng/ml



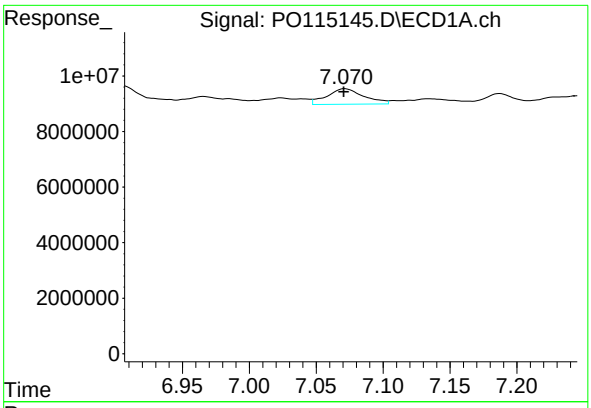
#2 Decachlorobiphenyl

R.T.: 9.929 min
Delta R.T.: -0.001 min
Response: 75421189
Conc: 17.06 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: -0.003 min
Response: 72606585
Conc: 18.60 ng/ml



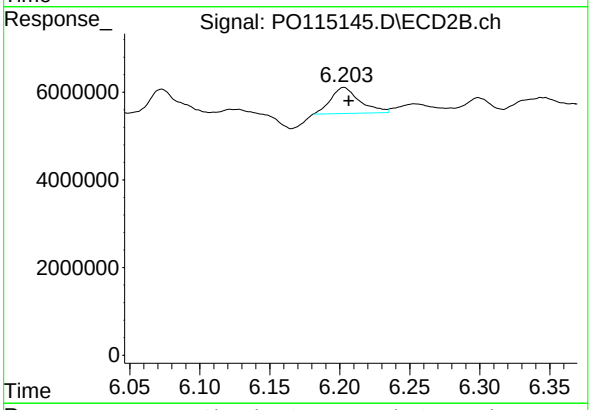
#31 AR-1260-1

R.T.: 7.071 min
Delta R.T.: 0.000 min
Response: 10671197
Conc: 34.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

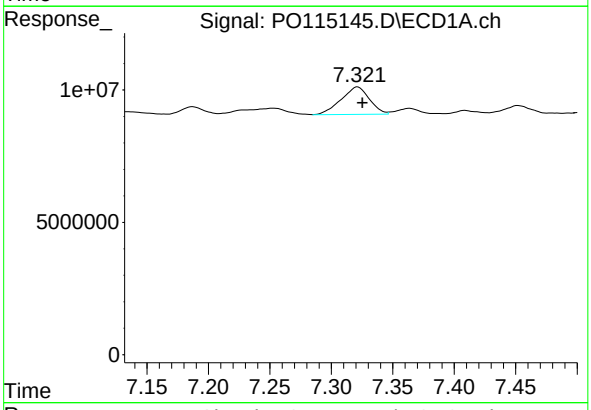
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



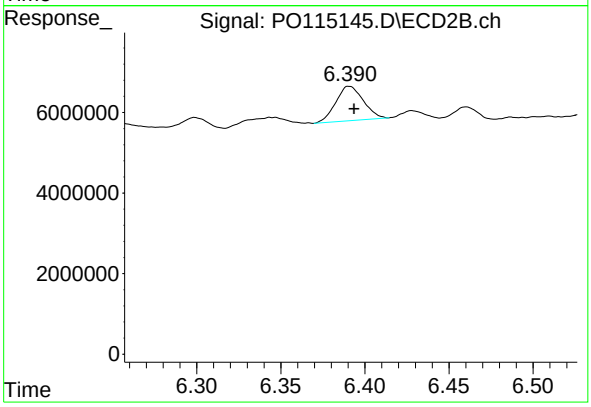
#31 AR-1260-1

R.T.: 6.203 min
Delta R.T.: -0.003 min
Response: 8563225
Conc: 28.92 ng/ml m



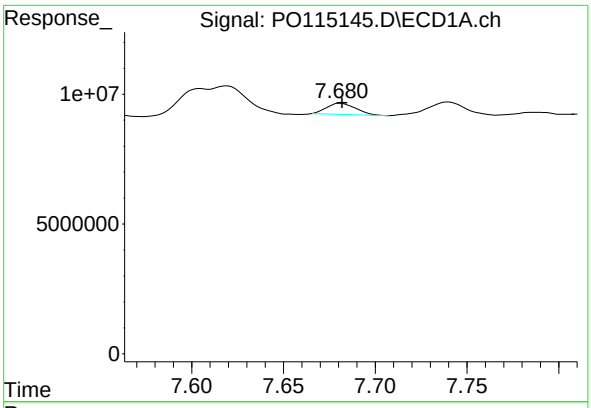
#32 AR-1260-2

R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 16686820
Conc: 42.15 ng/ml



#32 AR-1260-2

R.T.: 6.391 min
Delta R.T.: -0.003 min
Response: 9714164
Conc: 22.59 ng/ml



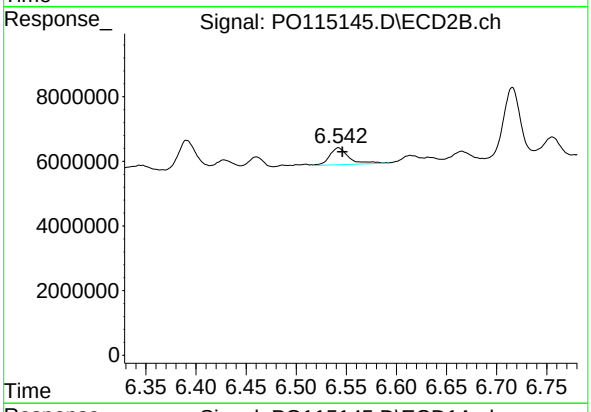
#33 AR-1260-3

R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 4765747
Conc: 14.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

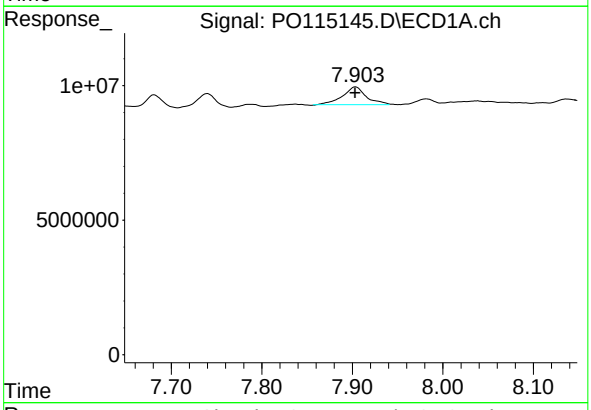
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



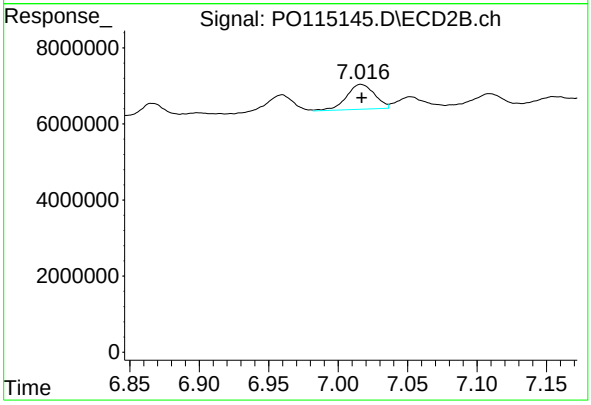
#33 AR-1260-3

R.T.: 6.542 min
Delta R.T.: -0.004 min
Response: 7072899
Conc: 20.14 ng/ml



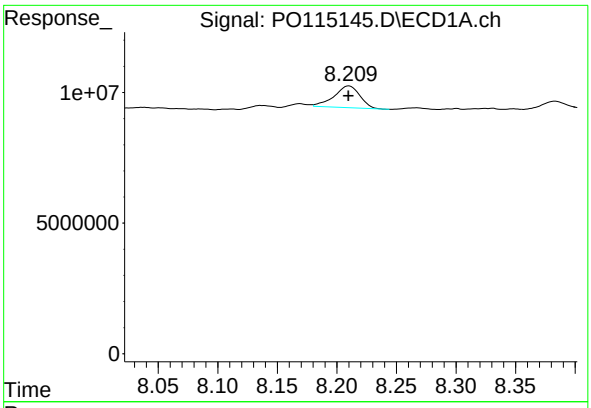
#34 AR-1260-4

R.T.: 7.903 min
Delta R.T.: 0.000 min
Response: 12229882
Conc: 40.10 ng/ml m



#34 AR-1260-4

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 9249225
Conc: 30.52 ng/ml



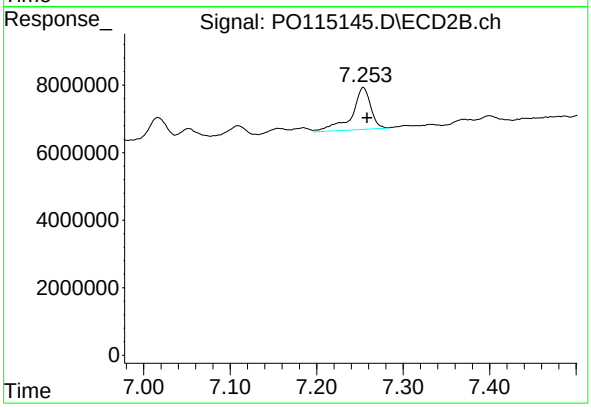
#35 AR-1260-5

R.T.: 8.210 min
Delta R.T.: 0.000 min
Response: 12592051
Conc: 17.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#35 AR-1260-5

R.T.: 7.254 min
Delta R.T.: -0.004 min
Response: 18838134
Conc: 22.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:35
Operator : YP/AJ
Sample : Q3649-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B4-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:39:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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...	4.347	3.647	152.1E6	97667617	21.616	21.865
2)	SA Decachlor...	9.930	8.638	86798819	80150134	19.637m	20.531
	Target Compounds						

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

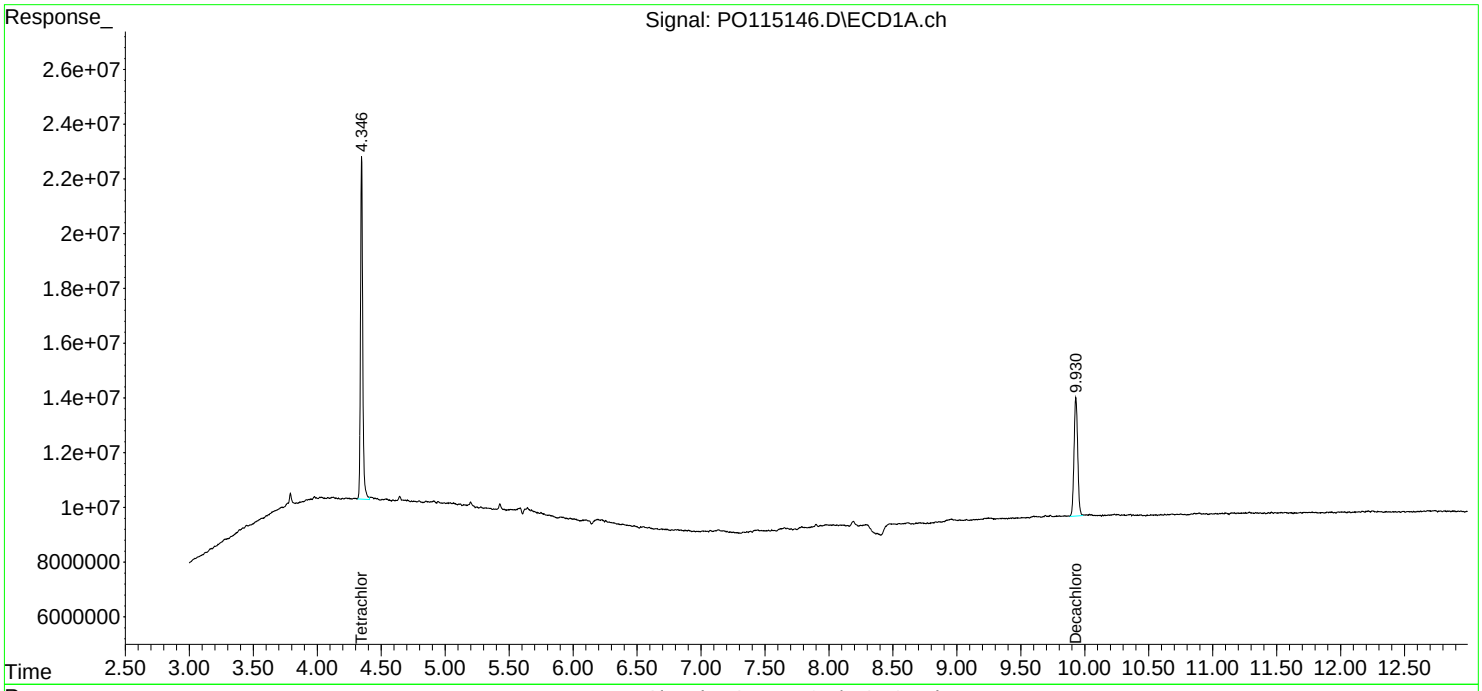
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:35
Operator : YP/AJ
Sample : Q3649-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

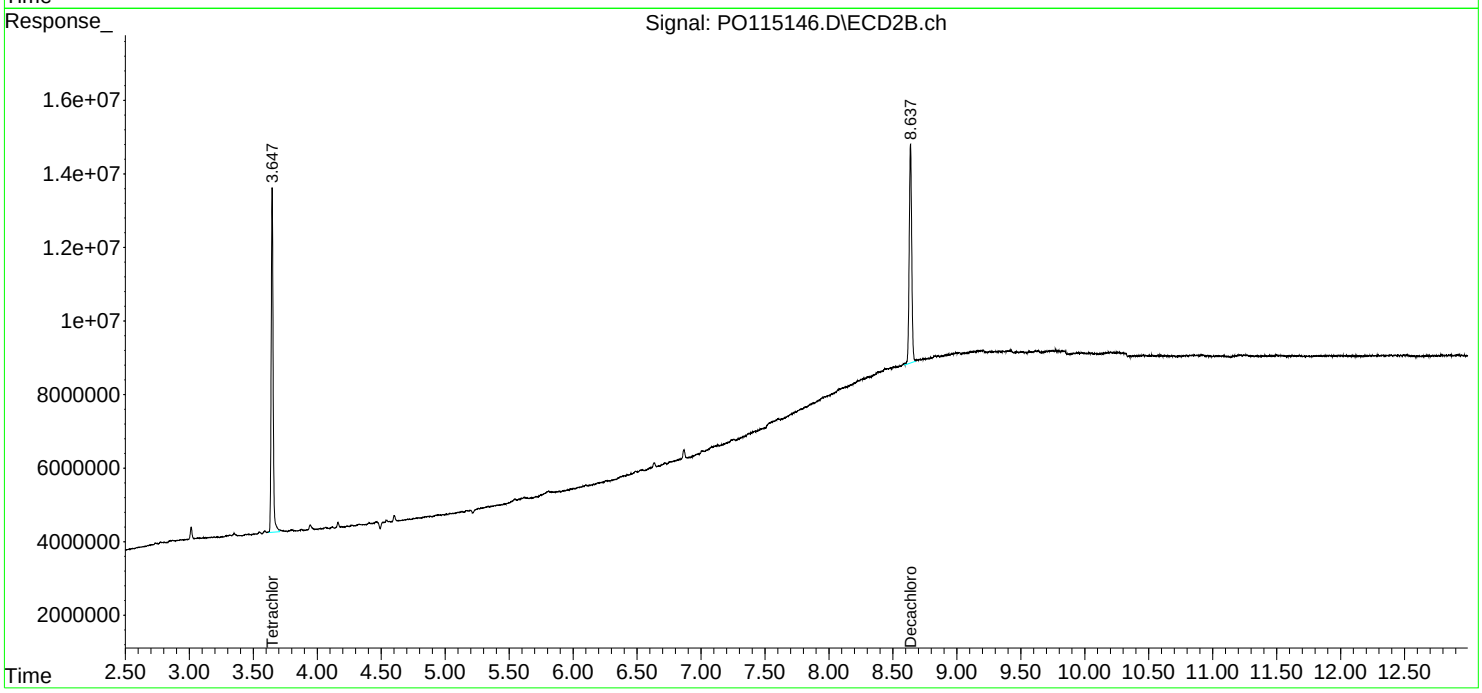
Instrument :
ECD_O
ClientSampleId :
B4-0.0-0.5-20251114

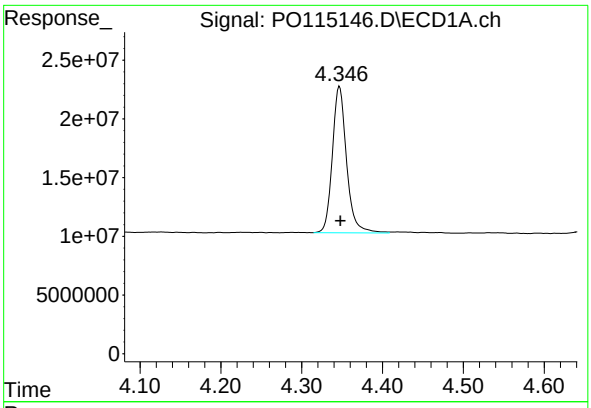
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:39:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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







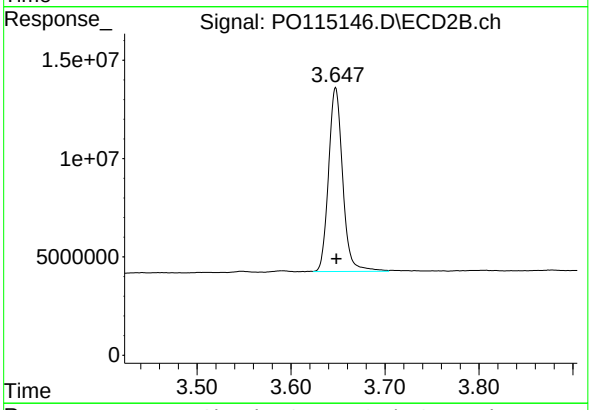
#1 Tetrachloro-m-xylene

R.T.: 4.347 min
Delta R.T.: -0.001 min
Response: 152135796
Conc: 21.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
B4-0.0-0.5-20251114

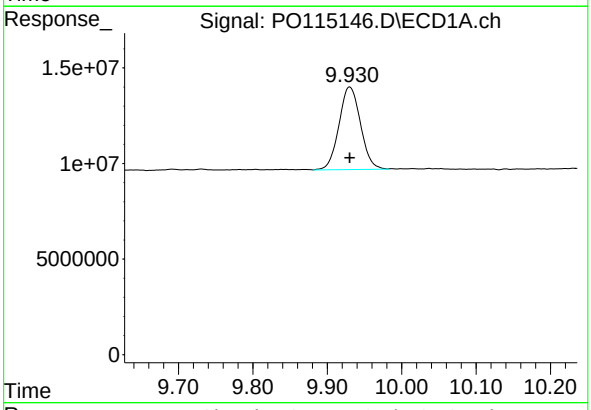
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



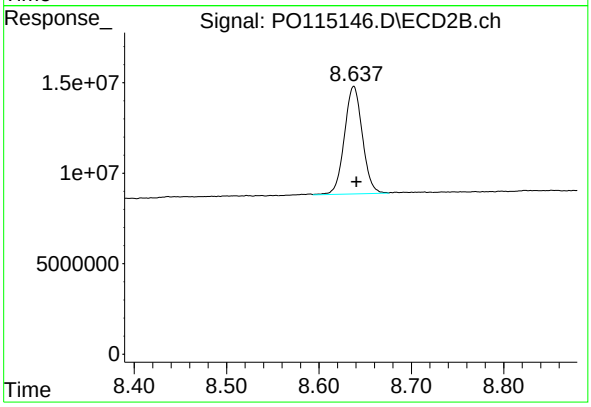
#1 Tetrachloro-m-xylene

R.T.: 3.647 min
Delta R.T.: 0.000 min
Response: 97667617
Conc: 21.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.930 min
Delta R.T.: 0.000 min
Response: 86798819
Conc: 19.64 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: -0.003 min
Response: 80150134
Conc: 20.53 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:54
Operator : YP/AJ
Sample : Q3649-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B3-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:39:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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...	4.346	3.647	154.4E6	103.9E6	21.944m	23.262
2)	SA Decachlor...	9.929	8.638	100.5E6	91147920	22.745m	23.348
	Target Compounds						

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

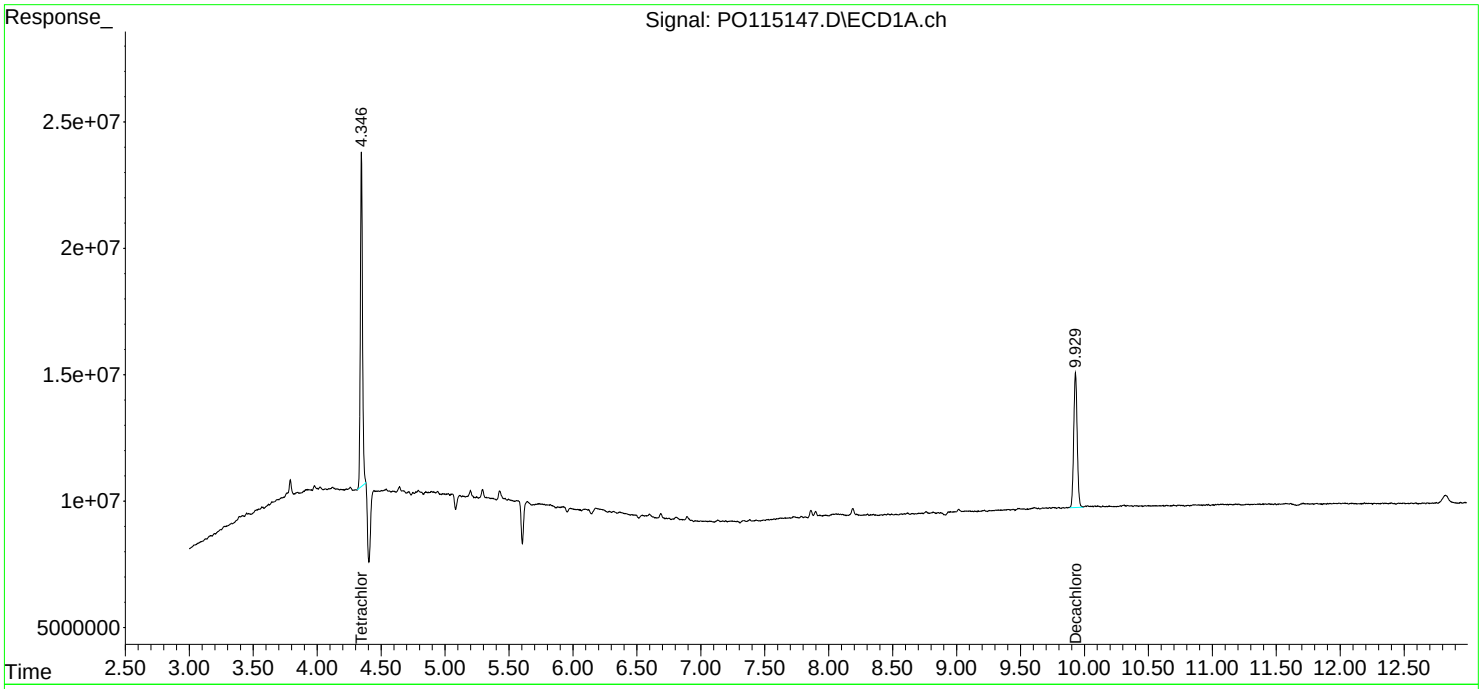
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111725\
Data File : PO115147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:54
Operator : YP/AJ
Sample : Q3649-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

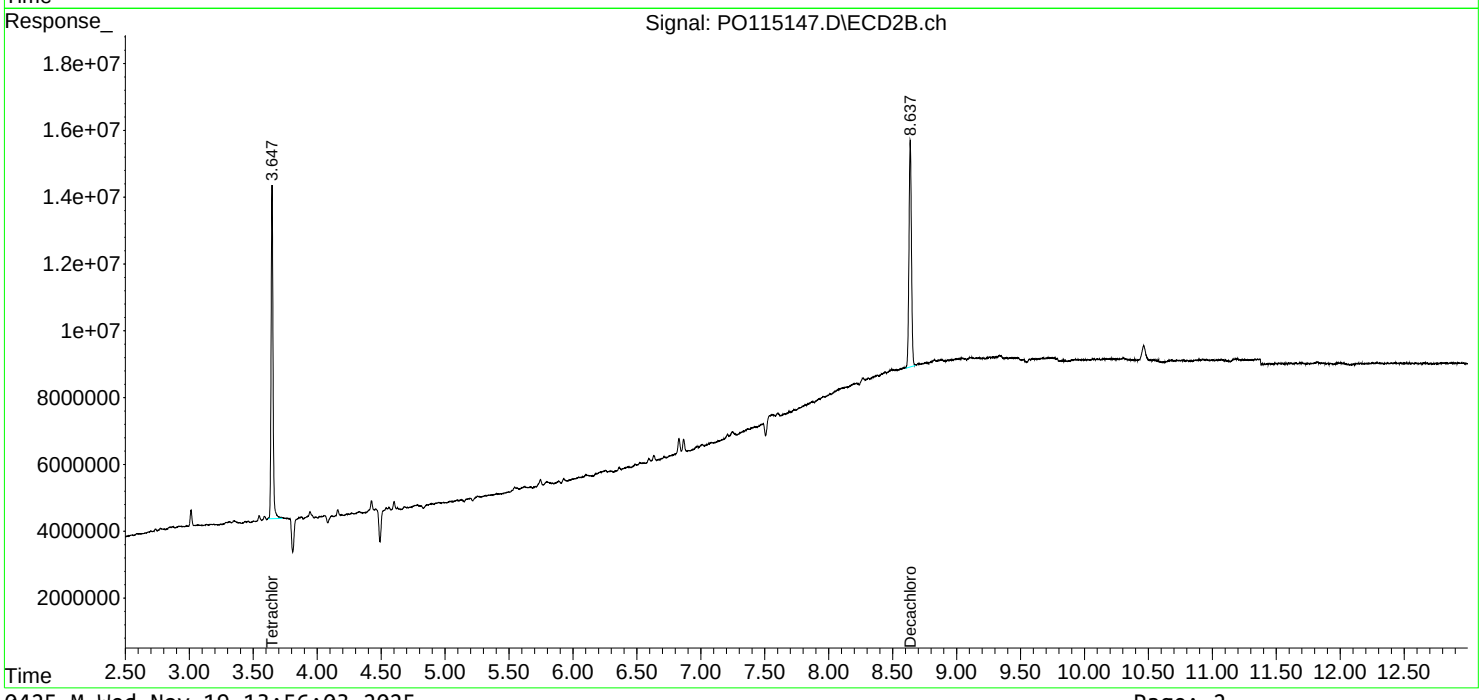
Instrument :
ECD_O
ClientSampleId :
B3-0.0-0.5-20251114

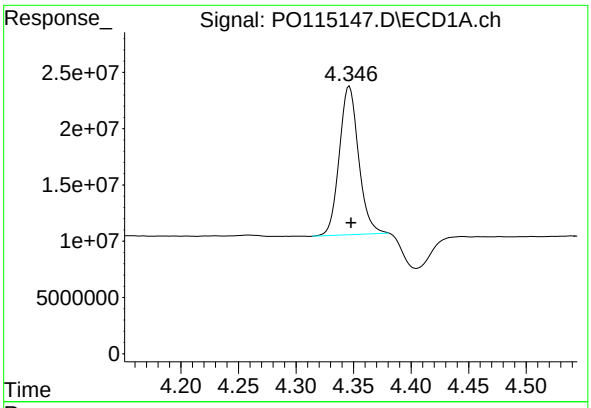
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:39:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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







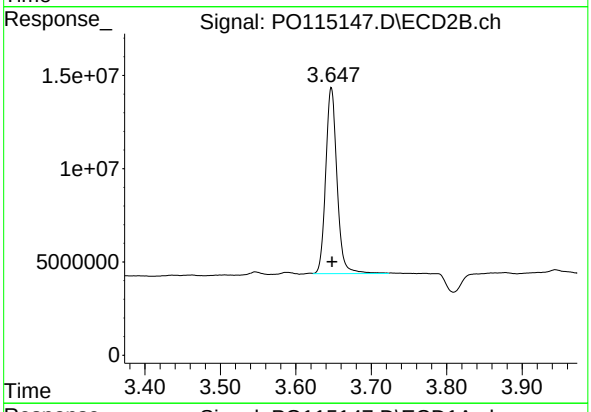
#1 Tetrachloro-m-xylene

R.T.: 4.346 min
Delta R.T.: -0.002 min
Response: 154442394
Conc: 21.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
B3-0.0-0.5-20251114

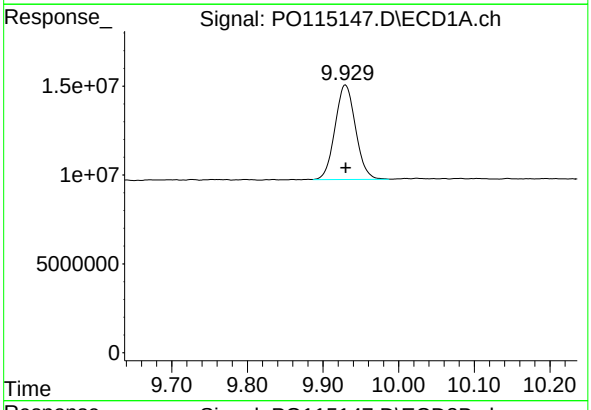
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



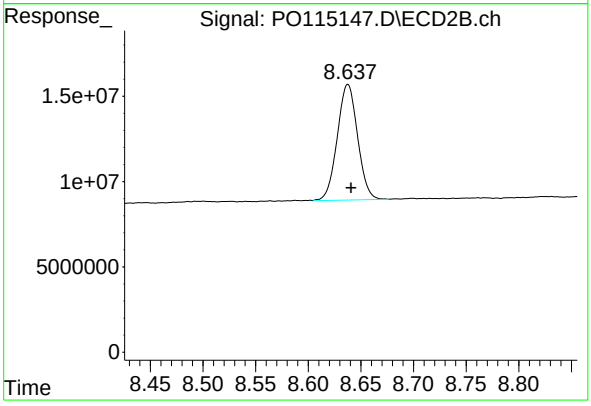
#1 Tetrachloro-m-xylene

R.T.: 3.647 min
Delta R.T.: -0.001 min
Response: 103908019
Conc: 23.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.929 min
Delta R.T.: -0.001 min
Response: 100539228
Conc: 22.75 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: -0.003 min
Response: 91147920
Conc: 23.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:43
Operator : YP\AJ
Sample : PB170574BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170574BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.634	3.773	39466960	173.5E6	27.617	26.217
2)	SA Decachlor...	10.404	8.768	28927477	193.7E6	26.871	23.557
	Target Compounds						

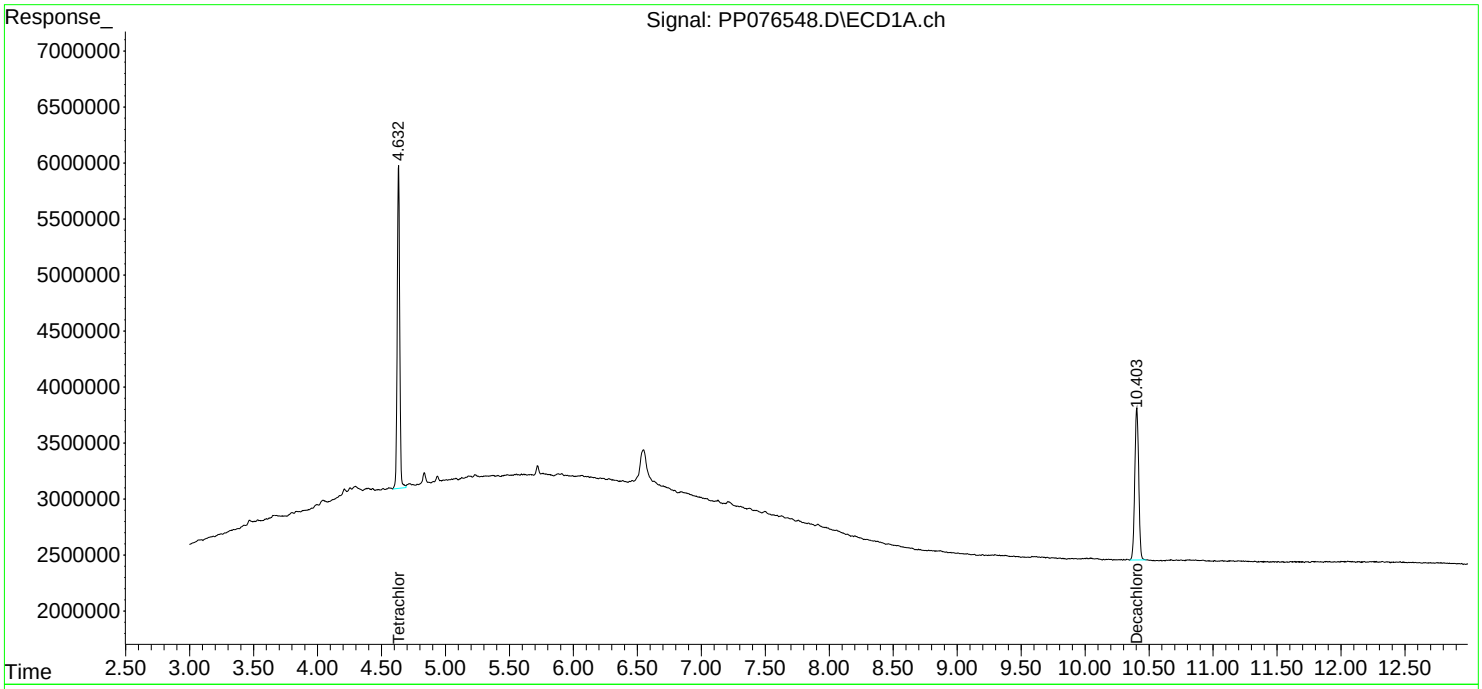
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

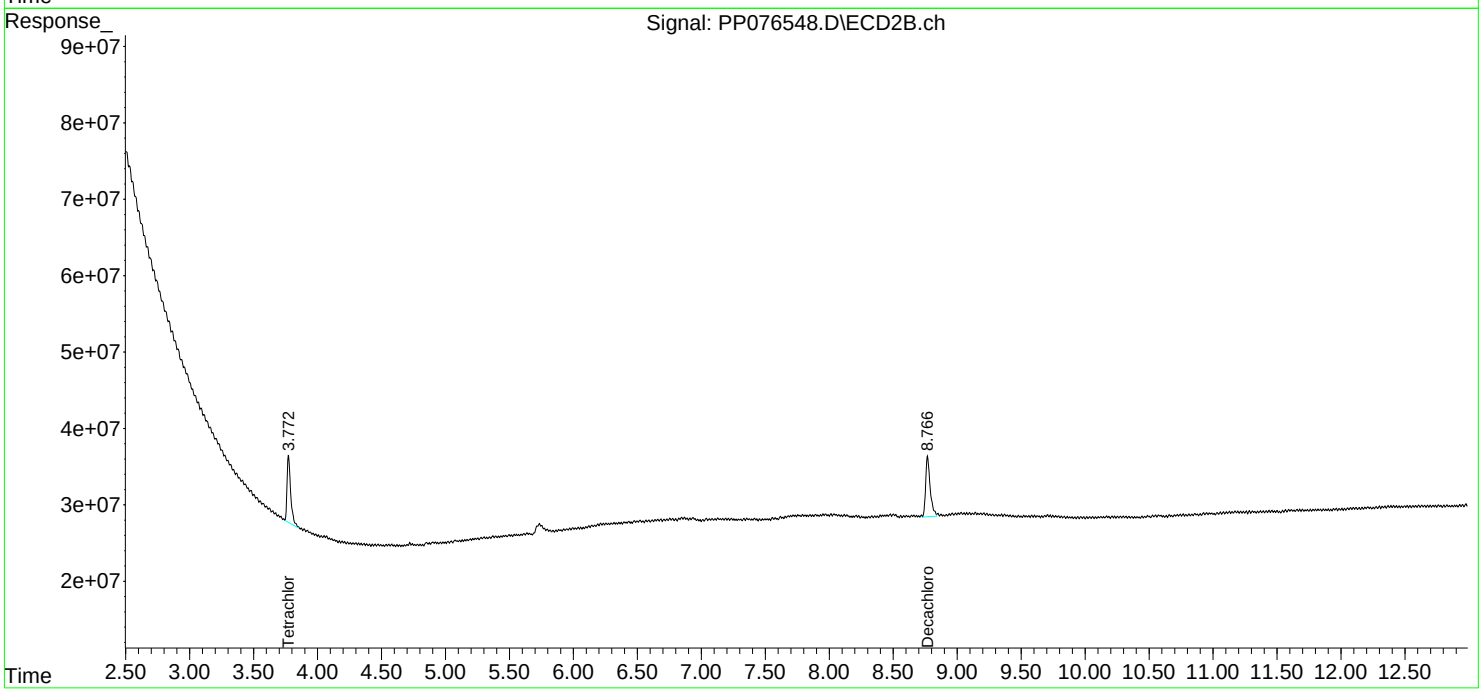
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 17:43
Operator : YP\AJ
Sample : PB170574BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

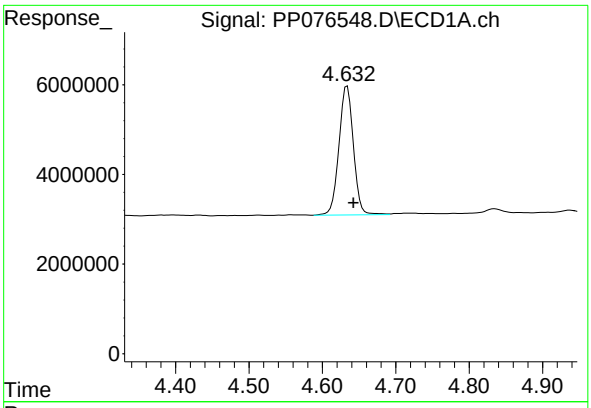
Instrument :
ECD_P
ClientSampleId :
PB170574BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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



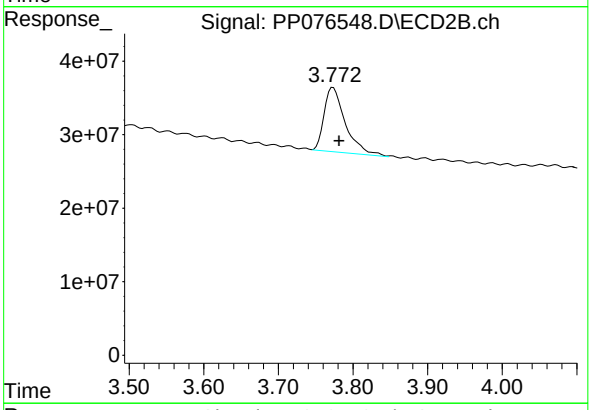




#1 Tetrachloro-m-xylene

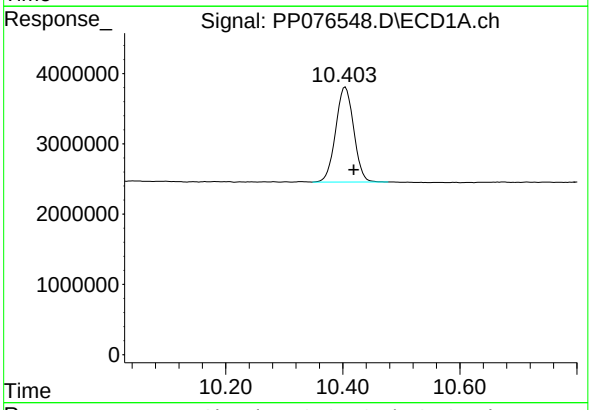
R.T.: 4.634 min
Delta R.T.: -0.008 min
Response: 39466960
Conc: 27.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170574BL



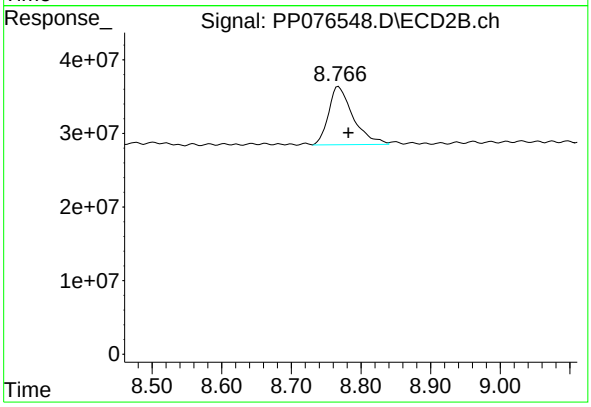
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.008 min
Response: 173509192
Conc: 26.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.404 min
Delta R.T.: -0.014 min
Response: 28927477
Conc: 26.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: -0.014 min
Response: 193712779
Conc: 23.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:00
Operator : YP\AJ
Sample : PB170574BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170574BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.641	3.777	42885765	190.9E6	30.009	28.852
2)	SA Decachlor...	10.412	8.771	30618795	220.5E6	28.442	26.816
	Target Compounds						
3)	L1 AR-1016-1	5.793	4.871	32825748	400.5E6	555.182	541.065
4)	L1 AR-1016-2	5.815	4.930	49793604	181.7E6	562.995	531.526
5)	L1 AR-1016-3	5.878	5.050	30674111	93159400	554.174	453.678
6)	L1 AR-1016-4	5.974	5.091	25522499	95728004	561.672	512.228
7)	L1 AR-1016-5	6.267	5.305	23325819	106.6E6	537.393	467.456
31)	L7 AR-1260-1	7.385	6.331	43111303	352.7E6	627.013	643.926
32)	L7 AR-1260-2	7.638	6.518	55143940	514.4E6	615.602	632.091
33)	L7 AR-1260-3	7.996	6.670	36639755	343.3E6	528.815	610.069
34)	L7 AR-1260-4	8.224	7.139	38505212	297.7E6	561.535	573.248
35)	L7 AR-1260-5	8.549	7.380	76252937	727.2E6	515.391	536.491

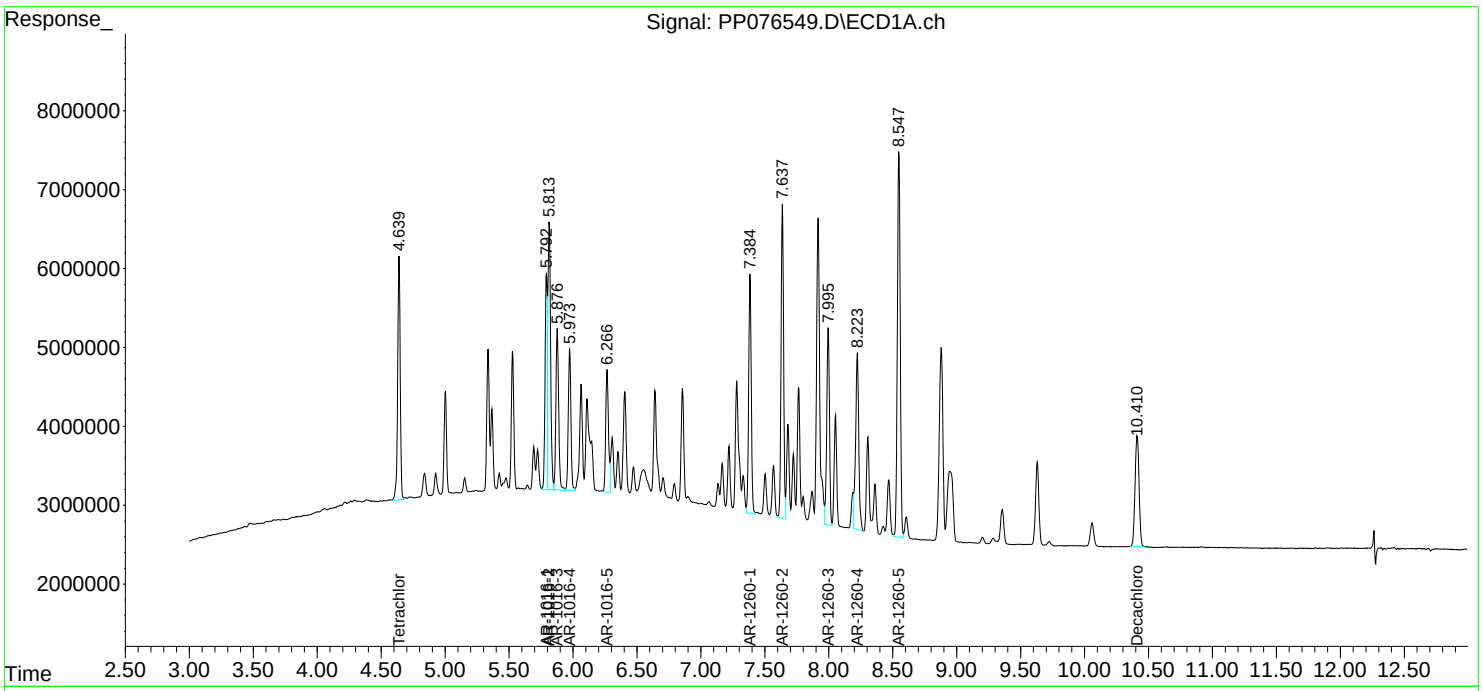
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

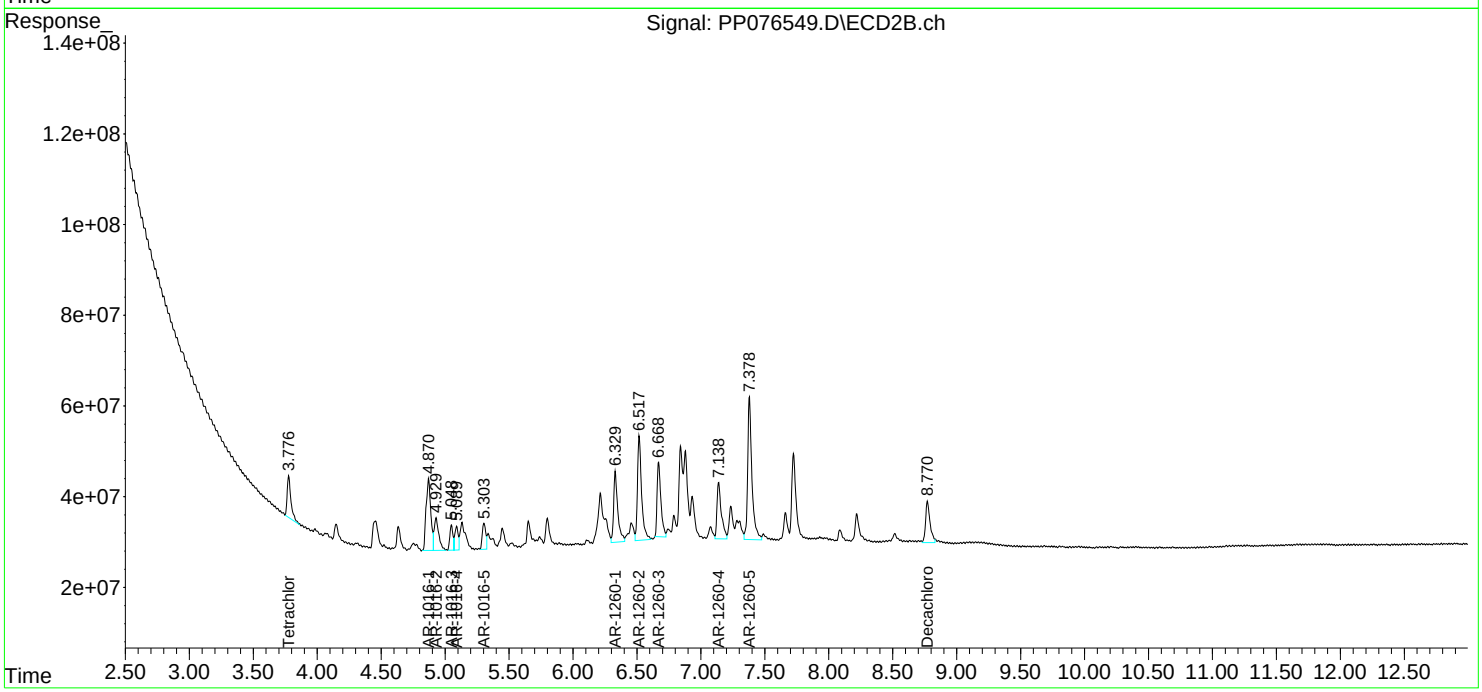
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:00
Operator : YP\AJ
Sample : PB170574BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170574BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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\PP111725\
Data File : PP076551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:32
Operator : YP\AJ
Sample : Q3641-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TR-05-111325MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.636	3.773	46890834	210.5E6	32.812	31.812
2)	SA Decachlor...	10.402	8.769	30889733	211.3E6	28.694	25.701
	Target Compounds						
3)	L1 AR-1016-1	5.787	4.868	34540466	446.1E6	584.183	602.745
4)	L1 AR-1016-2	5.808	4.927	53159508	203.7E6	601.052	595.693
5)	L1 AR-1016-3	5.871	5.045	31906036	116.7E6	576.431	568.513
6)	L1 AR-1016-4	5.968	5.087	27669322	108.1E6	608.917	578.268
7)	L1 AR-1016-5	6.260	5.301	24570754	170.8E6	566.074	749.261 #
31)	L7 AR-1260-1	7.377	6.327	44409136	331.1E6	645.889	604.606
32)	L7 AR-1260-2	7.630	6.514	57332073	513.2E6	640.029	630.709
33)	L7 AR-1260-3	7.988	6.665	38499177	356.7E6	555.651	633.904m
34)	L7 AR-1260-4	8.215	7.135	41875127	310.0E6	610.679m	596.882
35)	L7 AR-1260-5	8.541	7.376	78588018	726.7E6	531.174	536.055

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

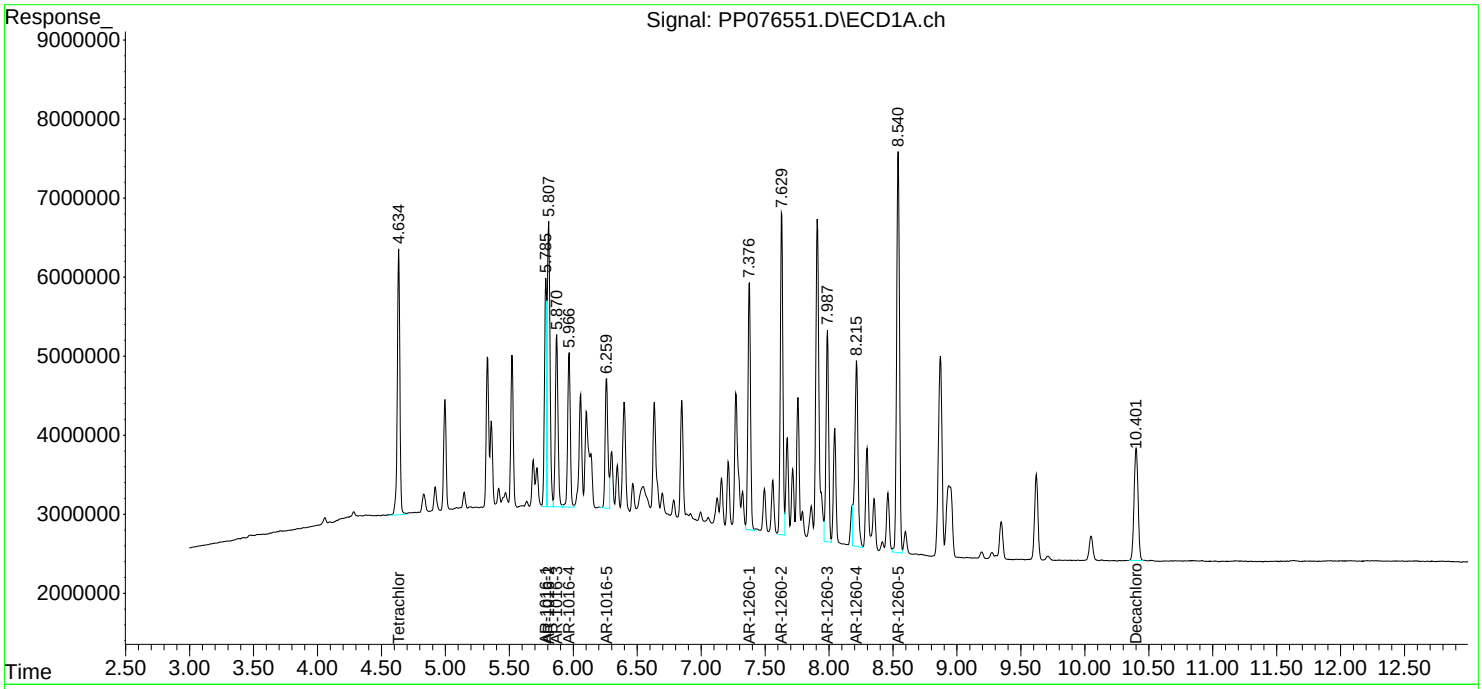
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:32
Operator : YP\AJ
Sample : Q3641-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

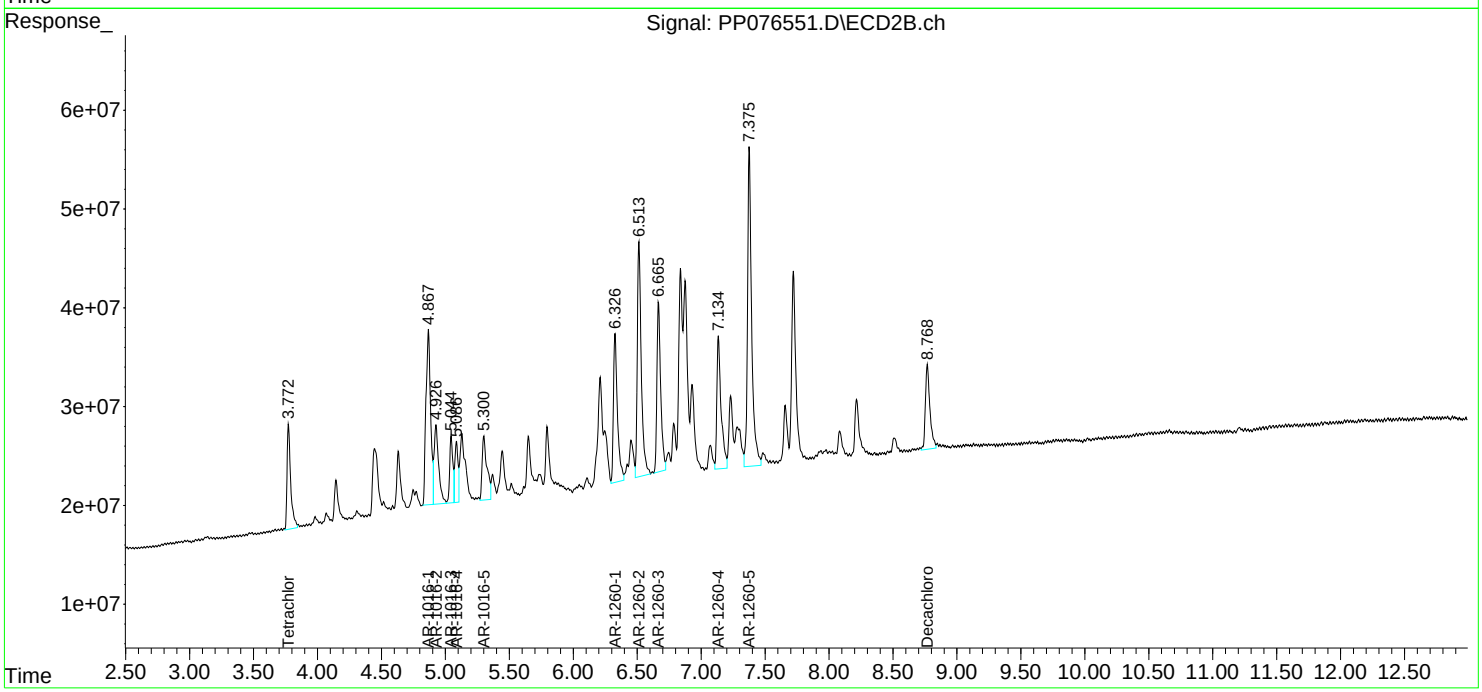
Instrument :
ECD_P
ClientSampleId :
TR-05-111325MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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\PP111725\
Data File : PP076552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:48
Operator : YP\AJ
Sample : Q3641-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TR-05-111325MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.635	3.777	45684536	201.6E6	31.968	30.462
2)	SA Decachlor...	10.406	8.772	29758720	199.3E6	27.643	24.242
	Target Compounds						
3)	L1 AR-1016-1	5.788	4.871	33143438	423.2E6	560.555	571.742
4)	L1 AR-1016-2	5.810	4.928	50582341	192.2E6	571.913	562.112
5)	L1 AR-1016-3	5.872	5.048	30561673	110.6E6	552.143	538.372
6)	L1 AR-1016-4	5.969	5.090	26493861	106.2E6	583.049	568.443
7)	L1 AR-1016-5	6.262	5.303	23386361	132.7E6	538.788	582.218
31)	L7 AR-1260-1	7.379	6.330	43142595	316.9E6	627.468	578.535
32)	L7 AR-1260-2	7.632	6.517	55445797	505.6E6	618.972	621.312
33)	L7 AR-1260-3	7.991	6.670	36804585	332.6E6	531.194	590.994
34)	L7 AR-1260-4	8.217	7.139	39353453	284.5E6	573.905m	547.871
35)	L7 AR-1260-5	8.543	7.380	75425507	668.1E6	509.798	492.859

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

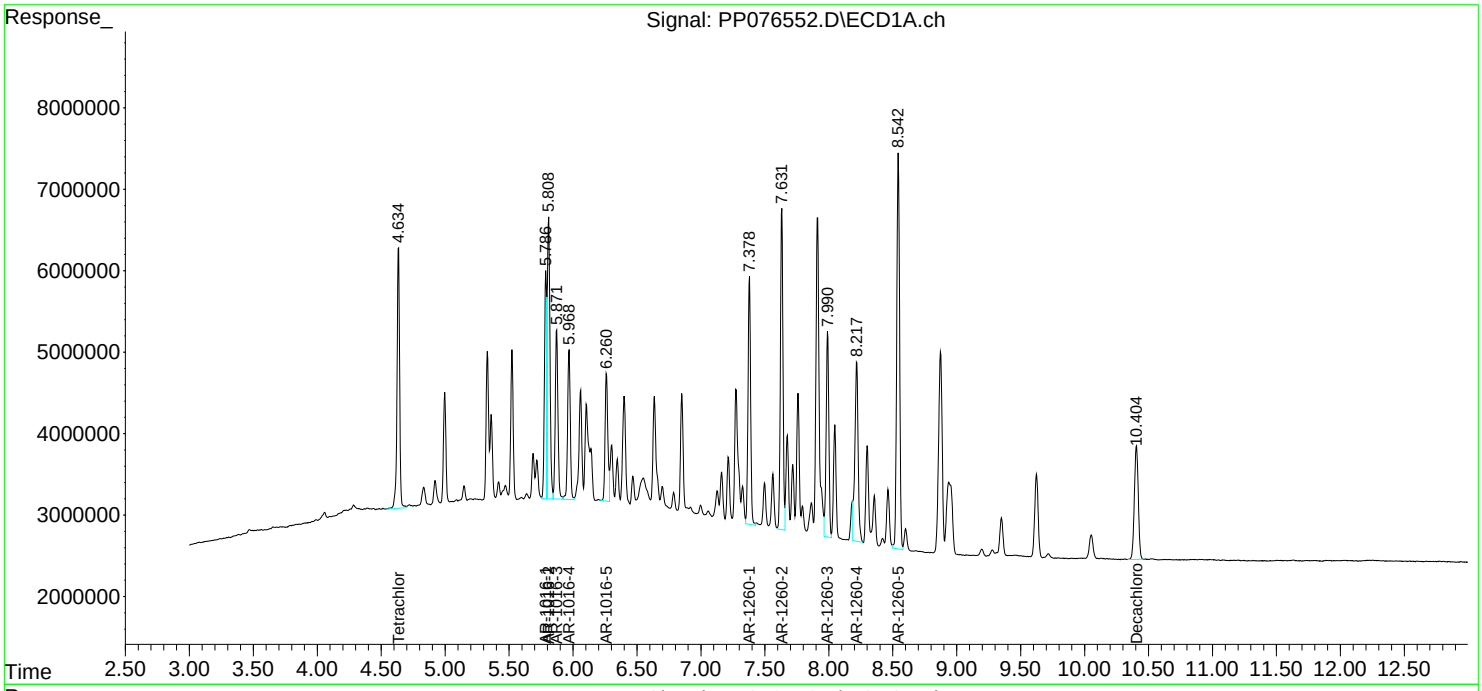
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP111725\
Data File : PP076552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Nov 2025 18:48
Operator : YP\AJ
Sample : Q3641-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

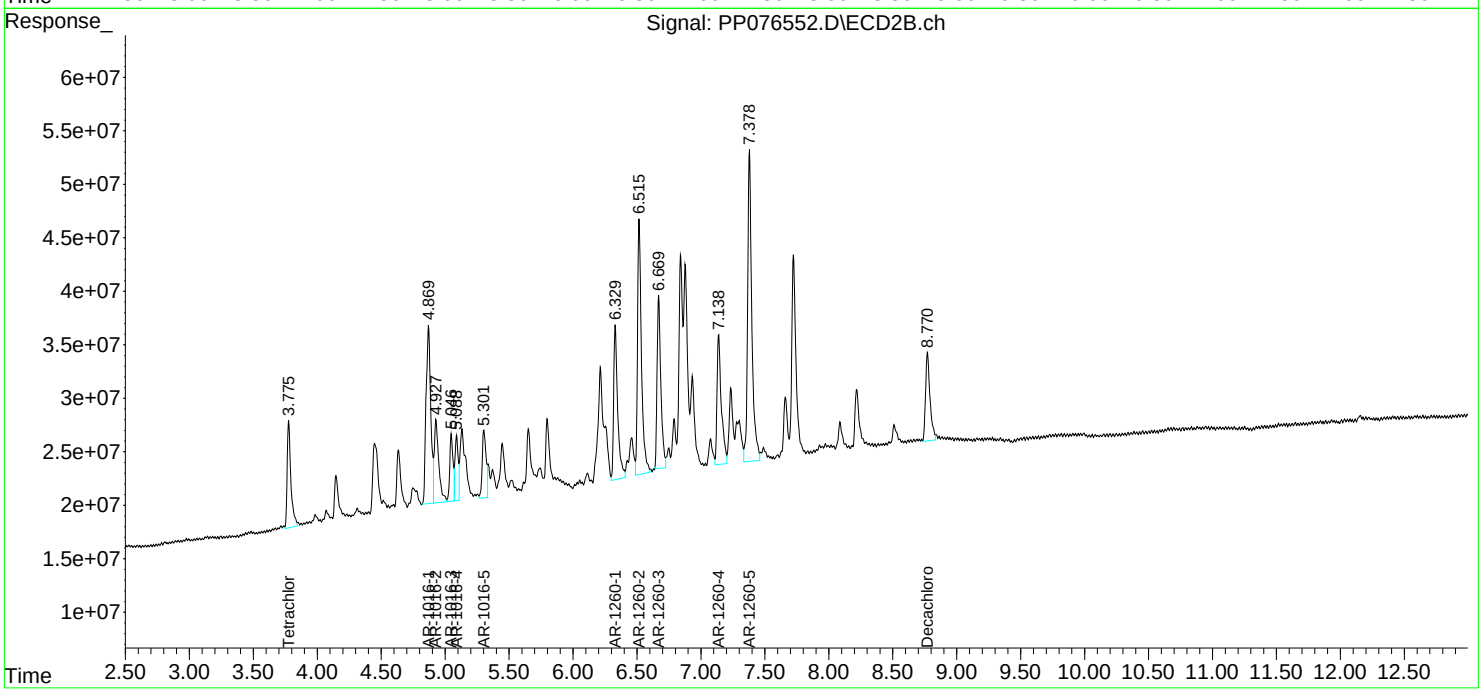
Instrument :
ECD_P
ClientSampleId :
TR-05-111325MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 18 01:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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:	po110425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO114874.D	AR-1260-1 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC250	PO114874.D	AR-1260-2 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-3 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-5 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-3	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-4	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1242ICC050	PO114882.D	AR-1242-5 #2	rahul	11/5/2025 8:39:51 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-1	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-2	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	po110425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO114892.D	AR-1254-4	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	Decachlorobiphenyl	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1268ICC250	PO114897.D	AR-1268-1 #2	rahul	11/5/2025 8:40:09 AM	yogesh	11/5/2025 10:22:13	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-1	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-2	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-3	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-4	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO111725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO115124.D	AR-1260-3	rahul	11/19/2025 2:41:14 PM	Sohil	11/19/2025 3:29:44	Peak Integrated by Software
AR1660CCC50 0	PO115124.D	AR-1260-4	rahul	11/19/2025 2:41:14 PM	Sohil	11/19/2025 3:29:44	Peak Integrated by Software
AR1242CCC50 0	PO115125.D	AR-1242-1 #2	rahul	11/19/2025 2:41:17 PM	Sohil	11/19/2025 3:29:46	Peak Integrated by Software
AR1242CCC50 0	PO115125.D	AR-1242-2 #2	rahul	11/19/2025 2:41:17 PM	Sohil	11/19/2025 3:29:46	Peak Integrated by Software
AR1242CCC50 0	PO115125.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:17 PM	Sohil	11/19/2025 3:29:46	Peak Integrated by Software
AR1248CCC50 0	PO115126.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:20 PM	Sohil	11/19/2025 3:29:48	Peak Integrated by Software
AR1254CCC50 0	PO115127.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:22 PM	Sohil	11/19/2025 3:29:50	Peak Integrated by Software
I.BLK	PO115128.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:25 PM	Sohil	11/19/2025 3:29:53	Peak Integrated by Software
AR1242CCC50 0	PO115140.D	AR-1242-1 #2	rahul	11/19/2025 2:41:55 PM	Sohil	11/19/2025 3:30:15	Peak Integrated by Software
AR1242CCC50 0	PO115140.D	AR-1242-2 #2	rahul	11/19/2025 2:41:55 PM	Sohil	11/19/2025 3:30:15	Peak Integrated by Software
AR1242CCC50 0	PO115140.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:55 PM	Sohil	11/19/2025 3:30:15	Peak Integrated by Software
AR1248CCC50 0	PO115141.D	Decachlorobiphenyl	rahul	11/19/2025 2:41:59 PM	Sohil	11/19/2025 3:30:17	Peak Integrated by Software
AR1254CCC50 0	PO115142.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:04 PM	Sohil	11/19/2025 3:30:19	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO111725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PO115143.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:09 PM	Sohil	11/19/2025 3:30:57	Peak Integrated by Software
Q3649-01	PO115144.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:12 PM	Sohil	11/19/2025 3:31:00	Peak Integrated by Software
Q3649-03	PO115145.D	AR-1260-1 #2	rahul	11/19/2025 2:42:16 PM	Sohil	11/19/2025 3:31:02	Peak Integrated by Software
Q3649-03	PO115145.D	AR-1260-4	rahul	11/19/2025 2:42:16 PM	Sohil	11/19/2025 3:31:02	Peak Integrated by Software
Q3649-03	PO115145.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:16 PM	Sohil	11/19/2025 3:31:02	Peak Integrated by Software
Q3649-06	PO115146.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:20 PM	Sohil	11/19/2025 3:31:05	Peak Integrated by Software
Q3649-08	PO115147.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:23 PM	Sohil	11/19/2025 3:31:07	Peak Integrated by Software
Q3649-08	PO115147.D	Tetrachloro-m-xylene	rahul	11/19/2025 2:42:23 PM	Sohil	11/19/2025 3:31:07	Peak Integrated by Software
AR1242CCC500	PO115155.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:46 PM	Sohil	11/19/2025 3:31:22	Peak Integrated by Software
AR1254CCC500	PO115157.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:48 PM	Sohil	11/19/2025 3:31:25	Peak Integrated by Software
I.BLK	PO115158.D	Decachlorobiphenyl	rahul	11/19/2025 2:42:51 PM	Sohil	11/19/2025 3:31:27	Peak Integrated by Software
AR1660CCC500	PO115166.D	AR-1016-1 #2	rahul	11/19/2025 2:43:21 PM	Sohil	11/19/2025 3:31:45	Peak Integrated by Software
AR1660CCC500	PO115166.D	AR-1016-2 #2	rahul	11/19/2025 2:43:21 PM	Sohil	11/19/2025 3:31:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO111725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO115167.D	AR-1242-1 #2	rahul	11/19/2025 2:43:24 PM	Sohil	11/19/2025 3:31:47	Peak Integrated by Software
AR1242CCC500	PO115167.D	AR-1242-2 #2	rahul	11/19/2025 2:43:24 PM	Sohil	11/19/2025 3:31:47	Peak Integrated by Software
AR1242CCC500	PO115167.D	Decachlorobiphenyl	rahul	11/19/2025 2:43:24 PM	Sohil	11/19/2025 3:31:47	Peak Integrated by Software
AR1248CCC500	PO115168.D	Decachlorobiphenyl	rahul	11/19/2025 2:43:29 PM	Sohil	11/19/2025 3:31:50	Peak Integrated by Software
AR1254CCC500	PO115169.D	AR-1254-1	rahul	11/19/2025 2:43:32 PM	Sohil	11/19/2025 3:31:53	Peak Integrated by Software
AR1254CCC500	PO115169.D	AR-1254-1 #2	rahul	11/19/2025 2:43:32 PM	Sohil	11/19/2025 3:31:53	Peak Integrated by Software
AR1254CCC500	PO115169.D	AR-1254-2 #2	rahul	11/19/2025 2:43:32 PM	Sohil	11/19/2025 3:31:53	Peak Integrated by Software
AR1254CCC500	PO115169.D	AR-1254-3	rahul	11/19/2025 2:43:32 PM	Sohil	11/19/2025 3:31:53	Peak Integrated by Software
AR1254CCC500	PO115169.D	Decachlorobiphenyl	rahul	11/19/2025 2:43:32 PM	Sohil	11/19/2025 3:31:53	Peak Integrated by Software
I.BLK	PO115170.D	Decachlorobiphenyl	rahul	11/19/2025 2:43:35 PM	Sohil	11/19/2025 3:31:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP075887.D	Decachlorobiphenyl	yogesh	10/22/2025 12:24:41 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-5 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1232ICC500	PP075894.D	AR-1232-4 #2	yogesh	10/22/2025 12:24:44 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC1000	PP075895.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:45 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC750	PP075896.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:46 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC500	PP075897.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:48 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-5	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP075899.D	AR-1242-5	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC050	PP075899.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC1000	PP075900.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:53 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC750	PP075901.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:55 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC500	PP075902.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:57 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC250	PP075903.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:58 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC1000	PP075905.D	AR-1254-1	yogesh	10/22/2025 12:25:02 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC750	PP075906.D	AR-1254-1	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC750	PP075906.D	AR-1254-5 #2	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC500	PP075907.D	AR-1254-1	yogesh	10/22/2025 12:25:05 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC250	PP075908.D	AR-1254-1	yogesh	10/22/2025 12:25:07 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC050	PP075909.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:09 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	AR-1242-4 #2	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	Decachlorobiphenyl	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICV500	PP075918.D	AR-1248-3 #2	yogesh	10/24/2025 4:12:35 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICV500	PP075919.D	AR-1254-1 #2	yogesh	10/24/2025 4:12:33 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP111725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP076525.D	AR-1016-1	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1016-2	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1016-3	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1016-4	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1016-5	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1260-1	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1260-2	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	AR-1260-3	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1660CCC50 0	PP076525.D	Tetrachloro-m-xylene	Abdul	11/18/2025 1:03:20 PM	Sohil	11/19/2025 3:28:08	Peak Integrated by Software
AR1242CCC50 0	PP076526.D	AR-1242-1	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1242CCC50 0	PP076526.D	AR-1242-2	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1242CCC50 0	PP076526.D	AR-1242-3	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1242CCC50 0	PP076526.D	AR-1242-4	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP111725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP076526.D	AR-1242-4 #2	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1242CCC500	PP076526.D	AR-1242-5	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1242CCC500	PP076526.D	AR-1242-5 #2	Abdul	11/18/2025 1:03:16 PM	Sohil	11/19/2025 3:28:11	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-1	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-2	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-3	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-3 #2	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-4	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	AR-1248-5	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1248CCC500	PP076527.D	Tetrachloro-m-xylene	Abdul	11/18/2025 1:03:13 PM	Sohil	11/19/2025 3:28:13	Peak Integrated by Software
AR1254CCC500	PP076528.D	AR-1254-1	Abdul	11/18/2025 1:03:46 PM	Sohil	11/19/2025 3:28:15	Peak Integrated by Software
AR1254CCC500	PP076528.D	AR-1254-2	Abdul	11/18/2025 1:03:46 PM	Sohil	11/19/2025 3:28:15	Peak Integrated by Software
AR1254CCC500	PP076528.D	AR-1254-5	Abdul	11/18/2025 1:03:46 PM	Sohil	11/19/2025 3:28:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP111725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP076529.D	Tetrachloro-m-xylene	Abdul	11/18/2025 1:03:10 PM	Sohil	11/19/2025 3:28:18	Peak Integrated by Software
AR1242CCC50 0	PP076541.D	AR-1242-4 #2	Abdul	11/19/2025 8:36:43 AM	Sohil	11/19/2025 3:28:41	Peak Integrated by Software
AR1248CCC50 0	PP076542.D	AR-1248-3 #2	Abdul	11/19/2025 8:36:40 AM	Sohil	11/19/2025 3:28:43	Peak Integrated by Software
AR1254CCC50 0	PP076543.D	AR-1254-1	Abdul	11/19/2025 8:36:36 AM	Sohil	11/19/2025 3:28:46	Peak Integrated by Software
Q3641-01MS	PP076551.D	AR-1260-3 #2	Abdul	11/19/2025 8:36:32 AM	Sohil	11/19/2025 3:28:50	Peak Integrated by Software
Q3641-01MS	PP076551.D	AR-1260-4	Abdul	11/19/2025 8:36:32 AM	Sohil	11/19/2025 3:28:50	Peak Integrated by Software
Q3641-01MSD	PP076552.D	AR-1260-4	Abdul	11/19/2025 8:36:28 AM	Sohil	11/19/2025 3:28:53	Peak Integrated by Software
AR1242CCC50 0	PP076556.D	AR-1242-1	Abdul	11/19/2025 8:36:24 AM	Sohil	11/19/2025 3:28:55	Peak Integrated by Software
AR1242CCC50 0	PP076556.D	AR-1242-4 #2	Abdul	11/19/2025 8:36:24 AM	Sohil	11/19/2025 3:28:55	Peak Integrated by Software
AR1242CCC50 0	PP076556.D	AR-1242-5 #2	Abdul	11/19/2025 8:36:24 AM	Sohil	11/19/2025 3:28:55	Peak Integrated by Software
AR1248CCC50 0	PP076557.D	AR-1248-3 #2	Abdul	11/19/2025 8:36:17 AM	Sohil	11/19/2025 3:28:58	Peak Integrated by Software
AR1248CCC50 0	PP076557.D	AR-1248-4 #2	Abdul	11/19/2025 8:36:17 AM	Sohil	11/19/2025 3:28:58	Peak Integrated by Software
AR1248CCC50 0	PP076557.D	AR-1248-5 #2	Abdul	11/19/2025 8:36:17 AM	Sohil	11/19/2025 3:28:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP111725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP076558.D	AR-1254-1	Abdul	11/19/2025 8:36:14 AM	Sohil	11/19/2025 3:29:01	Peak Integrated by Software
AR1254CCC500	PP076558.D	AR-1254-1 #2	Abdul	11/19/2025 8:36:14 AM	Sohil	11/19/2025 3:29:01	Peak Integrated by Software
AR1254CCC500	PP076558.D	AR-1254-5 #2	Abdul	11/19/2025 8:36:14 AM	Sohil	11/19/2025 3:29:01	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO114869.D	04 Nov 2025 09:03	YP/AJ	Ok
2	I.BLK	PO114870.D	04 Nov 2025 09:21	YP/AJ	Ok
3	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39	YP/AJ	Ok
4	AR1660ICC750	PO114872.D	04 Nov 2025 09:58	YP/AJ	Ok
5	AR1660ICC500	PO114873.D	04 Nov 2025 10:16	YP/AJ	Ok
6	AR1660ICC250	PO114874.D	04 Nov 2025 10:34	YP/AJ	Ok,M
7	AR1660ICC050	PO114875.D	04 Nov 2025 10:53	YP/AJ	Ok,M
8	AR1221ICC500	PO114876.D	04 Nov 2025 11:11	YP/AJ	Ok
9	AR1232ICC500	PO114877.D	04 Nov 2025 11:30	YP/AJ	Ok
10	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48	YP/AJ	Ok
11	AR1242ICC750	PO114879.D	04 Nov 2025 12:06	YP/AJ	Ok
12	AR1242ICC500	PO114880.D	04 Nov 2025 12:25	YP/AJ	Ok
13	AR1242ICC250	PO114881.D	04 Nov 2025 12:42	YP/AJ	Ok
14	AR1242ICC050	PO114882.D	04 Nov 2025 13:00	YP/AJ	Ok,M
15	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19	YP/AJ	Ok
16	AR1248ICC750	PO114884.D	04 Nov 2025 13:37	YP/AJ	Ok
17	AR1248ICC500	PO114885.D	04 Nov 2025 13:56	YP/AJ	Ok
18	AR1248ICC250	PO114886.D	04 Nov 2025 14:14	YP/AJ	Ok
19	AR1248ICC050	PO114887.D	04 Nov 2025 14:33	YP/AJ	Ok
20	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51	YP/AJ	Ok
21	AR1254ICC750	PO114889.D	04 Nov 2025 15:09	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO114890.D	04 Nov 2025 15:28	YP/AJ	Ok
23	AR1254ICC250	PO114891.D	04 Nov 2025 16:04	YP/AJ	Ok
24	AR1254ICC050	PO114892.D	04 Nov 2025 16:23	YP/AJ	Ok,M
25	AR1262ICC500	PO114893.D	04 Nov 2025 17:00	YP/AJ	Ok
26	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18	YP/AJ	Ok
27	AR1268ICC750	PO114895.D	04 Nov 2025 17:36	YP/AJ	Ok
28	AR1268ICC500	PO114896.D	04 Nov 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO114897.D	04 Nov 2025 18:13	YP/AJ	Ok,M
30	AR1268ICC050	PO114898.D	04 Nov 2025 18:31	YP/AJ	Ok
31	PO110425ICV500	PO114899.D	04 Nov 2025 19:08	YP/AJ	Ok
32	AR1242ICV500	PO114900.D	04 Nov 2025 20:21	YP/AJ	Ok,M
33	AR1248ICV500	PO114901.D	04 Nov 2025 20:58	YP/AJ	Ok
34	AR1254ICV500	PO114902.D	04 Nov 2025 21:35	YP/AJ	Ok
35	AR1268ICV500	PO114903.D	04 Nov 2025 22:12	YP/AJ	Ok
36	DDT ANALOG	PO114904.D	04 Nov 2025 22:48	YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO115123.D	17 Nov 2025 09:34	YP/AJ	Ok
2	AR1660CCC500	PO115124.D	17 Nov 2025 09:52	YP/AJ	Ok,M
3	AR1242CCC500	PO115125.D	17 Nov 2025 10:11	YP/AJ	Ok,M
4	AR1248CCC500	PO115126.D	17 Nov 2025 10:29	YP/AJ	Ok,M
5	AR1254CCC500	PO115127.D	17 Nov 2025 10:47	YP/AJ	Ok,M
6	I.BLK	PO115128.D	17 Nov 2025 11:06	YP/AJ	Ok,M
7	Q3577-07DL	PO115129.D	17 Nov 2025 11:26	YP/AJ	Dilution
8	Q3577-07DL2	PO115130.D	17 Nov 2025 11:44	YP/AJ	Ok
9	Q3639-01	PO115131.D	17 Nov 2025 12:05	YP/AJ	Ok,M
10	Q3639-02	PO115132.D	17 Nov 2025 12:24	YP/AJ	Ok,M
11	Q3639-03	PO115133.D	17 Nov 2025 12:42	YP/AJ	Ok,M
12	Q3639-04	PO115134.D	17 Nov 2025 13:00	YP/AJ	Ok,M
13	Q3639-05	PO115135.D	17 Nov 2025 13:19	YP/AJ	Ok,M
14	Q3639-09	PO115136.D	17 Nov 2025 13:37	YP/AJ	Ok,M
15	Q3639-10	PO115137.D	17 Nov 2025 13:56	YP/AJ	Ok,M
16	Q3639-11	PO115138.D	17 Nov 2025 14:14	YP/AJ	Ok,M
17	AR1660CCC500	PO115139.D	17 Nov 2025 15:28	YP/AJ	Ok
18	AR1242CCC500	PO115140.D	17 Nov 2025 15:46	YP/AJ	Ok,M
19	AR1248CCC500	PO115141.D	17 Nov 2025 16:04	YP/AJ	Ok,M
20	AR1254CCC500	PO115142.D	17 Nov 2025 16:22	YP/AJ	Ok,M
21	I.BLK	PO115143.D	17 Nov 2025 16:40	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3649-01	PO115144.D	17 Nov 2025 16:58	YP/AJ	Ok,M
23	Q3649-03	PO115145.D	17 Nov 2025 17:17	YP/AJ	Ok,M
24	Q3649-06	PO115146.D	17 Nov 2025 17:35	YP/AJ	Ok,M
25	Q3649-08	PO115147.D	17 Nov 2025 17:54	YP/AJ	Ok,M
26	Q3639-12	PO115148.D	17 Nov 2025 18:11	YP/AJ	Ok,M
27	Q3639-13	PO115149.D	17 Nov 2025 18:29	YP/AJ	Ok,M
28	Q3639-14	PO115150.D	17 Nov 2025 18:48	YP/AJ	Ok,M
29	Q3639-15	PO115151.D	17 Nov 2025 19:06	YP/AJ	Ok,M
30	Q3639-16	PO115152.D	17 Nov 2025 19:23	YP/AJ	Ok,M
31	Q3636-01	PO115153.D	17 Nov 2025 19:42	YP/AJ	Not Ok
32	AR1660CCC500	PO115154.D	17 Nov 2025 20:54	YP/AJ	Ok
33	AR1242CCC500	PO115155.D	17 Nov 2025 21:13	YP/AJ	Ok,M
34	AR1248CCC500	PO115156.D	17 Nov 2025 21:31	YP/AJ	Ok
35	AR1254CCC500	PO115157.D	17 Nov 2025 21:48	YP/AJ	Ok,M
36	I.BLK	PO115158.D	17 Nov 2025 22:07	YP/AJ	Ok,M
37	Q3638-01	PO115159.D	17 Nov 2025 22:25	YP/AJ	Ok,M
38	Q3638-03	PO115160.D	17 Nov 2025 22:43	YP/AJ	Ok,M
39	Q3640-02	PO115161.D	17 Nov 2025 23:02	YP/AJ	Ok,M
40	Q3640-03	PO115162.D	17 Nov 2025 23:20	YP/AJ	ReRun
41	Q3648-01	PO115163.D	17 Nov 2025 23:39	YP/AJ	Ok,M
42	Q3635-01	PO115164.D	17 Nov 2025 23:57	YP/AJ	Ok,M
43	Q3635-02	PO115165.D	18 Nov 2025 00:15	YP/AJ	Ok,M
44	AR1660CCC500	PO115166.D	18 Nov 2025 02:05	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1242CCC500	PO115167.D	18 Nov 2025 02:24	YP/AJ	Ok,M
46	AR1248CCC500	PO115168.D	18 Nov 2025 02:42	YP/AJ	Ok,M
47	AR1254CCC500	PO115169.D	18 Nov 2025 03:01	YP/AJ	Ok,M
48	I.BLK	PO115170.D	18 Nov 2025 03:19	YP/AJ	Ok,M
49	DDT ANALOG	PO115171.D	18 Nov 2025 03:37	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP075886.D	21 Oct 2025 08:33	YP\AJ	Ok
2	I.BLK	PP075887.D	21 Oct 2025 08:49	YP\AJ	Ok,M
3	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06	YP\AJ	Ok
4	AR1660ICC750	PP075889.D	21 Oct 2025 09:22	YP\AJ	Ok
5	AR1660ICC500	PP075890.D	21 Oct 2025 09:38	YP\AJ	Ok
6	AR1660ICC250	PP075891.D	21 Oct 2025 09:54	YP\AJ	Ok
7	AR1660ICC050	PP075892.D	21 Oct 2025 10:11	YP\AJ	Ok,M
8	AR1221ICC500	PP075893.D	21 Oct 2025 10:27	YP\AJ	Ok
9	AR1232ICC500	PP075894.D	21 Oct 2025 10:43	YP\AJ	Ok,M
10	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59	YP\AJ	Ok,M
11	AR1242ICC750	PP075896.D	21 Oct 2025 11:16	YP\AJ	Ok,M
12	AR1242ICC500	PP075897.D	21 Oct 2025 11:48	YP\AJ	Ok,M
13	AR1242ICC250	PP075898.D	21 Oct 2025 12:04	YP\AJ	Ok,M
14	AR1242ICC050	PP075899.D	21 Oct 2025 12:21	YP\AJ	Ok,M
15	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41	YP\AJ	Ok,M
16	AR1248ICC750	PP075901.D	21 Oct 2025 12:57	YP\AJ	Ok,M
17	AR1248ICC500	PP075902.D	21 Oct 2025 13:13	YP\AJ	Ok,M
18	AR1248ICC250	PP075903.D	21 Oct 2025 13:30	YP\AJ	Ok,M
19	AR1248ICC050	PP075904.D	21 Oct 2025 13:46	YP\AJ	Ok,M
20	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02	YP\AJ	Ok,M
21	AR1254ICC750	PP075906.D	21 Oct 2025 14:18	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP075907.D	21 Oct 2025 14:35	YP\AJ	Ok,M
23	AR1254ICC250	PP075908.D	21 Oct 2025 14:51	YP\AJ	Ok,M
24	AR1254ICC050	PP075909.D	21 Oct 2025 15:07	YP\AJ	Ok,M
25	AR1262ICC500	PP075910.D	21 Oct 2025 15:40	YP\AJ	Ok
26	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56	YP\AJ	Ok
27	AR1268ICC750	PP075912.D	21 Oct 2025 16:12	YP\AJ	Ok
28	AR1268ICC500	PP075913.D	21 Oct 2025 16:29	YP\AJ	Ok
29	AR1268ICC250	PP075914.D	21 Oct 2025 16:45	YP\AJ	Ok
30	AR1268ICC050	PP075915.D	21 Oct 2025 17:01	YP\AJ	Ok
31	PP102125ICV500	PP075916.D	21 Oct 2025 17:34	YP\AJ	Ok
32	AR1242ICV500	PP075917.D	21 Oct 2025 18:06	YP\AJ	Ok,M
33	AR1248ICV500	PP075918.D	21 Oct 2025 18:39	YP\AJ	Ok,M
34	AR1254ICV500	PP075919.D	22 Oct 2025 08:49	YP\AJ	Ok,M
35	AR1268ICV500	PP075920.D	22 Oct 2025 09:07	YP\AJ	Ok
36	DDT ANALOG	PP075921.D	22 Oct 2025 09:25	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP111725

Review By	rahul	Review On	11/17/2025 3:17:37 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:29:19 PM		
SubDirectory	PP111725	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP076524.D	17 Nov 2025 09:31	YP\AJ	Ok
2	AR1660CCC500	PP076525.D	17 Nov 2025 10:13	YP\AJ	Ok,M
3	AR1242CCC500	PP076526.D	17 Nov 2025 10:36	YP\AJ	Ok,M
4	AR1248CCC500	PP076527.D	17 Nov 2025 10:53	YP\AJ	Ok,M
5	AR1254CCC500	PP076528.D	17 Nov 2025 11:09	YP\AJ	Ok,M
6	I.BLK	PP076529.D	17 Nov 2025 11:25	YP\AJ	Ok,M
7	PB170572BL	PP076530.D	17 Nov 2025 11:59	YP\AJ	Ok,M
8	PB170572BS	PP076531.D	17 Nov 2025 12:15	YP\AJ	Ok,M
9	Q3639-06	PP076532.D	17 Nov 2025 12:32	YP\AJ	Ok,M
10	Q3639-07	PP076533.D	17 Nov 2025 12:48	YP\AJ	Ok,M
11	Q3639-08	PP076534.D	17 Nov 2025 13:04	YP\AJ	Ok,M
12	Q3620-01	PP076535.D	17 Nov 2025 13:24	YP\AJ	Ok,M
13	Q3620-02	PP076536.D	17 Nov 2025 13:40	YP\AJ	Ok,M
14	Q3622-02	PP076537.D	17 Nov 2025 13:56	YP\AJ	Ok,M
15	Q3640-04	PP076538.D	17 Nov 2025 14:12	YP\AJ	Ok,M
16	Q3645-01	PP076539.D	17 Nov 2025 14:28	YP\AJ	Ok
17	AR1660CCC500	PP076540.D	17 Nov 2025 15:33	YP\AJ	Ok
18	AR1242CCC500	PP076541.D	17 Nov 2025 15:50	YP\AJ	Ok,M
19	AR1248CCC500	PP076542.D	17 Nov 2025 16:06	YP\AJ	Ok,M
20	AR1254CCC500	PP076543.D	17 Nov 2025 16:22	YP\AJ	Ok,M
21	I.BLK	PP076544.D	17 Nov 2025 16:38	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP111725

Review By	rahul	Review On	11/17/2025 3:17:37 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:29:19 PM		
SubDirectory	PP111725	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB170573BL	PP076545.D	17 Nov 2025 16:55	YP\AJ	Ok
23	PB170573BS	PP076546.D	17 Nov 2025 17:11	YP\AJ	Ok
24	PB170573BSD	PP076547.D	17 Nov 2025 17:27	YP\AJ	Ok
25	PB170574BL	PP076548.D	17 Nov 2025 17:43	YP\AJ	Ok
26	PB170574BS	PP076549.D	17 Nov 2025 18:00	YP\AJ	Ok
27	Q3641-01	PP076550.D	17 Nov 2025 18:16	YP\AJ	Ok,M
28	Q3641-01MS	PP076551.D	17 Nov 2025 18:32	YP\AJ	Ok,M
29	Q3641-01MSD	PP076552.D	17 Nov 2025 18:48	YP\AJ	Ok,M
30	Q3646-01	PP076553.D	17 Nov 2025 19:05	YP\AJ	Ok
31	Q3647-01	PP076554.D	17 Nov 2025 19:21	YP\AJ	Ok
32	AR1660CCC500	PP076555.D	17 Nov 2025 20:26	YP\AJ	Ok
33	AR1242CCC500	PP076556.D	17 Nov 2025 20:42	YP\AJ	Ok,M
34	AR1248CCC500	PP076557.D	17 Nov 2025 20:58	YP\AJ	Ok,M
35	AR1254CCC500	PP076558.D	17 Nov 2025 21:14	YP\AJ	Ok,M
36	I.BLK	PP076559.D	17 Nov 2025 21:31	YP\AJ	Ok
37	DDT ANALOG	PP076560.D	17 Nov 2025 21:47	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO114869.D	04 Nov 2025 09:03		YP/AJ	Ok
2	I.BLK	I.BLK	PO114870.D	04 Nov 2025 09:21		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO114872.D	04 Nov 2025 09:58		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO114873.D	04 Nov 2025 10:16		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO114874.D	04 Nov 2025 10:34		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO114875.D	04 Nov 2025 10:53		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO114876.D	04 Nov 2025 11:11		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO114877.D	04 Nov 2025 11:30		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO114879.D	04 Nov 2025 12:06		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO114880.D	04 Nov 2025 12:25		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO114881.D	04 Nov 2025 12:42		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO114882.D	04 Nov 2025 13:00		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO114884.D	04 Nov 2025 13:37		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO114885.D	04 Nov 2025 13:56		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO114886.D	04 Nov 2025 14:14		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO114887.D	04 Nov 2025 14:33		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO114889.D	04 Nov 2025 15:09		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO114890.D	04 Nov 2025 15:28		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO114891.D	04 Nov 2025 16:04		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO114892.D	04 Nov 2025 16:23		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO114893.D	04 Nov 2025 17:00		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO114895.D	04 Nov 2025 17:36		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO114896.D	04 Nov 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO114897.D	04 Nov 2025 18:13		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO114898.D	04 Nov 2025 18:31		YP/AJ	Ok
31	PO110425ICV500	ICVPO110425	PO114899.D	04 Nov 2025 19:08		YP/AJ	Ok
32	AR1242ICV500	ICVPO110425AR1242	PO114900.D	04 Nov 2025 20:21		YP/AJ	Ok,M
33	AR1248ICV500	ICVPO110425AR1248	PO114901.D	04 Nov 2025 20:58		YP/AJ	Ok
34	AR1254ICV500	ICVPO110425AR1254	PO114902.D	04 Nov 2025 21:35		YP/AJ	Ok
35	AR1268ICV500	ICVPO110425AR1268	PO114903.D	04 Nov 2025 22:12		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO114904.D	04 Nov 2025 22:48		YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO115123.D	17 Nov 2025 09:34		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO115124.D	17 Nov 2025 09:52		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO115125.D	17 Nov 2025 10:11		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO115126.D	17 Nov 2025 10:29		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO115127.D	17 Nov 2025 10:47		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO115128.D	17 Nov 2025 11:06		YP/AJ	Ok,M
7	Q3577-07DL	WC-1ADL	PO115129.D	17 Nov 2025 11:26	AR1248 Hit , Need dilution	YP/AJ	Dilution
8	Q3577-07DL2	WC-1ADL2	PO115130.D	17 Nov 2025 11:44	AR1248 Hit	YP/AJ	Ok
9	Q3639-01	L66A	PO115131.D	17 Nov 2025 12:05		YP/AJ	Ok,M
10	Q3639-02	L66B	PO115132.D	17 Nov 2025 12:24		YP/AJ	Ok,M
11	Q3639-03	L67A	PO115133.D	17 Nov 2025 12:42		YP/AJ	Ok,M
12	Q3639-04	L67B	PO115134.D	17 Nov 2025 13:00		YP/AJ	Ok,M
13	Q3639-05	L68A	PO115135.D	17 Nov 2025 13:19		YP/AJ	Ok,M
14	Q3639-09	L70A	PO115136.D	17 Nov 2025 13:37		YP/AJ	Ok,M
15	Q3639-10	L70B	PO115137.D	17 Nov 2025 13:56		YP/AJ	Ok,M
16	Q3639-11	L71A	PO115138.D	17 Nov 2025 14:14		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO115139.D	17 Nov 2025 15:28		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO115140.D	17 Nov 2025 15:46		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO115141.D	17 Nov 2025 16:04		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO115142.D	17 Nov 2025 16:22		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO115143.D	17 Nov 2025 16:40		YP/AJ	Ok,M
22	Q3649-01	B5-0.0-0.5-20251114	PO115144.D	17 Nov 2025 16:58		YP/AJ	Ok,M
23	Q3649-03	DUPE-0.0-0.5-2025111	PO115145.D	17 Nov 2025 17:17	AR1260 hit	YP/AJ	Ok,M
24	Q3649-06	B4-0.0-0.5-20251114	PO115146.D	17 Nov 2025 17:35		YP/AJ	Ok,M
25	Q3649-08	B3-0.0-0.5-20251114	PO115147.D	17 Nov 2025 17:54		YP/AJ	Ok,M
26	Q3639-12	L71B	PO115148.D	17 Nov 2025 18:11		YP/AJ	Ok,M
27	Q3639-13	L72A	PO115149.D	17 Nov 2025 18:29		YP/AJ	Ok,M
28	Q3639-14	L72B	PO115150.D	17 Nov 2025 18:48		YP/AJ	Ok,M
29	Q3639-15	STG15-1-1	PO115151.D	17 Nov 2025 19:06		YP/AJ	Ok,M
30	Q3639-16	STG15-1-2	PO115152.D	17 Nov 2025 19:23		YP/AJ	Ok,M
31	Q3636-01	AUD-25-0114	PO115153.D	17 Nov 2025 19:42	Need Cleanup	YP/AJ	Not Ok
32	AR1660CCC500	AR1660CCC500	PO115154.D	17 Nov 2025 20:54		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO115155.D	17 Nov 2025 21:13		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO115156.D	17 Nov 2025 21:31		YP/AJ	Ok
35	AR1254CCC500	AR1254CCC500	PO115157.D	17 Nov 2025 21:48		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO115158.D	17 Nov 2025 22:07		YP/AJ	Ok,M
37	Q3638-01	MOO-25-0327	PO115159.D	17 Nov 2025 22:25		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111725

Review By	rahul	Review On	11/17/2025 3:21:19 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:32:15 PM		
SubDirectory	PO111725	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q3638-03	MOO-25-0328	PO115160.D	17 Nov 2025 22:43		YP/AJ	Ok,M
39	Q3640-02	LAW-25-0179-0180	PO115161.D	17 Nov 2025 23:02		YP/AJ	Ok,M
40	Q3640-03	LAW-25-0182	PO115162.D	17 Nov 2025 23:20	TCMX low in both column	YP/AJ	ReRun
41	Q3648-01	OR-02-111425	PO115163.D	17 Nov 2025 23:39		YP/AJ	Ok,M
42	Q3635-01	40635	PO115164.D	17 Nov 2025 23:57		YP/AJ	Ok,M
43	Q3635-02	40617	PO115165.D	18 Nov 2025 00:15	DCB HIGH in second column	YP/AJ	Ok,M
44	AR1660CCC500	AR1660CCC500	PO115166.D	18 Nov 2025 02:05		YP/AJ	Ok,M
45	AR1242CCC500	AR1242CCC500	PO115167.D	18 Nov 2025 02:24		YP/AJ	Ok,M
46	AR1248CCC500	AR1248CCC500	PO115168.D	18 Nov 2025 02:42		YP/AJ	Ok,M
47	AR1254CCC500	AR1254CCC500	PO115169.D	18 Nov 2025 03:01		YP/AJ	Ok,M
48	I.BLK	I.BLK	PO115170.D	18 Nov 2025 03:19		YP/AJ	Ok,M
49	DDT ANALOG	DDT ANALOG	PO115171.D	18 Nov 2025 03:37		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP075886.D	21 Oct 2025 08:33		YP\AJ	Ok
2	I.BLK	I.BLK	PP075887.D	21 Oct 2025 08:49		YP\AJ	Ok,M
3	AR1660ICC1000	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP075889.D	21 Oct 2025 09:22		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP075890.D	21 Oct 2025 09:38		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP075891.D	21 Oct 2025 09:54		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP075892.D	21 Oct 2025 10:11		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP075893.D	21 Oct 2025 10:27		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP075894.D	21 Oct 2025 10:43		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP075896.D	21 Oct 2025 11:16		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP075897.D	21 Oct 2025 11:48		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP075898.D	21 Oct 2025 12:04		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP075899.D	21 Oct 2025 12:21		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP075901.D	21 Oct 2025 12:57		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP075902.D	21 Oct 2025 13:13		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP075903.D	21 Oct 2025 13:30		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP075904.D	21 Oct 2025 13:46		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP075906.D	21 Oct 2025 14:18		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP075907.D	21 Oct 2025 14:35		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP075908.D	21 Oct 2025 14:51		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP075909.D	21 Oct 2025 15:07		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP075910.D	21 Oct 2025 15:40		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP075912.D	21 Oct 2025 16:12		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP075913.D	21 Oct 2025 16:29		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP075914.D	21 Oct 2025 16:45		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP075915.D	21 Oct 2025 17:01		YP\AJ	Ok
31	PP102125ICV500	ICVPP102125	PP075916.D	21 Oct 2025 17:34		YP\AJ	Ok
32	AR1242ICV500	ICVPP102125AR1242	PP075917.D	21 Oct 2025 18:06		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP102125AR1248	PP075918.D	21 Oct 2025 18:39		YP\AJ	Ok,M
34	AR1254ICV500	ICVPP102125AR1254	PP075919.D	22 Oct 2025 08:49		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP102125AR1268	PP075920.D	22 Oct 2025 09:07		YP\AJ	Ok
36	DDT ANALOG	DDT ANALOG	PP075921.D	22 Oct 2025 09:25		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP111725

Review By	rahul	Review On	11/17/2025 3:17:37 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:29:19 PM		
SubDirectory	PP111725	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP076524.D	17 Nov 2025 09:31		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP076525.D	17 Nov 2025 10:13		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP076526.D	17 Nov 2025 10:36		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP076527.D	17 Nov 2025 10:53		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP076528.D	17 Nov 2025 11:09		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP076529.D	17 Nov 2025 11:25		YP\AJ	Ok,M
7	PB170572BL	PB170572BL	PP076530.D	17 Nov 2025 11:59		YP\AJ	Ok,M
8	PB170572BS	PB170572BS	PP076531.D	17 Nov 2025 12:15		YP\AJ	Ok,M
9	Q3639-06	L68B	PP076532.D	17 Nov 2025 12:32	AR1254 Hit	YP\AJ	Ok,M
10	Q3639-07	L69A	PP076533.D	17 Nov 2025 12:48	AR1254 Hit	YP\AJ	Ok,M
11	Q3639-08	L69B	PP076534.D	17 Nov 2025 13:04		YP\AJ	Ok,M
12	Q3620-01	1010-A	PP076535.D	17 Nov 2025 13:24		YP\AJ	Ok,M
13	Q3620-02	1010-B	PP076536.D	17 Nov 2025 13:40		YP\AJ	Ok,M
14	Q3622-02	RT3071-WATER	PP076537.D	17 Nov 2025 13:56	AR1260 Hit	YP\AJ	Ok,M
15	Q3640-04	LAW-25-0183	PP076538.D	17 Nov 2025 14:12		YP\AJ	Ok,M
16	Q3645-01	HD-02-11142025	PP076539.D	17 Nov 2025 14:28		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP076540.D	17 Nov 2025 15:33		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP076541.D	17 Nov 2025 15:50		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP111725

Review By	rahul	Review On	11/17/2025 3:17:37 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:29:19 PM		
SubDirectory	PP111725	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP076542.D	17 Nov 2025 16:06		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP076543.D	17 Nov 2025 16:22		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP076544.D	17 Nov 2025 16:38		YP\AJ	Ok
22	PB170573BL	PB170573BL	PP076545.D	17 Nov 2025 16:55		YP\AJ	Ok
23	PB170573BS	PB170573BS	PP076546.D	17 Nov 2025 17:11		YP\AJ	Ok
24	PB170573BSD	PB170573BSD	PP076547.D	17 Nov 2025 17:27		YP\AJ	Ok
25	PB170574BL	PB170574BL	PP076548.D	17 Nov 2025 17:43		YP\AJ	Ok
26	PB170574BS	PB170574BS	PP076549.D	17 Nov 2025 18:00		YP\AJ	Ok
27	Q3641-01	TR-05-111325	PP076550.D	17 Nov 2025 18:16	Tcmx high in 1st column	YP\AJ	Ok,M
28	Q3641-01MS	TR-05-111325MS	PP076551.D	17 Nov 2025 18:32		YP\AJ	Ok,M
29	Q3641-01MSD	TR-05-111325MSD	PP076552.D	17 Nov 2025 18:48		YP\AJ	Ok,M
30	Q3646-01	SU-03-11142025	PP076553.D	17 Nov 2025 19:05		YP\AJ	Ok
31	Q3647-01	VNJ-212	PP076554.D	17 Nov 2025 19:21		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP076555.D	17 Nov 2025 20:26		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP076556.D	17 Nov 2025 20:42		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP076557.D	17 Nov 2025 20:58		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP076558.D	17 Nov 2025 21:14		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP076559.D	17 Nov 2025 21:31		YP\AJ	Ok
37	DDT ANALOG	DDT ANALOG	PP076560.D	17 Nov 2025 21:47		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP111725

Review By	rahul	Review On	11/17/2025 3:17:37 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:29:19 PM		
SubDirectory	PP111725	HP Acquire Method		HP Processing Method	PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB170574

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	11/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/17/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2660
Baked Na2SO4	N/A	EP2655
Hexane	N/A	E3984
H2SO4 1:1	N/A	EP2657
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721. Q3635-01,02 used Limited volume as sample is Oily Debris & Oil.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Ext-lab)	RC/Pest PCB
12:20	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB170574

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 11/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170574BL	ABLK574	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB170574BS	ALCS574	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q3635-01	40635	PCB	5.03	N/A	ritesh	Evelyn	10	A	Oily Debris	3
Q3635-02	40617	PCB	1.04	N/A	ritesh	Evelyn	10	B	Oil	
Q3636-01	AUD-25-0114	PCB	30.02	N/A	ritesh	Evelyn	10	A	Small Particles	4
Q3638-01	MOO-25-0327	PCB	30.05	N/A	ritesh	Evelyn	10	E	Small Particles	5
Q3638-03	MOO-25-0328	PCB	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q3640-02	LAW-25-0179-0180	PCB	30.06	N/A	ritesh	Evelyn	10	A		U2-1
Q3640-03	LAW-25-0182	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	2
Q3641-01	TR-05-111325	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
Q3641-01MS	TR-05-111325MS	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q3641-01MSD	TR-05-111325MSD	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q3645-01	HD-02-11142025	PCB	30.04	N/A	ritesh	Evelyn	10	E		6
Q3646-01	SU-03-11142025	PCB	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q3647-01	VNJ-212	PCB	30.03	N/A	ritesh	Evelyn	10	E	Concrete	2
Q3648-01	OR-02-111425	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q3649-01	B5-0.0-0.5-20251114	PCB	30.02	N/A	ritesh	Evelyn	10	B		4
Q3649-03	DUPE-0.0-0.5-20251114	PCB	30.09	N/A	ritesh	Evelyn	10	B		5
Q3649-06	B4-0.0-0.5-20251114	PCB	30.01	N/A	ritesh	Evelyn	10	B		6
Q3649-08	B3-0.0-0.5-20251114	PCB	30.05	N/A	ritesh	Evelyn	10	B		U4-1

RS 11/17

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

Q3649 11/17/25 9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3640 **WorkList ID :** 193145 **Department :** Extraction **Date :** 11-17-2025 08:54:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3635-01	40635	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3635-02	40617	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3636-01	AUD-25-0114	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3638-01	MOO-25-0327	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3638-03	MOO-25-0328	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3640-02	LAW-25-0179-0180	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3640-03	LAW-25-0182	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/13/2025	8082A
Q3641-01	TR-05-111325	Solid	PCB	Cool 4 deg C	PSEG05	D41	11/13/2025	8082A
Q3645-01	HD-02-11142025	Solid	PCB	Cool 4 deg C	PSEG05	D51	11/14/2025	8082A
Q3646-01	SU-03-11142025	Solid	PCB	Cool 4 deg C	PSEG05	D31	11/14/2025	8082A
Q3647-01	VNJ-212	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/14/2025	8082A
Q3648-01	OR-02-111425	Solid	PCB	Cool 4 deg C	PSEG05	D41	11/14/2025	8082A
Q3649-01	B5-0.0-0.5-20251114	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/14/2025	8082A
Q3649-03	DUPE-0.0-0.5-20251114	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/14/2025	8082A
Q3649-06	B4-0.0-0.5-20251114	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/14/2025	8082A
Q3649-08	B3-0.0-0.5-20251114	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/14/2025	8082A

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Date/Time 11/17/25 9:00
Raw Sample Received by: RJ (ExtLab)
Raw Sample Relinquished by: [signature]

Date/Time 11/17/25 9:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (ExtLab)

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	

SAMPLE DATA

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.29	2.18	mg/kg	FE056883.D	11/17/25 21:11	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	0.99	4.36	mg/kg	FE056883.D	11/17/25 21:11	PB170578
Total AliphaticEPH	Total AliphaticEPH	24.4			2.28	6.54	mg/kg			
Total EPH	Total EPH	24.4			2.28	6.54	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	0.99	4.36	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.29	2.18	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.0			40 - 140	80%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	47.3			40 - 140	95%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06	Acq On:	17 Nov 2025 21:11
Client Sample ID:	B4-0.0-0.5-20251114	Operator:	YP\AJ
Data file:	FE056883.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	504079	2.945	300	ug/ml
Aliphatic C12-C16	6.837	10.281	1116384	6.245	200	ug/ml
Aliphatic C16-C21	10.282	13.655	1200330	6.436	300	ug/ml
Aliphatic C21-C28	13.656	17.323	1770081	9.183	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49503544	310.728	600	ug/ml
Aliphatic EPH	3.213	22.257	54094418	335.537		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	9890264	47.34		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	6438282	39.96		ug/ml
Aliphatic C9-C28	3.213	17.323	4590874	24.809	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Run Number: FE111725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170578BL	63	77		0
PB170578BS	53	61		0
PB170578BSD	52	60		0
B4-0.0-0.5-20251114	80	95		0
B4-0.0-0.5-20251114MS	72	83		0
B4-0.0-0.5-20251114MSD	71	83		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3649

Sample No : Q3649-06MS **Datafile:** FE056885.D **Client ID :** B4-0.0-0.5-20251114MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.8	22.6	72.2	151	*	(40-140)
Aliphatic C9-C28	109.4	1.80	73.2	65		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.6	0.0129	1.6927	47		(40-140)
n-Decane (C10)	3.6	0.0108	4.0019	111		(40-140)
Naphthalene (C11.7)	3.6	0.0066	2.2202	61		(40-140)
n-Dodecane (C12)	3.6	0.0039	2.1607	60		(40-140)
2-methylnaphthalene (C12.89)	3.6	0.0079	2.2857	63		(40-140)
n-Tetradecane (C14)	3.6	0.0200	2.4808	68		(40-140)
n-Hexadecane (C16)	3.6	0.0336	2.5911	71		(40-140)
n-Octadecane (C18)	3.6	0.0052	2.4971	69		(40-140)
n-Eicosane (C20)	3.6	0.0053	2.5037	69		(40-140)
n-Heneicosane (C21)	3.6	0.0196	2.6060	72		(40-140)
n-Docosane (C22)	3.6	0.0279	2.4252	67		(40-140)
n-Tetracosane (C24)	7.3	0.0386	7.3202	100		(40-140)
n-Hexacosane (C26)	3.6	0.0299	2.2365	61		(40-140)
n-Octacosane (C28)	3.6	0.0953	2.4281	65		(40-140)
n-Tricontane (C30)	3.6	0.0385	2.1956	60		(40-140)
n-Dotriacontane (C32)	3.6	0.2673	2.4138	60		(40-140)
n-Tetratriacontane (C34)	3.6	0.3869	3.6055	89		(40-140)
n-Hexatriacontane (C36)	3.6	1.3496	4.8319	97		(40-140)
n-Octatriacontane (C38)	3.6	0.4354	5.0715	129		(40-140)
n-Tetracontane (C40)	3.6	0.1234	6.1718	168	*	(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3649

Sample No : Q3649-06MSD **Datafile:** FE056886.D **Client ID :** B4-0.0-0.5-20251114MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	32.8	22.6	66.5	133		12.7 |	(40-140)	50
Aliphatic C9-C28	109.2	1.80	78.1	70		6.8 |	(40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.6	0.0129	1.6718	46		2.15 |	(40-140)	50
n-Decane (C10)	3.6	0.0108	3.9610	110		0.9 |	(40-140)	50
Naphthalene (C11.7)	3.6	0.0066	2.2386	62		1.63 |	(40-140)	50
n-Dodecane (C12)	3.6	0.0039	2.1396	59		1.68 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.6	0.0079	2.2573	62		1.6 |	(40-140)	50
n-Tetradecane (C14)	3.6	0.0200	2.4503	68		0 |	(40-140)	50
n-Hexadecane (C16)	3.6	0.0336	2.5574	70		1.42 |	(40-140)	50
n-Octadecane (C18)	3.6	0.0052	2.4664	68		1.46 |	(40-140)	50
n-Eicosane (C20)	3.6	0.0053	2.4772	69		0 |	(40-140)	50
n-Heneicosane (C21)	3.6	0.0196	2.5968	72		0 |	(40-140)	50
n-Docosane (C22)	3.6	0.0279	2.4040	66		1.5 |	(40-140)	50
n-Tetracosane (C24)	7.3	0.0386	7.2653	99		1.01 |	(40-140)	50
n-Hexacosane (C26)	3.6	0.0299	2.2152	61		0 |	(40-140)	50
n-Octacosane (C28)	3.6	0.0953	2.4321	65		0 |	(40-140)	50
n-Tricontane (C30)	3.6	0.0385	2.1767	59		1.68 |	(40-140)	50
n-Dotriacontane (C32)	3.6	0.2673	2.3514	58		3.39 |	(40-140)	50
n-Tetratriacontane (C34)	3.6	0.3869	3.3583	83		6.98 |	(40-140)	50
n-Hexatriacontane (C36)	3.6	1.3496	5.6495	119		20.37 |	(40-140)	50
n-Octatriacontane (C38)	3.6	0.4354	4.9261	125		3.15 |	(40-140)	50
n-Tetracontane (C40)	3.6	0.1234	8.1167	222	*	27.69 |	(40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3649

Sample No : PB170578BS **Datafile:** FE056871.D **Client ID :** PB170578BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	20.5	68		(40-140)
Aliphatic C9-C28	99.9	61.8	63		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.12398	64		(40-140)
n-Decane (C10)	3.3	2.16107	65		(40-140)
Naphthalene (C11.7)	3.3	2.39212	72		(40-140)
n-Dodecane (C12)	3.3	2.24002	68		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.23243	68		(40-140)
n-Tetradecane (C14)	3.3	2.26101	69		(40-140)
n-Hexadecane (C16)	3.3	2.11748	64		(40-140)
n-Octadecane (C18)	3.3	2.03263	62		(40-140)
n-Eicosane (C20)	3.3	2.05103	62		(40-140)
n-Heneicosane (C21)	3.3	2.03511	62		(40-140)
n-Docosane (C22)	3.3	1.97294	60		(40-140)
n-Tetracosane (C24)	6.7	4.06415	61		(40-140)
n-Hexacosane (C26)	3.3	1.83173	56		(40-140)
n-Octacosane (C28)	3.3	1.89209	57		(40-140)
n-Tricontane (C30)	3.3	1.68796	51		(40-140)
n-Dotriacontane (C32)	3.3	1.69881	51		(40-140)
n-Tetratriacontane (C34)	3.3	1.91301	58		(40-140)
n-Hexatriacontane (C36)	3.3	2.23046	68		(40-140)
n-Octatriacontane (C38)	3.3	2.60205	79		(40-140)
n-Tetracontane (C40)	3.3	2.85976	87		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3649

Sample No : PB170578BSD **Datafile:** FE056872.D **Client ID :** PB170578BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	20.7	69		0.9|	(40-140)	25
Aliphatic C9-C28	100.1	62.6	64		1.2|	(40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	2.14828	65		1.55|	(40-140)	25
n-Decane (C10)	3.3	2.18831	66		1.53|	(40-140)	25
Naphthalene (C11.7)	3.3	2.42829	74		2.74|	(40-140)	25
n-Dodecane (C12)	3.3	2.27156	69		1.46|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.26403	69		1.46|	(40-140)	25
n-Tetradecane (C14)	3.3	2.29160	69		0|	(40-140)	25
n-Hexadecane (C16)	3.3	2.14570	65		1.55|	(40-140)	25
n-Octadecane (C18)	3.3	2.05375	62		0|	(40-140)	25
n-Eicosane (C20)	3.3	2.06925	63		1.6|	(40-140)	25
n-Heneicosane (C21)	3.3	2.05259	62		0|	(40-140)	25
n-Docosane (C22)	3.3	1.98737	60		0|	(40-140)	25
n-Tetracosane (C24)	6.7	4.10297	61		0|	(40-140)	25
n-Hexacosane (C26)	3.3	1.84726	56		0|	(40-140)	25
n-Octacosane (C28)	3.3	1.90417	58		1.74|	(40-140)	25
n-Tricontane (C30)	3.3	1.69826	51		0|	(40-140)	25
n-Dotriacontane (C32)	3.3	1.71508	52		1.94|	(40-140)	25
n-Tetratriacontane (C34)	3.3	1.91613	58		0|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.23559	68		0|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.59958	79		0|	(40-140)	25
n-Tetracontane (C40)	3.3	2.88542	87		0|	(40-140)	25

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4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
PB170578BL

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3649
Instrument ID: FID_E
Lab Sample ID: PB170578BL
Matrix: (soil/water) Solid
Date Extracted: 11/17/2025 10:03:00
Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170578BS	PB170578BS
PB170578BSD	PB170578BSD
B4-0.0-0.5-20251114	Q3649-06
B4-0.0-0.5-20251114MS	Q3649-06MS
B4-0.0-0.5-20251114MSD	Q3649-06MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BL			SDG No.:	Q3649
Lab Sample ID:	PB170578BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056870.D	11/17/25 14:39	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE056870.D	11/17/25 14:39	PB170578
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg			
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BL			SDG No.:	Q3649
Lab Sample ID:	PB170578BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.3			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.4			40 - 140	77%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BL	Acq On:	17 Nov 2025 14:39
Client Sample ID:	PB170578BL	Operator:	YP\AJ
Data file:	FE056870.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	0	0	300	ug/ml
Aliphatic C12-C16	6.837	10.281	0	0	200	ug/ml
Aliphatic C16-C21	10.282	13.655	0	0	300	ug/ml
Aliphatic C21-C28	13.656	17.323	0	0	400	ug/ml
Aliphatic C28-C40	17.324	22.257	0	0	600	ug/ml
Aliphatic EPH	3.213	22.257	0	0		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	8019541	38.39		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	5040365	31.28		ug/ml
Aliphatic C9-C28	3.213	17.323	0	0	1200	ug/ml

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BS			SDG No.:	Q3649
Lab Sample ID:	PB170578BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.18	2.00	mg/kg	FE056871.D	11/17/25 15:09	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	61.8		1	0.91	3.99	mg/kg	FE056871.D	11/17/25 15:09	PB170578
Total AliphaticEPH	Total AliphaticEPH	82.3			2.09	5.99	mg/kg			
Total EPH	Total EPH	82.3			2.09	5.99	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BS			SDG No.:	Q3649
Lab Sample ID:	PB170578BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	61.8		1	0.91	3.99	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.3			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.3			40 - 140	61%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BS	Acq On:	17 Nov 2025 15:09
Client Sample ID:	PB170578BS	Operator:	YP\AJ
Data file:	FE056871.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	30137018	176.072	300	ug/ml
Aliphatic C12-C16	6.837	10.281	46272276	258.86	200	ug/ml
Aliphatic C16-C21	10.282	13.655	41909530	224.709	300	ug/ml
Aliphatic C21-C28	13.656	17.323	51880458	269.137	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49033864	307.78	600	ug/ml
Aliphatic EPH	3.213	22.257	219233146	1240		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6328404	30.29		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	4243187	26.34		ug/ml
Aliphatic C9-C28	3.213	17.323	170199282	928.778	1200	ug/ml

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BSD			SDG No.:	Q3649
Lab Sample ID:	PB170578BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	1.18	2.00	mg/kg	FE056872.D	11/17/25 15:39	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	0.91	4.00	mg/kg	FE056872.D	11/17/25 15:39	PB170578
Total AliphaticEPH	Total AliphaticEPH	83.3			2.09	6.00	mg/kg			
Total EPH	Total EPH	83.3			2.09	6.00	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170578BSD			SDG No.:	Q3649
Lab Sample ID:	PB170578BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	0.91	4.00	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.2			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BSD	Acq On:	17 Nov 2025 15:39
Client Sample ID:	PB170578BSD	Operator:	YP\AJ
Data file:	FE056872.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	30525538	178.342	300	ug/ml
Aliphatic C12-C16	6.837	10.281	46852880	262.108	200	ug/ml
Aliphatic C16-C21	10.282	13.655	42264350	226.612	300	ug/ml
Aliphatic C21-C28	13.656	17.323	52348219	271.563	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49513685	310.792	600	ug/ml
Aliphatic EPH	3.213	22.257	221504672	1250		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6302921	30.17		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4224440	26.22		ug/ml
Aliphatic C9-C28	3.213	17.323	171990987	938.625	1200	ug/ml

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-06MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.4
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	72.2	E	1	1.29	2.19	mg/kg	FE056885.D	11/17/25 22:12	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	73.2		1	1.00	4.37	mg/kg	FE056885.D	11/17/25 22:12	PB170578
Total AliphaticEPH	Total AliphaticEPH	145			2.29	6.56	mg/kg			
Total EPH	Total EPH	145			2.29	6.56	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-06MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.4
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	73.2		1	1.00	4.37	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	72.2	E	1	1.29	2.19	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	36.0			40 - 140	72%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.6			40 - 140	83%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06MS	Acq On:	17 Nov 2025 22:12
Client Sample ID:	B4-0.0-0.5-20251114MS	Operator:	YP\AJ
Data file:	FE056885.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	24943734	145.731	300	ug/ml
Aliphatic C12-C16	6.837	10.281	50922461	284.874	200	ug/ml
Aliphatic C16-C21	10.282	13.655	48863751	261.996	300	ug/ml
Aliphatic C21-C28	13.656	17.323	59893085	310.703	400	ug/ml
Aliphatic C28-C40	17.324	22.257	157820217	990.62	600	ug/ml
Aliphatic EPH	3.213	22.257	342443248	1990		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	8698514	41.64		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	5807550	36.05		ug/ml
Aliphatic C9-C28	3.213	17.323	184623031	1000	1200	ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-06MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :		Prep Date : 11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	66.5	E	1	1.29	2.18	mg/kg	FE056886.D	11/17/25 22:42	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	78.1		1	0.99	4.37	mg/kg	FE056886.D	11/17/25 22:42	PB170578
Total AliphaticEPH	Total AliphaticEPH	145			2.28	6.55	mg/kg			
Total EPH	Total EPH	145			2.28	6.55	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MSD			SDG No.:	Q3649
Lab Sample ID:	Q3649-06MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	78.1		1	0.99	4.37	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	66.5	E	1	1.29	2.18	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	35.7			40 - 140	71%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.3			40 - 140	83%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06MSD	Acq On:	17 Nov 2025 22:42
Client Sample ID:	B4-0.0-0.5-20251114MSD	Operator:	YP\AJ
Data file:	FE056886.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	24702803	144.324	300	ug/ml
Aliphatic C12-C16	6.837	10.281	50357853	281.715	200	ug/ml
Aliphatic C16-C21	10.282	13.655	63014933	337.872	300	ug/ml
Aliphatic C21-C28	13.656	17.323	59635129	309.365	400	ug/ml
Aliphatic C28-C40	17.324	22.257	145541185	913.546	600	ug/ml
Aliphatic EPH	3.213	22.257	343251903	1990		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	8631142	41.31		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	5755450	35.72		ug/ml
Aliphatic C9-C28	3.213	17.323	197710718	1070	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FE103025AL

AreaCount

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	47378340.000	25372826.000	10134874.000	5323968.000	2735296.000	
Aliphatic C12-C16	32958436.000	17867364.000	7039199.000	3707774.000	1889371.000	
Aliphatic C16-C21	50634896.000	27807189.000	10962966.000	5844076.000	3012669.000	
Aliphatic C21-C28	65391355.000	36849784.000	14322959.000	8150425.000	4666116.000	
Aliphatic C28-C40	76863576.000	43549713.000	17723612.000	10141838.000	6197225.000	
Aliphatic EPH	273226603.000	151446876.000	60183610.000	33168081.000	18500677.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	171162.641333	5.459				
Aliphatic C12-C16	178754.319	5.236				
Aliphatic C16-C21	186505.4959998	6.59				
Aliphatic C21-C28	192766.144	13.927				
Aliphatic C28-C40	159314.647333	18.927				
Aliphatic EPH	175414.750555	11.628				

Concentration

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	157927.800000	169152.173333	168914.566666	177465.600000	182353.066666	
Aliphatic C12-C16	164792.180000	178673.640000	175979.975000	185388.700000	188937.100000	
Aliphatic C16-C21	168782.986666	185381.260000	182716.100000	194802.533333	200844.600000	

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Inital Calibration Report for SequenceID : FE103025AL

Aliphatic C21-C28	163478.387500	184248.920000	179036.987500	203760.625000	233305.800000	
Aliphatic C28-C40	128105.960000	145165.710000	147696.766666	169030.633333	206574.166666	
Aliphatic EPH	151792.557222	168274.306666	167176.694444	184267.116666	205563.077777	

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Continuing Calibration Report for SequenceID : FE111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056867.D**						
Aliphatic C9-C12	10349661.000	60.000	3.213	6.836	172494.350	171162.641	-0.778
Aliphatic C12-C16	7040992.000	40.000	6.837	10.281	176024.800	178754.319	1.527
Aliphatic C16-C21	10352194.000	60.000	10.282	13.655	172536.567	186505.496	7.490
Aliphatic C21-C28	12779054.000	80.000	13.656	17.323	159738.175	192766.144	17.134
Aliphatic C28-C40	17024804.000	120.000	17.324	22.257	141873.367	159314.647	10.948
Aliphatic EPH	57546705.000	360.000	3.213	22.257	159851.958	175414.751	8.872

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	17 Nov 2025 12:46
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056867.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.213	6.836	10349661.000	60.000	ug/ml
Aliphatic C12-C16	6.837	10.281	7040992.000	40.000	ug/ml
Aliphatic C16-C21	10.282	13.655	10352194.000	60.000	ug/ml
Aliphatic C21-C28	13.656	17.323	12779054.000	80.000	ug/ml
Aliphatic C28-C40	17.324	22.257	17024804.000	120.000	ug/ml
Aliphatic EPH	3.213	22.257	57546705.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056888.D**						
Aliphatic C9-C12	10294596.000	60.000	3.213	6.836	171576.600	171162.641	-0.242
Aliphatic C12-C16	6975467.000	40.000	6.837	10.281	174386.675	178754.319	2.443
Aliphatic C16-C21	10135038.000	60.000	10.282	13.655	168917.300	186505.496	9.430
Aliphatic C21-C28	12593120.000	80.000	13.656	17.323	157414.000	192766.144	18.339
Aliphatic C28-C40	17562142.000	120.000	17.324	22.257	146351.183	159314.647	8.137
Aliphatic EPH	57560363.000	360.000	3.213	22.257	159889.897	175414.751	8.850

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	18 Nov 2025 00:12
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056888.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.213	6.836	10294596.000	60.000	ug/ml
Aliphatic C12-C16	6.837	10.281	6975467.000	40.000	ug/ml
Aliphatic C16-C21	10.282	13.655	10135038.000	60.000	ug/ml
Aliphatic C21-C28	13.656	17.323	12593120.000	80.000	ug/ml
Aliphatic C28-C40	17.324	22.257	17562142.000	120.000	ug/ml
Aliphatic EPH	3.213	22.257	57560363.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056883.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 21:11
Operator : YP\AJ
Sample : Q3649-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114

Integration File: sample.E
Quant Time: Nov 18 11:47:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.954	9890264	47.342 ug/ml
Spiked Amount 50.000		Recovery =	94.68%
12) S 1-chlorooctadecane (S...	13.391	6438282	39.960 ug/ml
Spiked Amount 50.000		Recovery =	79.92%
Target Compounds			

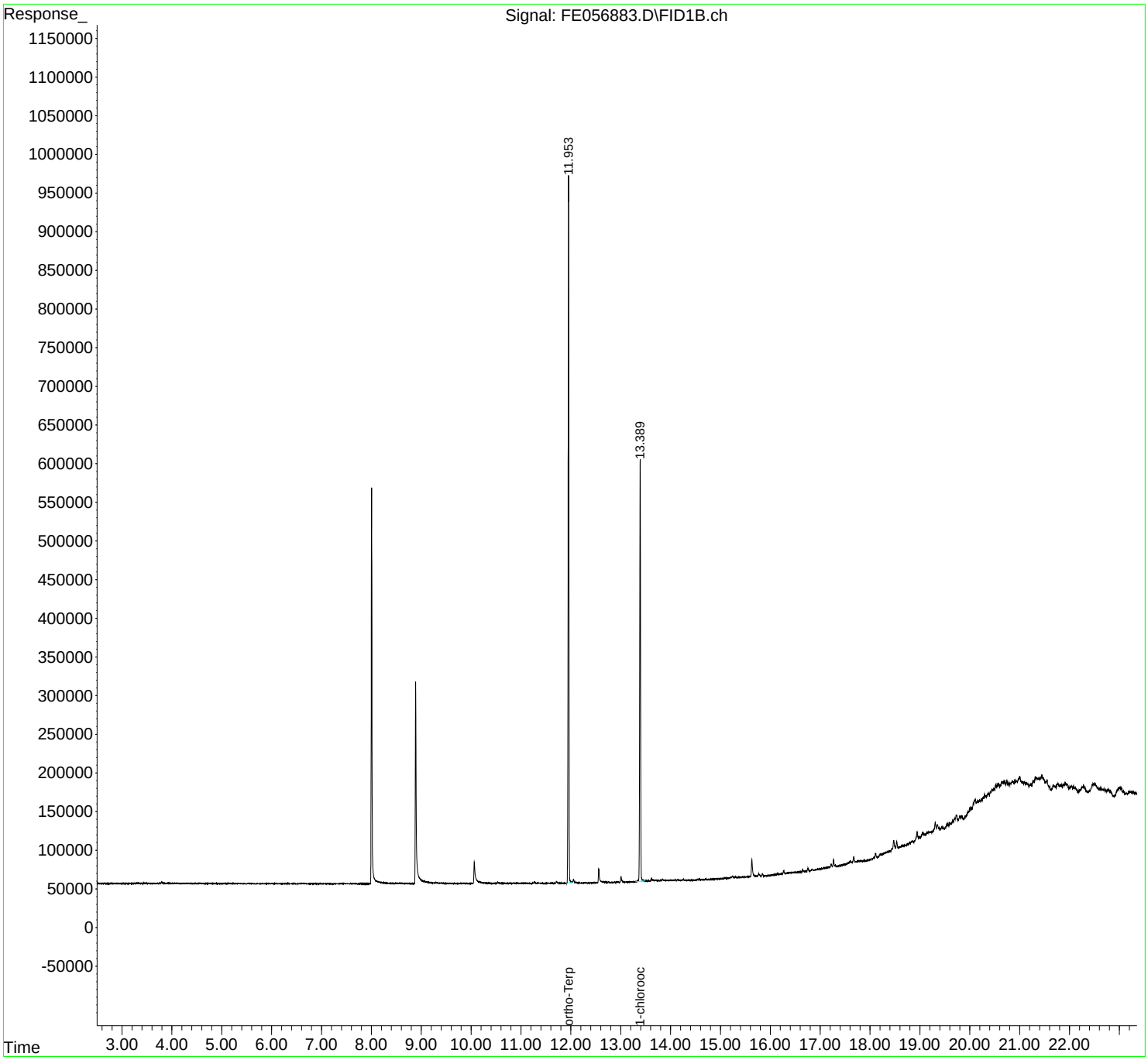
(f)=RT Delta > 1/2 Window (m)=manual int.

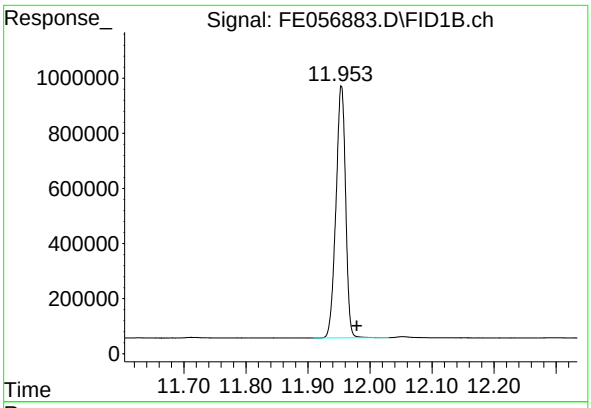
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056883.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 21:11
Operator : YP\AJ
Sample : Q3649-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114

Integration File: sample.E
Quant Time: Nov 18 11:47:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

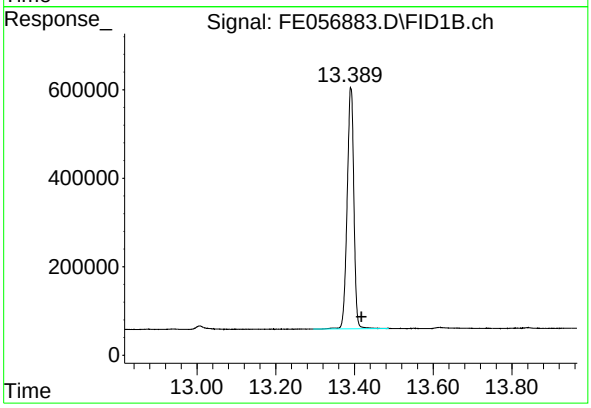




#9 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.025 min
Response: 9890264
Conc: 47.34 ug/ml

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.026 min
Response: 6438282
Conc: 39.96 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056883.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 21:11
Sample : Q3649-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.580	2.524	2.594	BV	65	975	0.01%	0.001%
2	2.637	2.594	2.650	PV	164	2550	0.03%	0.004%
3	2.661	2.650	2.688	PV	132	1209	0.01%	0.002%
4	2.840	2.688	2.935	VV	181	10501	0.11%	0.015%
5	2.944	2.935	2.991	VV	144	3020	0.03%	0.004%
6	3.018	2.991	3.031	VV	148	1586	0.02%	0.002%
7	3.087	3.031	3.151	VV	148	4868	0.05%	0.007%
8	3.268	3.151	3.288	VV	275	12617	0.13%	0.018%
9	3.306	3.288	3.326	VV	529	8658	0.09%	0.012%
10	3.348	3.326	3.378	VV	338	8553	0.09%	0.012%
11	3.390	3.378	3.441	VV	303	9368	0.09%	0.013%
12	3.501	3.441	3.544	VV	389	18704	0.19%	0.026%
13	3.557	3.544	3.571	VV	307	4127	0.04%	0.006%
14	3.579	3.571	3.607	VV	289	5621	0.06%	0.008%
15	3.620	3.607	3.738	VV	340	17514	0.18%	0.025%
16	3.752	3.738	3.770	VV	427	6515	0.07%	0.009%
17	3.795	3.770	3.901	VV	2174	50164	0.50%	0.071%
18	3.919	3.901	3.982	VV	1030	28379	0.29%	0.040%
19	3.993	3.982	4.008	VV	403	5519	0.06%	0.008%
20	4.021	4.008	4.058	VV	368	9380	0.09%	0.013%
21	4.103	4.058	4.141	VV	426	15128	0.15%	0.021%
22	4.150	4.141	4.164	VV	274	3581	0.04%	0.005%
23	4.176	4.164	4.194	VV	246	4052	0.04%	0.006%
24	4.207	4.194	4.223	VV	312	4728	0.05%	0.007%
25	4.258	4.223	4.273	VV	336	7820	0.08%	0.011%
26	4.306	4.273	4.315	VV	363	7575	0.08%	0.011%
27	4.335	4.315	4.355	VV	336	6604	0.07%	0.009%
28	4.364	4.355	4.388	VV	319	5788	0.06%	0.008%
29	4.390	4.388	4.404	VV	373	2788	0.03%	0.004%
30	4.417	4.404	4.470	VV	360	11565	0.12%	0.016%
31	4.481	4.470	4.522	VV	333	8414	0.08%	0.012%
32	4.562	4.522	4.669	VV	502	25536	0.26%	0.036%
33	4.676	4.669	4.708	VV	227	4745	0.05%	0.007%
34	4.739	4.708	4.785	VV	816	18596	0.19%	0.026%
35	4.794	4.785	4.868	VV	260	10387	0.10%	0.015%
36	4.880	4.868	4.899	VV	218	3446	0.03%	0.005%

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37	4.907	4.899	4.927	VV	167	2562	0.03%	0.004%
38	4.935	4.927	4.954	VV	192	2348	0.02%	0.003%
39	4.960	4.954	5.044	VV	215	8957	0.09%	0.013%
40	5.050	5.044	5.106	VV	265	6148	0.06%	0.009%
41	5.138	5.106	5.194	VV	218	7994	0.08%	0.011%
42	5.209	5.194	5.214	VV	126	1316	0.01%	0.002%
43	5.225	5.214	5.288	VV	280	7262	0.07%	0.010%
44	5.306	5.288	5.368	VV	143	4278	0.04%	0.006%
45	5.379	5.368	5.389	VV	79	791	0.01%	0.001%
46	5.398	5.389	5.406	VV	114	556	0.01%	0.001%
47	5.450	5.406	5.461	VV	122	2331	0.02%	0.003%
48	5.469	5.461	5.488	VV	126	1305	0.01%	0.002%
49	5.494	5.488	5.508	VV	100	970	0.01%	0.001%
50	5.548	5.508	5.669	VV	467	19097	0.19%	0.027%
51	5.675	5.669	5.689	VV	94	1152	0.01%	0.002%
52	5.705	5.689	5.786	VV	270	6363	0.06%	0.009%
53	5.809	5.786	5.870	VV	211	6538	0.07%	0.009%
54	5.885	5.870	5.911	VV	180	2731	0.03%	0.004%
55	5.931	5.911	5.954	VV	150	2928	0.03%	0.004%
56	5.976	5.954	6.019	VV	194	5527	0.06%	0.008%
57	6.027	6.019	6.039	VV	163	1453	0.01%	0.002%
58	6.068	6.039	6.098	VV	206	5551	0.06%	0.008%
59	6.109	6.098	6.167	VV	175	4253	0.04%	0.006%
60	6.177	6.167	6.195	VV	146	1831	0.02%	0.003%
61	6.201	6.195	6.218	VV	98	865	0.01%	0.001%
62	6.231	6.218	6.261	VV	163	2798	0.03%	0.004%
63	6.276	6.261	6.296	VV	243	4167	0.04%	0.006%
64	6.314	6.296	6.365	VV	355	9864	0.10%	0.014%
65	6.376	6.365	6.394	VV	209	2701	0.03%	0.004%
66	6.445	6.394	6.495	VV	424	12237	0.12%	0.017%
67	6.503	6.495	6.512	VV	124	1125	0.01%	0.002%
68	6.547	6.512	6.565	VV	193	4174	0.04%	0.006%
69	6.599	6.565	6.617	VV	574	11067	0.11%	0.016%
70	6.628	6.617	6.658	VV	501	8433	0.08%	0.012%
71	6.665	6.658	6.694	VV	210	4026	0.04%	0.006%
72	6.737	6.694	6.801	VV	251	9325	0.09%	0.013%
73	6.808	6.801	6.854	VV	164	3183	0.03%	0.005%
74	6.885	6.854	6.899	VV	133	2226	0.02%	0.003%
75	6.911	6.899	6.925	VV	100	1298	0.01%	0.002%
76	7.036	6.925	7.054	VV	330	12375	0.12%	0.018%
77	7.064	7.054	7.108	VV	245	5033	0.05%	0.007%
78	7.125	7.108	7.135	VV	174	1819	0.02%	0.003%
79	7.147	7.135	7.166	VV	133	1859	0.02%	0.003%
80	7.175	7.166	7.181	PV	143	738	0.01%	0.001%
81	7.292	7.181	7.307	VV	257	10518	0.11%	0.015%
82	7.355	7.307	7.379	VV	326	10427	0.10%	0.015%
83	7.399	7.379	7.437	VV	284	8742	0.09%	0.012%
84	7.458	7.437	7.553	VV	437	16805	0.17%	0.024%
85	7.576	7.553	7.616	VV	320	8283	0.08%	0.012%
86	7.629	7.616	7.648	VV	290	3962	0.04%	0.006%
87	7.681	7.648	7.724	VV	274	8374	0.08%	0.012%
88	7.734	7.724	7.749	VV	102	1564	0.02%	0.002%
89	7.761	7.749	7.799	VV	91	2145	0.02%	0.003%

rteres

90	7.810	7.799	7.843	PV	140	1647	0.02%	0.002%
91	7.857	7.843	7.868	VV	89	937	0.01%	0.001%
92	7.905	7.868	7.933	VV	118	1537	0.02%	0.002%
93	8.313	8.304	8.420	VV	991	51220	0.52%	0.073%
94	8.475	8.420	8.524	VV	762	36694	0.37%	0.052%
95	8.569	8.524	8.595	VV	858	26775	0.27%	0.038%
96	8.614	8.595	8.674	VV	690	21238	0.21%	0.030%
97	8.704	8.674	8.787	VV	519	21661	0.22%	0.031%
98	8.813	8.787	8.861	VV	313	8601	0.09%	0.012%
99	9.309	9.276	9.370	VV	1284	53648	0.54%	0.076%
100	9.398	9.370	9.474	VV	1337	42357	0.43%	0.060%
101	9.483	9.474	9.535	VV	532	14301	0.14%	0.020%
102	9.556	9.535	9.575	VV	349	7737	0.08%	0.011%
103	9.584	9.575	9.641	VV	346	10440	0.11%	0.015%
104	9.644	9.641	9.667	VV	267	3301	0.03%	0.005%
105	9.681	9.667	9.723	VV	254	5971	0.06%	0.008%
106	9.818	9.723	9.844	VV	413	18173	0.18%	0.026%
107	9.850	9.844	9.898	VV	280	8103	0.08%	0.011%
108	9.903	9.898	9.922	VV	232	3052	0.03%	0.004%
109	9.959	9.922	9.984	VV	226	5063	0.05%	0.007%
110	10.016	9.984	10.035	VV	373	4585	0.05%	0.006%
111	10.065	10.035	10.168	VV	27986	588717	5.93%	0.833%
112	10.178	10.168	10.274	VV	2330	84458	0.85%	0.120%
113	10.292	10.274	10.331	VV	787	22859	0.23%	0.032%
114	10.344	10.331	10.438	VV	584	25129	0.25%	0.036%
115	10.461	10.438	10.473	VV	343	5901	0.06%	0.008%
116	10.476	10.473	10.485	VV	295	1819	0.02%	0.003%
117	10.538	10.485	10.594	VV	1820	45056	0.45%	0.064%
118	10.626	10.594	10.688	VV	360	16975	0.17%	0.024%
119	10.715	10.688	10.754	VV	360	8075	0.08%	0.011%
120	10.779	10.754	10.820	VV	332	7475	0.08%	0.011%
121	10.839	10.820	10.869	VV	617	11238	0.11%	0.016%
122	10.893	10.869	10.902	VV	497	7633	0.08%	0.011%
123	10.921	10.902	10.957	VV	763	14494	0.15%	0.021%
124	10.993	10.957	11.012	VV	391	11069	0.11%	0.016%
125	11.034	11.012	11.079	VV	561	12241	0.12%	0.017%
126	11.098	11.079	11.126	VV	331	5691	0.06%	0.008%
127	11.145	11.126	11.191	VV	339	7536	0.08%	0.011%
128	11.271	11.191	11.347	PV	2134	52471	0.53%	0.074%
129	11.365	11.347	11.425	VV	617	13564	0.14%	0.019%
130	11.440	11.425	11.478	VV	139	2972	0.03%	0.004%
131	11.496	11.478	11.529	VV	83	1965	0.02%	0.003%
132	11.559	11.529	11.583	VV	564	8411	0.08%	0.012%
133	11.628	11.583	11.674	VV	706	13556	0.14%	0.019%
134	11.713	11.674	11.768	PV	2284	43823	0.44%	0.062%
135	11.792	11.768	11.811	VV	424	7788	0.08%	0.011%
136	11.823	11.811	11.858	VV	369	5247	0.05%	0.007%
137	11.874	11.858	11.901	VV	370	4608	0.05%	0.007%
138	11.954	11.901	12.029	PV	919709	9934246	100.00%	14.062%
139	12.052	12.029	12.108	VV	4862	100491	1.01%	0.142%
140	12.117	12.108	12.214	VV	785	22882	0.23%	0.032%
141	12.234	12.214	12.261	VV	247	3774	0.04%	0.005%

rteres

142	12.299	12.261	12.343	VV	535	10100	0.10%	0.014%
143	12.361	12.343	12.374	VV	126	1793	0.02%	0.003%
144	12.396	12.374	12.414	PV	484	5813	0.06%	0.008%
145	12.441	12.414	12.478	VV	229	5553	0.06%	0.008%
146	12.506	12.478	12.528	PV	198	3762	0.04%	0.005%
147	12.560	12.528	12.643	VV	18022	292322	2.94%	0.414%
148	12.657	12.643	12.714	VV	1249	34897	0.35%	0.049%
149	12.727	12.714	12.736	VV	448	5130	0.05%	0.007%
150	12.751	12.736	12.800	VV	655	12803	0.13%	0.018%
151	12.820	12.800	12.851	VV	168	2729	0.03%	0.004%
152	12.874	12.851	12.903	PV	517	9105	0.09%	0.013%
153	12.940	12.903	12.975	VV	880	13617	0.14%	0.019%
154	13.007	12.975	13.106	PV	7754	128959	1.30%	0.183%
155	13.151	13.106	13.172	VV	153	2800	0.03%	0.004%
156	13.192	13.172	13.217	PV	227	4701	0.05%	0.007%
157	13.228	13.217	13.246	VV	202	2501	0.03%	0.004%
158	13.391	13.246	13.504	VV	548200	6531726	65.75%	9.245%
159	13.513	13.504	13.533	VV	1031	16210	0.16%	0.023%
160	13.554	13.533	13.590	VV	1399	33213	0.33%	0.047%
161	13.616	13.590	13.719	VV	3165	129579	1.30%	0.183%
162	13.741	13.719	13.775	VV	1059	30740	0.31%	0.044%
163	13.840	13.775	13.888	VV	2256	78361	0.79%	0.111%
164	13.968	13.888	13.984	VV	836	43754	0.44%	0.062%
165	13.996	13.984	14.043	VV	804	23958	0.24%	0.034%
166	14.095	14.043	14.119	VV	1482	40050	0.40%	0.057%
167	14.140	14.119	14.184	VV	1459	31797	0.32%	0.045%
168	14.199	14.184	14.224	VV	589	11078	0.11%	0.016%
169	14.253	14.224	14.318	VV	1873	35524	0.36%	0.050%
170	14.365	14.318	14.408	VV	355	11967	0.12%	0.017%
171	14.410	14.408	14.434	VV	272	1840	0.02%	0.003%
172	14.471	14.434	14.486	VV	166	2660	0.03%	0.004%
173	14.539	14.486	14.561	PV	1051	20103	0.20%	0.028%
174	14.579	14.561	14.604	VV	1487	21056	0.21%	0.030%
175	14.653	14.604	14.677	VV	304	7949	0.08%	0.011%
176	14.704	14.677	14.733	PV	1518	19187	0.19%	0.027%
177	14.772	14.733	14.786	VV	354	5694	0.06%	0.008%
178	14.810	14.786	14.841	VV	326	6528	0.07%	0.009%
179	14.875	14.841	14.884	VV	124	2743	0.03%	0.004%
180	15.032	14.884	15.044	PV	344	17297	0.17%	0.024%
181	15.097	15.044	15.122	VV	643	19658	0.20%	0.028%
182	15.139	15.122	15.151	VV	281	4873	0.05%	0.007%
183	15.245	15.151	15.274	VV	2941	70295	0.71%	0.100%
184	15.296	15.274	15.336	VV	1335	33536	0.34%	0.047%
185	15.407	15.336	15.421	VV	563	26074	0.26%	0.037%
186	15.446	15.421	15.478	VV	692	18120	0.18%	0.026%
187	15.630	15.478	15.734	VV	22447	416481	4.19%	0.590%
188	15.767	15.734	15.811	VV	3374	65523	0.66%	0.093%
189	15.841	15.811	15.878	VV	3306	44063	0.44%	0.062%
190	15.903	15.878	15.931	PV	361	5244	0.05%	0.007%
191	16.096	15.931	16.113	PV	667	18678	0.19%	0.026%
192	16.151	16.113	16.194	VV	1123	32379	0.33%	0.046%
193	16.270	16.194	16.298	VV	4188	79941	0.80%	0.113%
194	16.341	16.298	16.361	VV	827	24615	0.25%	0.035%

rteres

195	16.404	16.361	16.424	VV	551	18027	0.18%	0.026%
196	16.473	16.424	16.498	VV	653	20777	0.21%	0.029%
197	16.510	16.498	16.530	VV	449	6445	0.06%	0.009%
198	16.570	16.530	16.598	VV	671	14226	0.14%	0.020%
199	16.649	16.598	16.691	VV	2328	43815	0.44%	0.062%
200	16.754	16.691	16.788	VV	3896	60568	0.61%	0.086%
201	16.836	16.788	16.868	PV	1885	37433	0.38%	0.053%
202	16.878	16.868	16.891	VV	269	2774	0.03%	0.004%
203	16.955	16.891	16.972	VV	771	20785	0.21%	0.029%
204	17.222	16.972	17.245	VV	4470	136977	1.38%	0.194%
205	17.270	17.245	17.292	VV	8806	116619	1.17%	0.165%
206	17.302	17.292	17.330	VV	1701	19869	0.20%	0.028%
207	17.463	17.330	17.479	PV	918	26194	0.26%	0.037%
208	17.595	17.479	17.626	VV	3305	127412	1.28%	0.180%
209	17.673	17.626	17.708	VV	8859	175581	1.77%	0.249%
210	17.766	17.708	17.783	VV	2023	73853	0.74%	0.105%
211	17.809	17.783	17.831	VV	1558	37670	0.38%	0.053%
212	17.886	17.831	17.921	VV	1305	41752	0.42%	0.059%
213	18.113	17.921	18.142	PV	5695	106166	1.07%	0.150%
214	18.203	18.142	18.219	PV	3470	68730	0.69%	0.097%
215	18.239	18.219	18.248	VV	2572	38768	0.39%	0.055%
216	18.285	18.248	18.295	VV	2953	65919	0.66%	0.093%
217	18.318	18.295	18.329	VV	2943	53051	0.53%	0.075%
218	18.348	18.329	18.361	VV	3321	54951	0.55%	0.078%
219	18.402	18.361	18.414	VV	3056	94308	0.95%	0.133%
220	18.475	18.414	18.513	VV	15371	434073	4.37%	0.614%
221	18.535	18.513	18.571	VV	12807	253372	2.55%	0.359%
222	18.605	18.571	18.614	VV	4249	98755	0.99%	0.140%
223	18.632	18.614	18.648	VV	4907	89017	0.90%	0.126%
224	18.673	18.648	18.683	VV	4125	86414	0.87%	0.122%
225	18.705	18.683	18.720	VV	4243	85441	0.86%	0.121%
226	18.758	18.720	18.766	VV	4642	108444	1.09%	0.153%
227	18.791	18.766	18.803	VV	5548	106991	1.08%	0.151%
228	18.842	18.803	18.878	VV	6678	250249	2.52%	0.354%
229	18.944	18.878	19.011	VV	16127	722458	7.27%	1.023%
230	19.054	19.011	19.095	VV	13275	523793	5.27%	0.741%
231	19.107	19.095	19.119	VV	10615	143728	1.45%	0.203%
232	19.140	19.119	19.174	VV	11725	349776	3.52%	0.495%
233	19.200	19.174	19.214	VV	11520	256366	2.58%	0.363%
234	19.307	19.214	19.328	VV	21011	885295	8.91%	1.253%
235	19.350	19.328	19.406	VV	17327	626857	6.31%	0.887%
236	19.447	19.406	19.461	VV	12243	359031	3.61%	0.508%
237	19.481	19.461	19.496	VV	10265	204775	2.06%	0.290%
238	19.550	19.496	19.562	VV	14987	460640	4.64%	0.652%
239	19.568	19.562	19.577	VV	12586	109461	1.10%	0.155%
240	19.609	19.577	19.621	VV	13547	332265	3.34%	0.470%
241	19.657	19.621	19.673	VV	15823	443285	4.46%	0.627%
242	19.728	19.673	19.761	VV	21686	917909	9.24%	1.299%
243	19.802	19.761	19.831	VV	18539	706179	7.11%	1.000%
244	19.846	19.831	19.881	VV	18438	465437	4.69%	0.659%
245	20.020	19.881	20.031	VV	25533	1737201	17.49%	2.459%
246	20.041	20.031	20.051	VV	24233	286269	2.88%	0.405%

rteres

247	20.110	20.051	20.128	VV	34012	1382276	13.91%	1.957%
248	20.153	20.128	20.168	VV	31003	724371	7.29%	1.025%
249	20.198	20.168	20.211	VV	31212	766914	7.72%	1.086%
250	20.229	20.211	20.253	VV	32337	785882	7.91%	1.112%
251	20.272	20.253	20.281	VV	33376	530201	5.34%	0.750%
252	20.293	20.281	20.321	VV	35591	816823	8.22%	1.156%
253	20.377	20.321	20.394	VV	35690	1506224	15.16%	2.132%
254	20.413	20.394	20.424	VV	37815	642563	6.47%	0.910%
255	20.450	20.424	20.465	VV	40211	933981	9.40%	1.322%
256	20.481	20.465	20.498	VV	40851	791116	7.96%	1.120%
257	20.518	20.498	20.537	VV	43660	958537	9.65%	1.357%
258	20.565	20.537	20.582	VV	44500	1177976	11.86%	1.667%
259	20.586	20.582	20.598	VV	43535	390263	3.93%	0.552%
260	20.650	20.598	20.682	VV	45501	2178576	21.93%	3.084%
261	20.702	20.682	20.719	VV	45768	962009	9.68%	1.362%
262	20.742	20.719	20.755	VV	44514	917652	9.24%	1.299%
263	20.763	20.755	20.772	VV	40475	398140	4.01%	0.564%
264	20.790	20.772	20.803	VV	41051	750961	7.56%	1.063%
265	20.854	20.803	20.887	VV	42532	2021180	20.35%	2.861%
266	20.901	20.887	20.920	VV	42097	794390	8.00%	1.124%
267	20.931	20.920	20.955	VV	40915	852051	8.58%	1.206%
268	20.996	20.955	21.044	VV	43832	2160182	21.74%	3.058%
269	21.054	21.044	21.084	VV	37090	860319	8.66%	1.218%
270	21.095	21.084	21.121	VV	35531	765715	7.71%	1.084%
271	21.135	21.121	21.201	VV	33842	1492981	15.03%	2.113%
272	21.230	21.201	21.244	VV	30716	753272	7.58%	1.066%
273	21.312	21.244	21.320	VV	37887	1501170	15.11%	2.125%
274	21.333	21.320	21.370	VV	36621	1041748	10.49%	1.475%
275	21.388	21.370	21.398	VV	35976	572310	5.76%	0.810%
276	21.445	21.398	21.464	VV	37802	1382796	13.92%	1.957%
277	21.473	21.464	21.511	VV	33519	853205	8.59%	1.208%
278	21.521	21.511	21.532	VV	27139	344459	3.47%	0.488%
279	21.550	21.532	21.633	VV	28855	1271342	12.80%	1.800%
280	21.680	21.633	21.718	VV	19502	855322	8.61%	1.211%
281	21.759	21.718	21.796	VV	19857	826399	8.32%	1.170%
282	21.814	21.796	21.826	VV	17411	285989	2.88%	0.405%
283	21.838	21.826	21.857	VV	16944	288248	2.90%	0.408%
284	21.877	21.857	21.888	VV	17122	276766	2.79%	0.392%
285	21.917	21.888	21.938	VV	17975	489378	4.93%	0.693%
286	21.948	21.938	22.004	VV	15947	471009	4.74%	0.667%
287	22.046	22.004	22.064	VV	10800	341493	3.44%	0.483%
288	22.082	22.064	22.097	VV	9271	163759	1.65%	0.232%
289	22.114	22.097	22.174	VV	7238	196069	1.97%	0.278%
290	22.215	22.174	22.224	PV	1915	19691	0.20%	0.028%
291	22.274	22.224	22.288	PV	1930	62836	0.63%	0.089%

Sum of corrected areas: 70647942

Aliphatic EPH 103025.M Wed Nov 19 07:09:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170578BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BL

Integration File: sample.E
Quant Time: Nov 18 12:26:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.954	8019541	38.387 ug/ml
Spiked Amount 50.000		Recovery =	76.77%
12) S 1-chlorooctadecane (S...	13.390	5040365	31.284 ug/ml
Spiked Amount 50.000		Recovery =	62.57%
Target Compounds			

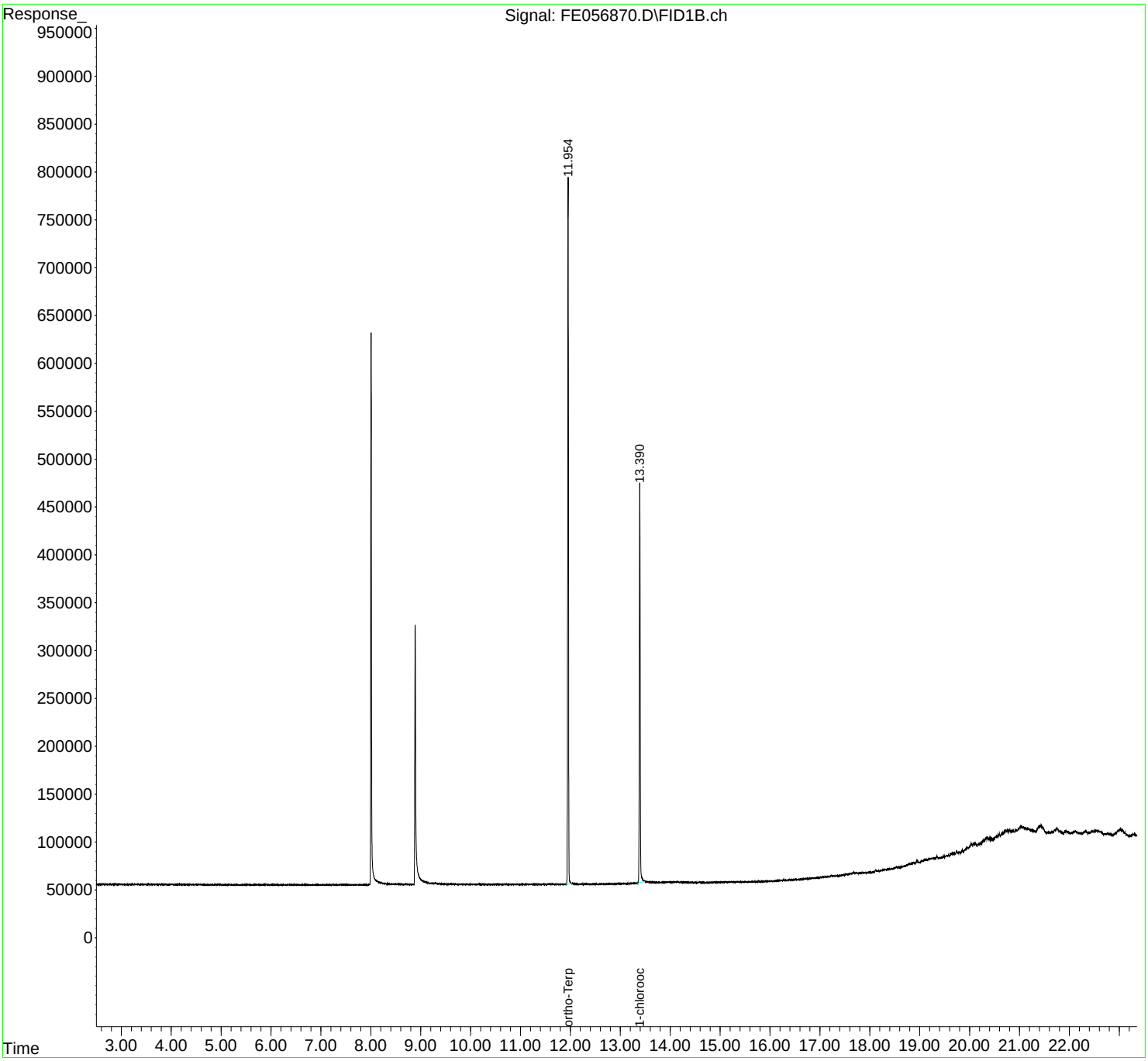
(f)=RT Delta > 1/2 Window (m)=manual int.

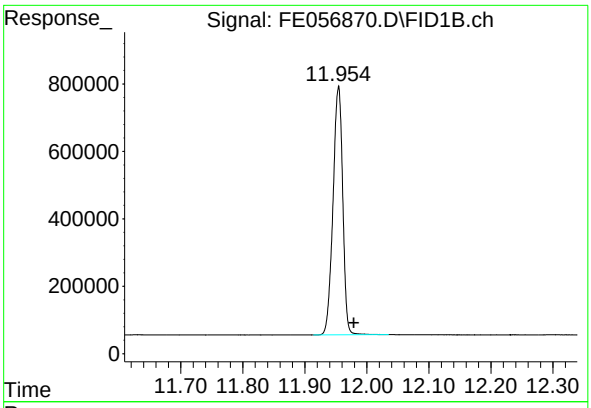
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170578BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BL

Integration File: sample.E
Quant Time: Nov 18 12:26:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

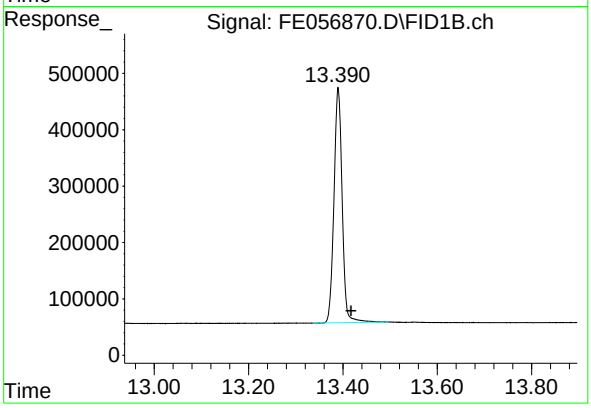




#9 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.025 min
Response: 8019541
Conc: 38.39 ug/ml

Instrument :
FID_E
ClientSampleId :
PB170578BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.027 min
Response: 5040365
Conc: 31.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Sample : PB170578BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.954	11.914	12.035	BB	732364	8019541	100.00%	61.406%
2	13.390	13.337	13.497	BB	416734	5040365	62.85%	38.594%
			Sum of corrected areas:			13059906		

Aliphatic EPH 103025.M Tue Nov 18 12:36:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056871.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:09
Operator : YP\AJ
Sample : PB170578BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BS

Integration File: sample.E
Quant Time: Nov 18 12:26:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.951	6328404	30.292 ug/ml
Spiked Amount	50.000		Recovery =	60.58%
12) S	1-chlorooctadecane (S...	13.388	4243187	26.336 ug/ml
Spiked Amount	50.000		Recovery =	52.67%
	Target Compounds			
1) T	n-Nonane (C9)	3.319	5356610	31.892 ug/ml
2) T	n-Decane (C10)	4.568	5567960	32.448 ug/ml
3) T	A~Naphthalene (C11.7)	6.280	6629848	35.918 ug/ml
4) T	n-Dodecane (C12)	6.736	5849954	33.634 ug/ml
5) T	A~2-methylnaphthalene...	7.378	5940493	33.520 ug/ml
6) T	n-Tetradecane (C14)	8.570	5925860	33.949 ug/ml
7) T	n-Hexadecane (C16)	10.181	5816923	31.794 ug/ml
8) T	n-Octadecane (C18)	11.628	5776552	30.520 ug/ml
10) T	n-Eicosane (C20)	12.941	5739295	30.796 ug/ml
11) T	n-Heneicosane (C21)	13.554	5618913	30.557 ug/ml
13) T	n-Docosane (C22)	14.142	5545586	29.624 ug/ml
14) T	n-Tetracosane (C24)	15.249	11952269	61.023 ug/ml
15) T	n-Hexacosane (C26)	16.274	5344960	27.503 ug/ml
16) T	n-Octacosane (C28)	17.223	5501868	28.410 ug/ml
17) T	n-Tricontane (C30)	18.116	5081523	25.345 ug/ml
18) T	n-Dotriacontane (C32)	18.948	5016056	25.508 ug/ml
19) T	n-Tetratriacontane (C34)	19.733	4958011	28.724 ug/ml
20) T	n-Hexatriacontane (C36)	20.474	4844591	33.490 ug/ml
21) T	n-Octatriacontane (C38)	21.223	4917371	39.070 ug/ml
22) T	n-Tetracontane (C40)	22.158	4964374	42.939 ug/ml

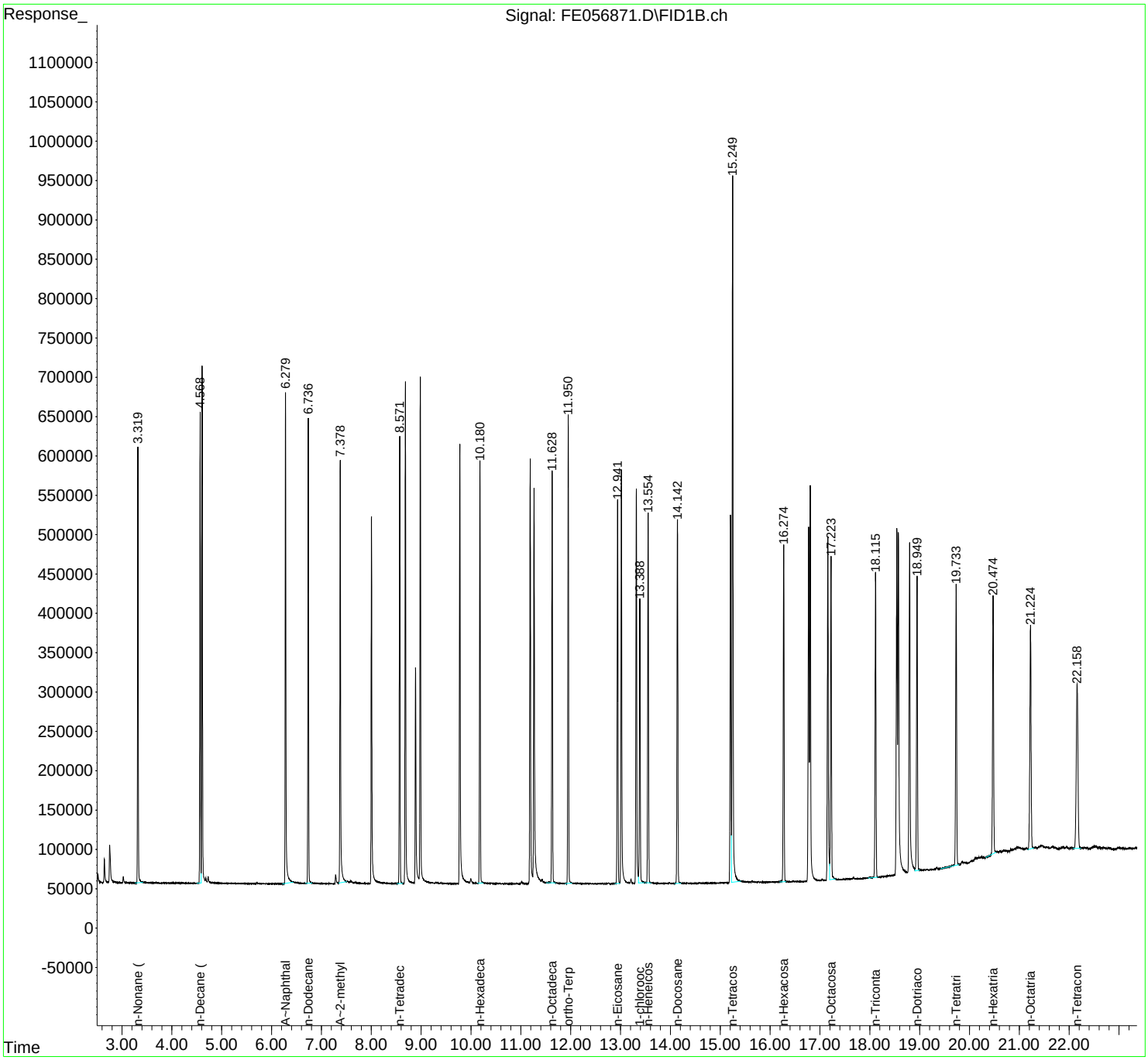
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056871.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:09
Operator : YP\AJ
Sample : PB170578BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BS

Integration File: sample.E
Quant Time: Nov 18 12:26:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056871.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:09
Sample : PB170578BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.646	2.602	2.719	BB	29599	350516	2.93%	0.152%
2	2.753	2.720	2.850	BB	46612	761136	6.37%	0.329%
3	3.026	2.975	3.074	BB	7477	84691	0.71%	0.037%
4	3.319	3.262	3.422	BB	552604	5356610	44.82%	2.319%
5	4.568	4.504	4.587	BV	600400	5567960	46.58%	2.410%
6	4.607	4.587	4.665	VV	656133	6634509	55.51%	2.872%
7	4.729	4.709	4.774	VB	7815	98137	0.82%	0.042%
8	6.280	6.222	6.435	BB	620988	6629848	55.47%	2.870%
9	6.736	6.677	6.815	BB	592041	5849954	48.94%	2.532%
10	7.286	7.232	7.339	BB	10894	136178	1.14%	0.059%
11	7.378	7.339	7.505	BV	537844	5940493	49.70%	2.572%
12	8.005	7.952	8.155	BB	468603	5059231	42.33%	2.190%
13	8.571	8.515	8.637	BB	567453	5925860	49.58%	2.565%
14	8.685	8.642	8.814	BB	640914	6767936	56.62%	2.930%
15	8.888	8.827	8.955	BV	272502	3169456	26.52%	1.372%
16	8.984	8.955	9.127	VB	641917	6864387	57.43%	2.972%
17	9.777	9.724	9.945	BB	559612	6591812	55.15%	2.854%
18	10.181	10.125	10.250	BB	536179	5816923	48.67%	2.518%
19	11.189	11.114	11.239	BV	539041	6143239	51.40%	2.659%
20	11.265	11.239	11.410	VV	501175	6328299	52.95%	2.740%
21	11.628	11.509	11.700	BB	524918	5776552	48.33%	2.501%
22	11.951	11.887	12.027	BB	593453	6328404	52.95%	2.740%
23	12.941	12.880	12.984	BV	489354	5739295	48.02%	2.485%
24	13.018	12.984	13.162	VB	522019	6197038	51.85%	2.683%
25	13.318	13.255	13.360	BV	501899	6106194	51.09%	2.643%
26	13.388	13.360	13.482	VB	361388	4243187	35.50%	1.837%
27	13.554	13.495	13.615	BB	469576	5618913	47.01%	2.432%
28	14.142	14.085	14.217	BB	461700	5545586	46.40%	2.401%
29	15.207	15.147	15.225	BV	464133	5597258	46.83%	2.423%
30	15.249	15.225	15.415	VB	897639	11952269	100.00%	5.174%
31	16.274	16.189	16.327	BB	427783	5344960	44.72%	2.314%
32	16.774	16.704	16.789	BV	449625	5788484	48.43%	2.506%
33	16.807	16.789	16.942	VB	503945	6417486	53.69%	2.778%
34	17.159	17.100	17.194	BV	434342	5732547	47.96%	2.482%
35	17.223	17.194	17.309	VB	412152	5501868	46.03%	2.382%
36	18.116	17.960	18.167	BB	387273	5081523	42.52%	2.200%

rteres

37	18.542	18.479	18.556	BV	439764	5822645	48.72%	2.521%
38	18.573	18.556	18.759	VB	431968	6931745	58.00%	3.001%
39	18.799	18.759	18.910	BV	418037	6497548	54.36%	2.813%
40	18.948	18.910	19.007	VB	373501	5016056	41.97%	2.171%
41	19.733	19.420	19.795	BB	355201	4958011	41.48%	2.146%
42	20.474	20.320	20.537	BV	326627	4844591	40.53%	2.097%
43	21.223	21.172	21.292	PV	284285	4917371	41.14%	2.129%
44	22.158	22.075	22.240	BV	208893	4964374	41.53%	2.149%

Sum of corrected areas: 231001082

Aliphatic EPH 103025.M Tue Nov 18 12:36:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056872.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:39
Operator : YP\AJ
Sample : PB170578BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BSD

Integration File: sample.E
Quant Time: Nov 18 12:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.951	6302921	30.170 ug/ml
Spiked Amount 50.000		Recovery =	60.34%
12) S 1-chlorooctadecane (S...	13.387	4224440	26.220 ug/ml
Spiked Amount 50.000		Recovery =	52.44%
Target Compounds			
1) T n-Nonane (C9)	3.319	5414294	32.235 ug/ml
2) T n-Decane (C10)	4.568	5634400	32.836 ug/ml
3) T A~Naphthalene (C11.7)	6.279	6725616	36.436 ug/ml
4) T n-Dodecane (C12)	6.736	5928358	34.085 ug/ml
5) T A~2-methylnaphthalene...	7.378	6020579	33.972 ug/ml
6) T n-Tetradecane (C14)	8.570	6002030	34.385 ug/ml
7) T n-Hexadecane (C16)	10.181	5890526	32.196 ug/ml
8) T n-Octadecane (C18)	11.628	5832692	30.817 ug/ml
10) T n-Eicosane (C20)	12.941	5786411	31.049 ug/ml
11) T n-Heneicosane (C21)	13.554	5663384	30.799 ug/ml
13) T n-Docosane (C22)	14.142	5582428	29.821 ug/ml
14) T n-Tetracosane (C24)	15.248	12058377	61.565 ug/ml
15) T n-Hexacosane (C26)	16.272	5386677	27.718 ug/ml
16) T n-Octacosane (C28)	17.222	5533314	28.572 ug/ml
17) T n-Tricontane (C30)	18.114	5109129	25.482 ug/ml
18) T n-Dotriacontane (C32)	18.946	5060739	25.735 ug/ml
19) T n-Tetratriacontane (C34)	19.732	4962794	28.752 ug/ml
20) T n-Hexatriacontane (C36)	20.473	4852497	33.545 ug/ml
21) T n-Octatriacontane (C38)	21.222	4909432	39.007 ug/ml
22) T n-Tetracontane (C40)	22.157	5005592	43.296 ug/ml

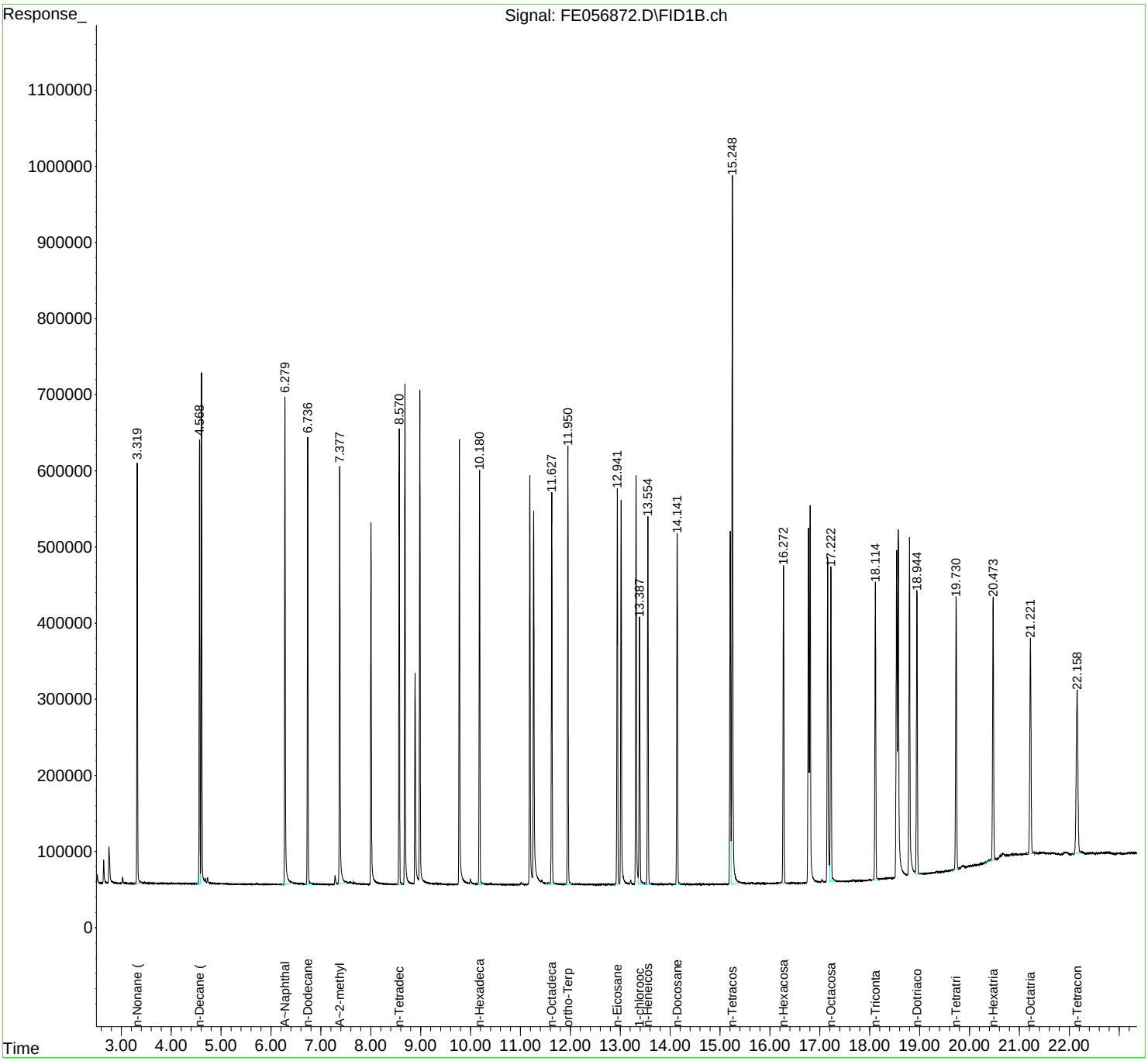
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056872.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:39
Operator : YP\AJ
Sample : PB170578BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BSD

Integration File: sample.E
Quant Time: Nov 18 12:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056872.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:39
Sample : PB170578BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.647	2.602	2.719	BB	30277	352910	2.93%	0.151%
2	2.753	2.719	2.854	BB	47427	772467	6.41%	0.331%
3	3.026	2.980	3.079	BB	7620	91022	0.75%	0.039%
4	3.319	3.259	3.420	BB	550273	5414294	44.90%	2.321%
5	4.568	4.514	4.587	BV	584786	5634400	46.73%	2.416%
6	4.607	4.587	4.665	VV	670356	6720298	55.73%	2.881%
7	4.728	4.709	4.775	VB	7649	102572	0.85%	0.044%
8	6.279	6.222	6.440	BB	637751	6725616	55.78%	2.883%
9	6.736	6.680	6.817	BB	587862	5928358	49.16%	2.542%
10	7.286	7.230	7.339	BB	11338	140480	1.16%	0.060%
11	7.378	7.339	7.505	BV	548204	6020579	49.93%	2.581%
12	8.004	7.945	8.159	BB	476066	5130804	42.55%	2.200%
13	8.570	8.505	8.642	BB	600042	6002030	49.77%	2.573%
14	8.684	8.644	8.817	BB	652634	6853967	56.84%	2.938%
15	8.888	8.834	8.955	BV	275439	3222678	26.73%	1.382%
16	8.984	8.955	9.130	VB	648159	6953445	57.66%	2.981%
17	9.776	9.717	9.942	BB	583612	6638371	55.05%	2.846%
18	10.181	10.125	10.254	BB	543962	5890526	48.85%	2.525%
19	11.188	11.124	11.239	BV	537300	6206702	51.47%	2.661%
20	11.265	11.239	11.410	VV	487857	6396087	53.04%	2.742%
21	11.628	11.509	11.695	BB	515509	5832692	48.37%	2.501%
22	11.951	11.885	12.032	BB	574977	6302921	52.27%	2.702%
23	12.941	12.880	12.982	BV	521420	5786411	47.99%	2.481%
24	13.017	12.982	13.150	VB	504516	6230277	51.67%	2.671%
25	13.317	13.255	13.359	BV	537497	6148797	50.99%	2.636%
26	13.387	13.359	13.474	VB	351347	4224440	35.03%	1.811%
27	13.554	13.489	13.620	BB	482591	5663384	46.97%	2.428%
28	14.142	14.084	14.209	BB	461420	5582428	46.30%	2.393%
29	15.205	15.149	15.224	BV	462705	5662510	46.96%	2.428%
30	15.248	15.224	15.417	VB	926465	12058377	100.00%	5.170%
31	16.272	16.189	16.324	BB	416793	5386677	44.67%	2.309%
32	16.774	16.705	16.788	BV	466296	5839715	48.43%	2.504%
33	16.806	16.788	16.930	VB	493201	6475885	53.70%	2.776%
34	17.158	17.100	17.194	BV	424020	5809313	48.18%	2.491%
35	17.222	17.194	17.310	VB	411841	5533314	45.89%	2.372%
36	18.114	18.039	18.174	BB	391288	5109129	42.37%	2.190%

rteres

37	18.541	18.467	18.555	BV	430524	5853671	48.54%	2.510%
38	18.572	18.555	18.752	VB	457663	7032298	58.32%	3.015%
39	18.797	18.752	18.905	BV	439593	6529720	54.15%	2.799%
40	18.946	18.905	19.005	VB	371200	5060739	41.97%	2.170%
41	19.732	19.655	19.785	BB	353952	4962794	41.16%	2.128%
42	20.473	20.320	20.515	BB	344843	4852497	40.24%	2.080%
43	20.670	20.550	20.734	BB	4205	197813	1.64%	0.085%
44	21.222	21.145	21.312	BB	281750	4909432	40.71%	2.105%
45	22.157	22.062	22.244	BB	213985	5005592	41.51%	2.146%

Sum of corrected areas: 233248432

Aliphatic EPH 103025.M Tue Nov 18 12:36:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056885.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:12
Operator : YP\AJ
Sample : Q3649-06MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
Quant Time: Nov 18 12:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.953	8698514	41.637 ug/ml
Spiked Amount	50.000	Recovery	=	83.27%
12)	S 1-chlorooctadecane (S...	13.389	5807550	36.046 ug/ml
Spiked Amount	50.000	Recovery	=	72.09%
	Target Compounds			
1)	T n-Nonane (C9)	3.310	3845576	22.895 ug/ml
2)	T n-Decane (C10)	4.604	4964848	28.934 ug/ml
3)	T A~Naphthalene (C11.7)	6.279	5493344	29.761 ug/ml
4)	T n-Dodecane (C12)	6.736	5084385	29.232 ug/ml
5)	T A~2-methylnaphthalene...	7.378	5395025	30.442 ug/ml
6)	T n-Tetradecane (C14)	8.571	5903352	33.820 ug/ml
7)	T n-Hexadecane (C16)	10.182	6352778	34.723 ug/ml
8)	T n-Octadecane (C18)	11.629	6430505	33.975 ug/ml
10)	T n-Eicosane (C20)	12.943	6373911	34.201 ug/ml
11)	T n-Heneicosane (C21)	13.556	6240456	33.937 ug/mlm
13)	T n-Docosane (C22)	14.143	6203007	33.136 ug/ml
14)	T n-Tetracosane (C24)	15.250	13161254	67.196 ug/ml
15)	T n-Hexacosane (C26)	16.274	5962647	30.682 ug/ml
16)	T n-Octacosane (C28)	17.225	5899047	30.461 ug/ml
17)	T n-Tricontane (C30)	18.117	5683991	28.350 ug/ml
18)	T n-Dotriacontane (C32)	18.949	5662754	28.796 ug/ml
19)	T n-Tetratriacontane (C34)	19.734	5616036	32.536 ug/ml
20)	T n-Hexatriacontane (C36)	20.476	5734360	39.641 ug/ml
21)	T n-Octatriacontane (C38)	21.225	5504036	43.731 ug/ml
22)	T n-Tetracontane (C40)	22.160	5497448	47.550 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

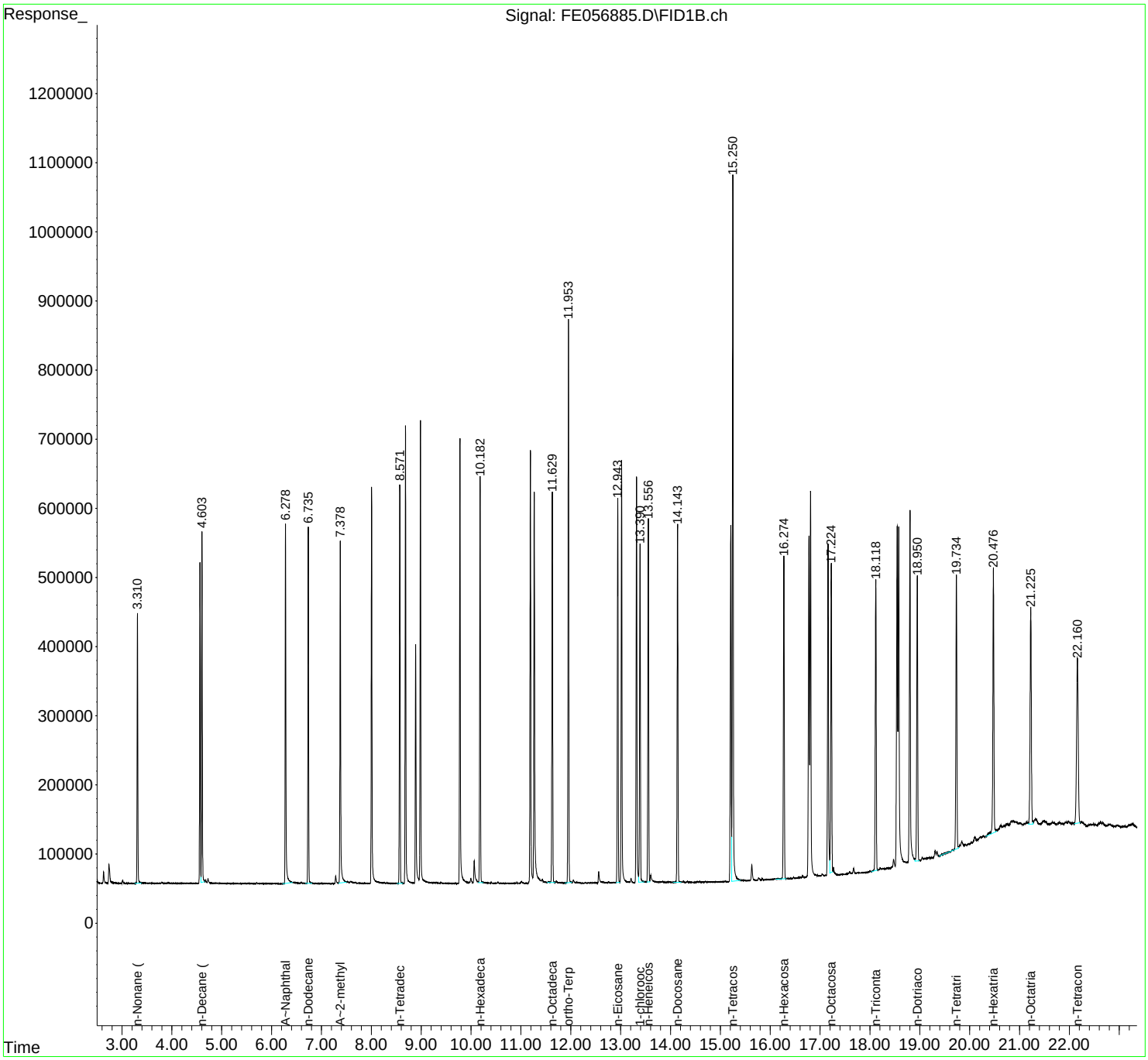
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056885.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:12
Operator : YP\AJ
Sample : Q3649-06MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Nov 18 12:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



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rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Supervised By :Sohil Jodhani 11/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11172
Data File : FE056885.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:12
Sample : Q3649-06MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.631	2.558	2.713	BV	16401	198105	1.49%	0.051%
2	2.739	2.713	2.937	VV	27259	494309	3.73%	0.127%
3	2.949	2.937	2.988	VV	277	4052	0.03%	0.001%
4	3.014	2.988	3.067	VV	5017	62218	0.47%	0.016%
5	3.081	3.067	3.091	VV	262	3301	0.02%	0.001%
6	3.098	3.091	3.152	VV	353	4163	0.03%	0.001%
7	3.180	3.152	3.200	PV	169	2515	0.02%	0.001%
8	3.219	3.200	3.235	PV	128	1393	0.01%	0.000%
9	3.245	3.235	3.258	VV	125	1253	0.01%	0.000%
10	3.310	3.258	3.441	VV	388681	3899314	29.41%	1.004%
11	3.457	3.441	3.498	VV	754	19184	0.14%	0.005%
12	3.523	3.498	3.537	VV	531	10790	0.08%	0.003%
13	3.549	3.537	3.574	VV	498	9104	0.07%	0.002%
14	3.589	3.574	3.609	VV	384	7000	0.05%	0.002%
15	3.624	3.609	3.633	VV	488	5652	0.04%	0.001%
16	3.643	3.633	3.665	VV	465	7122	0.05%	0.002%
17	3.684	3.665	3.725	VV	472	11219	0.08%	0.003%
18	3.759	3.725	3.777	VV	478	9830	0.07%	0.003%
19	3.799	3.777	3.888	VV	1522	39285	0.30%	0.010%
20	3.922	3.888	3.973	VV	799	26906	0.20%	0.007%
21	3.998	3.973	4.063	VV	441	18487	0.14%	0.005%
22	4.102	4.063	4.120	VV	384	10591	0.08%	0.003%
23	4.138	4.120	4.160	VV	472	8738	0.07%	0.002%
24	4.180	4.160	4.198	VV	352	6869	0.05%	0.002%
25	4.214	4.198	4.248	VV	550	11176	0.08%	0.003%
26	4.254	4.248	4.271	VV	340	4040	0.03%	0.001%
27	4.306	4.271	4.321	VV	529	12055	0.09%	0.003%
28	4.343	4.321	4.363	VV	400	8933	0.07%	0.002%
29	4.379	4.363	4.424	VV	433	12501	0.09%	0.003%
30	4.436	4.424	4.445	VV	317	3703	0.03%	0.001%
31	4.457	4.445	4.488	VV	376	8877	0.07%	0.002%
32	4.501	4.488	4.524	VV	366	6902	0.05%	0.002%
33	4.564	4.524	4.584	VV	464339	4350361	32.81%	1.120%
34	4.604	4.584	4.661	VV	505983	5067579	38.22%	1.304%
35	4.678	4.661	4.704	VV	5642	88518	0.67%	0.023%
36	4.725	4.704	4.834	VV	6908	149462	1.13%	0.038%

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rteres

37	4.844	4.834	4.859	VV	721	9745	0.07%	0.003%
38	4.872	4.859	4.898	VV	714	13703		
39	4.904	4.898	4.918	VV	553	6725		
40	4.929	4.918	4.965	VV	598	13188		
41	4.988	4.965	5.044	VV	442	16903		
42	5.074	5.044	5.104	VV	384	10826		
43	5.119	5.104	5.128	VV	302	3788	0.03%	0.001%
44	5.141	5.128	5.154	VV	299	4266	0.03%	0.001%
45	5.158	5.154	5.185	VV	294	4160	0.03%	0.001%
46	5.193	5.185	5.217	VV	210	4414	0.03%	0.001%
47	5.229	5.217	5.269	VV	300	7098	0.05%	0.002%
48	5.278	5.269	5.329	VV	250	6662	0.05%	0.002%
49	5.336	5.329	5.367	VV	175	3032	0.02%	0.001%
50	5.382	5.367	5.395	VV	238	2396	0.02%	0.001%
51	5.407	5.395	5.431	VV	177	2623	0.02%	0.001%
52	5.445	5.431	5.491	VV	183	4576	0.03%	0.001%
53	5.498	5.491	5.507	VV	161	1173	0.01%	0.000%
54	5.543	5.507	5.626	VV	461	17987	0.14%	0.005%
55	5.633	5.626	5.677	VV	131	3484	0.03%	0.001%
56	5.703	5.677	5.786	VV	1527	21291	0.16%	0.005%
57	5.821	5.786	5.848	VV	217	5557	0.04%	0.001%
58	5.856	5.848	5.867	VV	199	1562	0.01%	0.000%
59	5.883	5.867	5.931	VV	203	5399	0.04%	0.001%
60	5.942	5.931	5.949	VV	153	1309	0.01%	0.000%
61	5.959	5.949	5.990	VV	145	3322	0.03%	0.001%
62	6.008	5.990	6.031	VV	220	3527	0.03%	0.001%
63	6.049	6.031	6.055	VV	145	1289	0.01%	0.000%
64	6.071	6.055	6.091	VV	169	2849	0.02%	0.001%
65	6.105	6.091	6.151	VV	143	2906	0.02%	0.001%
66	6.161	6.151	6.212	VV	88	1289	0.01%	0.000%
67	6.226	6.212	6.246	PV	69	1140	0.01%	0.000%
68	6.279	6.246	6.433	VV	516835	5620432	42.39%	1.447%
69	6.443	6.433	6.574	VV	1943	100834	0.76%	0.026%
70	6.596	6.574	6.700	VV	1324	63233	0.48%	0.016%
71	6.736	6.700	6.868	VV	513196	5154202	38.87%	1.327%
72	6.887	6.868	6.945	VV	732	24708	0.19%	0.006%
73	6.958	6.945	6.989	VV	431	10110	0.08%	0.003%
74	6.996	6.989	7.007	VV	352	3772	0.03%	0.001%
75	7.018	7.007	7.052	VV	363	8531	0.06%	0.002%
76	7.064	7.052	7.111	VV	284	8619	0.07%	0.002%
77	7.124	7.111	7.134	VV	200	2421	0.02%	0.001%
78	7.144	7.134	7.169	VV	203	2959	0.02%	0.001%
79	7.192	7.169	7.241	VV	182	4827	0.04%	0.001%
80	7.252	7.241	7.257	VV	91	627	0.00%	0.000%
81	7.286	7.257	7.340	VV	11209	165734	1.25%	0.043%
82	7.378	7.340	7.506	VV	493692	5555384	41.90%	1.430%
83	7.522	7.506	7.554	VV	3039	68966	0.52%	0.018%
84	7.583	7.554	7.644	VV	3222	117070	0.88%	0.030%
85	7.657	7.644	7.670	VV	1827	25192	0.19%	0.006%
86	7.683	7.670	7.720	VV	2058	37816	0.29%	0.010%
87	7.746	7.720	7.759	VV	977	20589	0.16%	0.005%
88	7.773	7.759	7.836	VV	978	27831	0.21%	0.007%
89	7.863	7.836	7.885	VV	967	16502	0.12%	0.004%

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90	7.900	7.885	7.948	VV	457	12563	0.09%	0.003%
91	8.005	7.948	8.240	VV	573341	6253347	47	
92	8.259	8.240	8.298	VV	1239	31713	0	
93	8.314	8.298	8.349	VV	1021	22140	0	
94	8.359	8.349	8.454	VV	533	25816	0	
95	8.476	8.454	8.503	VV	631	12691	0	
96	8.510	8.503	8.522	VV	321	3459	0.03%	0.001%
97	8.571	8.522	8.651	VV	578689	5938887	44.79%	1.529%
98	8.685	8.651	8.861	VV	657037	6812327	51.38%	1.754%
99	8.889	8.861	8.958	VV	344142	3931767	29.65%	1.012%
100	8.985	8.958	9.274	VV	668137	7232100	54.55%	1.862%
101	9.307	9.274	9.362	VV	1363	52804	0.40%	0.014%
102	9.397	9.362	9.475	VV	2011	50522	0.38%	0.013%
103	9.482	9.475	9.508	VV	411	6918	0.05%	0.002%
104	9.516	9.508	9.567	VV	323	10076	0.08%	0.003%
105	9.580	9.567	9.638	VV	367	9944	0.08%	0.003%
106	9.651	9.638	9.664	VV	188	2466	0.02%	0.001%
107	9.693	9.664	9.708	VV	166	3199	0.02%	0.001%
108	9.734	9.708	9.743	PV	100	1365	0.01%	0.000%
109	9.778	9.743	9.973	VV	645376	7157688	53.99%	1.842%
110	9.997	9.973	10.041	VV	7525	139320	1.05%	0.036%
111	10.064	10.041	10.147	VV	32554	608069	4.59%	0.157%
112	10.182	10.147	10.384	VV	583571	6501622	49.04%	1.674%
113	10.406	10.384	10.438	VV	1584	25000	0.19%	0.006%
114	10.478	10.438	10.498	VV	400	10959	0.08%	0.003%
115	10.537	10.498	10.618	VV	1627	38713	0.29%	0.010%
116	10.643	10.618	10.654	VV	278	4881	0.04%	0.001%
117	10.661	10.654	10.698	VV	234	2958	0.02%	0.001%
118	10.716	10.698	10.730	VV	259	2284	0.02%	0.001%
119	10.744	10.730	10.760	VV	117	1264	0.01%	0.000%
120	10.778	10.760	10.800	PV	239	2854	0.02%	0.001%
121	10.810	10.800	10.823	VV	167	1608	0.01%	0.000%
122	10.842	10.823	10.863	VV	409	5835	0.04%	0.002%
123	10.889	10.863	10.901	VV	334	5612	0.04%	0.001%
124	10.921	10.901	10.958	VV	796	11442	0.09%	0.003%
125	11.008	10.958	11.082	VV	2942	67038	0.51%	0.017%
126	11.097	11.082	11.122	VV	272	3395	0.03%	0.001%
127	11.191	11.122	11.237	PV	626103	6876306	51.86%	1.770%
128	11.267	11.237	11.410	VV	563736	7289981	54.98%	1.876%
129	11.429	11.410	11.524	VV	5897	171874	1.30%	0.044%
130	11.557	11.524	11.591	VV	2242	68740	0.52%	0.018%
131	11.629	11.591	11.691	VV	565610	6481877	48.89%	1.668%
132	11.711	11.691	11.778	VV	3254	77699	0.59%	0.020%
133	11.790	11.778	11.812	VV	796	13436	0.10%	0.003%
134	11.822	11.812	11.851	VV	669	10491	0.08%	0.003%
135	11.873	11.851	11.906	VV	537	10489	0.08%	0.003%
136	11.953	11.906	12.031	VV	816574	8761723	66.08%	2.255%
137	12.052	12.031	12.100	VV	4773	91209	0.69%	0.023%
138	12.119	12.100	12.140	VV	1284	21998	0.17%	0.006%
139	12.151	12.140	12.170	VV	671	9837	0.07%	0.003%
140	12.185	12.170	12.216	VV	495	9442	0.07%	0.002%
141	12.234	12.216	12.258	VV	220	3703	0.03%	0.001%

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rteres

142	12.296	12.258	12.341	PV	608	11462	0.09%	0.003%
143	12.362	12.341	12.381	VV	336	5244		
144	12.397	12.381	12.414	VV	604	7162		
145	12.448	12.414	12.481	VV	312	8451		
146	12.504	12.481	12.523	VV	416	6585		
147	12.560	12.523	12.644	VV	16557	284681		
148	12.655	12.644	12.737	VV	1226	37111	0.28%	0.010%
149	12.762	12.737	12.792	VV	1534	24101	0.18%	0.006%
150	12.825	12.792	12.852	VV	424	11019	0.08%	0.003%
151	12.876	12.852	12.908	VV	727	18795	0.14%	0.005%
152	12.943	12.908	12.982	VV	549255	6399282	48.26%	1.647%
153	13.020	12.982	13.183	VV	613354	7114867	53.66%	1.831%
154	13.209	13.183	13.284	VV	6580	110542	0.83%	0.028%
155	13.320	13.284	13.361	VV	597027	6907140	52.10%	1.778%
156	13.389	13.361	13.481	VV	478873	5872913	44.29%	1.512%
157	13.495	13.481	13.517	VV	1251	24518	0.18%	0.006%
158	13.556	13.517	13.586	VV	522563	6284230	47.40%	1.618%
159	13.605	13.586	13.722	VV	10924	287636	2.17%	0.074%
160	13.731	13.722	13.769	VV	956	22322	0.17%	0.006%
161	13.805	13.769	13.820	VV	1147	25198	0.19%	0.006%
162	13.840	13.820	13.868	VV	1770	30661	0.23%	0.008%
163	13.932	13.868	13.952	VV	909	25803	0.19%	0.007%
164	13.983	13.952	14.017	VV	1381	26057	0.20%	0.007%
165	14.093	14.017	14.106	VV	1265	24956	0.19%	0.006%
166	14.143	14.106	14.225	VV	514397	6201516	46.77%	1.596%
167	14.253	14.225	14.308	VV	1470	27913	0.21%	0.007%
168	14.337	14.308	14.371	PV	1370	20810	0.16%	0.005%
169	14.376	14.371	14.431	VV	220	4850	0.04%	0.001%
170	14.471	14.431	14.494	VV	184	2035	0.02%	0.001%
171	14.539	14.494	14.560	PV	1065	18994	0.14%	0.005%
172	14.580	14.560	14.607	VV	1351	19598	0.15%	0.005%
173	14.655	14.607	14.673	VV	284	5806	0.04%	0.001%
174	14.705	14.673	14.730	PV	1451	17242	0.13%	0.004%
175	14.769	14.730	14.788	VV	332	7121	0.05%	0.002%
176	14.811	14.788	14.824	VV	316	4684	0.04%	0.001%
177	14.834	14.824	14.847	VV	209	1903	0.01%	0.000%
178	14.868	14.847	14.888	VV	145	2228	0.02%	0.001%
179	14.917	14.888	14.942	PV	271	3870	0.03%	0.001%
180	14.989	14.942	15.000	VV	179	4846	0.04%	0.001%
181	15.030	15.000	15.047	VV	356	5874	0.04%	0.002%
182	15.098	15.047	15.138	VV	875	17915	0.14%	0.005%
183	15.208	15.138	15.226	PV	513819	6404806	48.31%	1.649%
184	15.250	15.226	15.426	VV	1026907	13258655	100.00%	3.413%
185	15.444	15.426	15.549	VV	1151	44709	0.34%	0.012%
186	15.631	15.549	15.710	VV	22677	364013	2.75%	0.094%
187	15.724	15.710	15.738	VV	264	3710	0.03%	0.001%
188	15.767	15.738	15.811	VV	3460	60249	0.45%	0.016%
189	15.841	15.811	15.879	VV	2676	34197	0.26%	0.009%
190	15.902	15.879	15.924	VV	339	4775	0.04%	0.001%
191	15.959	15.924	15.983	VV	374	5887	0.04%	0.002%
192	15.992	15.983	15.998	VV	137	698	0.01%	0.000%
193	16.029	15.998	16.038	VV	223	3095	0.02%	0.001%
194	16.046	16.038	16.061	VV	200	1863	0.01%	0.000%

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					rteres			
195	16.092	16.061	16.112	VV	574	8742	0.07%	0.002%
196	16.150	16.112	16.187	VV	992	21024		
197	16.274	16.187	16.320	VV	468057	5960741	4	
198	16.340	16.320	16.377	VV	411	7858		
199	16.411	16.377	16.427	VV	191	3195		
200	16.470	16.427	16.498	PV	1451	21536		
201	16.586	16.498	16.601	VV	730	22420	0.17%	0.006%
202	16.649	16.601	16.683	VV	2832	64722	0.49%	0.017%
203	16.719	16.683	16.727	VV	1127	24444	0.18%	0.006%
204	16.777	16.727	16.792	VV	495100	6630500	50.01%	1.707%
205	16.809	16.792	16.938	VV	558316	7214787	54.42%	1.857%
206	16.949	16.938	17.011	VV	2383	82609	0.62%	0.021%
207	17.043	17.011	17.088	VV	4066	110405	0.83%	0.028%
208	17.104	17.088	17.121	VV	2126	36687	0.28%	0.009%
209	17.161	17.121	17.194	VV	478906	6525657	49.22%	1.680%
210	17.225	17.194	17.255	VV	452290	6124773	46.19%	1.577%
211	17.270	17.255	17.382	VV	12596	324126	2.44%	0.083%
212	17.512	17.382	17.521	VV	2122	155482	1.17%	0.040%
213	17.594	17.521	17.623	VV	4633	189501	1.43%	0.049%
214	17.673	17.623	17.732	VV	10183	285853	2.16%	0.074%
215	17.760	17.732	17.781	VV	3209	86726	0.65%	0.022%
216	17.797	17.781	17.828	VV	2857	78155	0.59%	0.020%
217	17.842	17.828	17.866	VV	2944	63726	0.48%	0.016%
218	17.901	17.866	17.924	VV	2961	98937	0.75%	0.025%
219	18.004	17.924	18.025	VV	4920	209411	1.58%	0.054%
220	18.117	18.025	18.154	VV	427300	6037244	45.53%	1.554%
221	18.207	18.154	18.238	VV	8276	330121	2.49%	0.085%
222	18.289	18.238	18.304	VV	6988	272324	2.05%	0.070%
223	18.350	18.304	18.370	VV	7545	286386	2.16%	0.074%
224	18.386	18.370	18.409	VV	7333	167145	1.26%	0.043%
225	18.474	18.409	18.508	VV	19503	676336	5.10%	0.174%
226	18.545	18.508	18.559	VV	495735	7113692	53.65%	1.831%
227	18.576	18.559	18.725	VV	505500	8657864	65.30%	2.229%
228	18.741	18.725	18.761	VV	14610	317025	2.39%	0.082%
229	18.803	18.761	18.906	VV	516555	8517258	64.24%	2.192%
230	18.949	18.906	18.997	VV	425870	6509989	49.10%	1.676%
231	19.049	18.997	19.083	VV	20006	915011	6.90%	0.236%
232	19.107	19.083	19.128	VV	18720	493990	3.73%	0.127%
233	19.149	19.128	19.161	VV	18820	363427	2.74%	0.094%
234	19.193	19.161	19.211	VV	18995	562639	4.24%	0.145%
235	19.239	19.211	19.251	VV	19338	455202	3.43%	0.117%
236	19.306	19.251	19.326	VV	28343	1019823	7.69%	0.263%
237	19.344	19.326	19.384	VV	27743	841470	6.35%	0.217%
238	19.445	19.384	19.459	VV	23066	981701	7.40%	0.253%
239	19.543	19.459	19.558	VV	25713	1446201	10.91%	0.372%
240	19.593	19.558	19.604	VV	26489	727625	5.49%	0.187%
241	19.734	19.604	19.776	VV	427434	8535287	64.38%	2.197%
242	19.806	19.776	19.813	VV	34892	754066	5.69%	0.194%
243	19.842	19.813	19.881	VV	39912	1506656	11.36%	0.388%
244	19.915	19.881	19.939	VV	35371	1198934	9.04%	0.309%
245	20.033	19.939	20.052	VV	37772	2456416	18.53%	0.632%
246	20.105	20.052	20.134	VV	46124	2041896	15.40%	0.526%

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

rteres

247	20.148	20.134	20.162	VV	41739	697126	5.26%	0.179%
248	20.212	20.162	20.238	VV	44827	1980050	14	
249	20.266	20.238	20.306	VV	46339	1859494	14	
250	20.405	20.306	20.418	VV	51334	3256762	24	
251	20.476	20.418	20.549	VV	429159	9586027	72	
252	20.614	20.549	20.625	VV	59912	2562761	19	
253	20.636	20.625	20.663	VV	60067	1360522	10.26%	0.350%
254	20.735	20.663	20.749	VV	62208	3070557	23.16%	0.790%
255	20.763	20.749	20.779	VV	62330	1118557	8.44%	0.288%
256	20.838	20.779	20.850	VV	65629	2674165	20.17%	0.688%
257	20.863	20.850	20.898	VV	66171	1905333	14.37%	0.490%
258	20.907	20.898	20.974	VV	64873	2892860	21.82%	0.745%
259	20.989	20.974	21.007	VV	63042	1237616	9.33%	0.319%
260	21.020	21.007	21.053	VV	62412	1682019	12.69%	0.433%
261	21.066	21.053	21.077	VV	60211	851782	6.42%	0.219%
262	21.098	21.077	21.112	VV	60993	1271766	9.59%	0.327%
263	21.138	21.112	21.157	VV	62731	1663559	12.55%	0.428%
264	21.168	21.157	21.178	VV	62220	801741	6.05%	0.206%
265	21.225	21.178	21.269	VV	370365	8754143	66.03%	2.253%
266	21.333	21.269	21.395	VV	67212	4820810	36.36%	1.241%
267	21.407	21.395	21.418	VV	60066	811153	6.12%	0.209%
268	21.492	21.418	21.565	VV	64118	5433883	40.98%	1.399%
269	21.661	21.565	21.750	VV	61270	6540428	49.33%	1.684%
270	21.804	21.750	21.889	VV	59929	4910048	37.03%	1.264%
271	21.930	21.889	21.951	VV	59941	2188754	16.51%	0.563%
272	21.979	21.951	21.989	VV	60384	1373098	10.36%	0.353%
273	21.998	21.989	22.044	VV	60347	1918851	14.47%	0.494%
274	22.055	22.044	22.067	VV	58217	804462	6.07%	0.207%
275	22.079	22.067	22.097	VV	58475	1032444	7.79%	0.266%
276	22.160	22.097	22.220	VV	297008	9785919	73.81%	2.519%
277	22.247	22.220	22.357	VV	59289	4620008	34.85%	1.189%
278	22.386	22.357	22.411	VV	54690	1747284	13.18%	0.450%
279	22.428	22.411	22.444	VV	55237	1091762	8.23%	0.281%
280	22.467	22.444	22.499	VV	55040	1805198	13.62%	0.465%
281	22.509	22.499	22.556	VV	54275	1830341	13.80%	0.471%
282	22.586	22.556	22.596	VV	55384	1280369	9.66%	0.330%
283	22.623	22.596	22.652	VV	57125	1894699	14.29%	0.488%
284	22.668	22.652	22.734	VV	56066	2677310	20.19%	0.689%
285	22.755	22.734	22.766	VV	52516	992215	7.48%	0.255%
286	22.811	22.766	22.897	VV	53529	4069574	30.69%	1.048%
287	22.907	22.897	22.925	VV	50809	847226	6.39%	0.218%
288	22.963	22.925	23.028	VV	51653	3113999	23.49%	0.802%
289	23.045	23.028	23.064	VV	49208	1054636	7.95%	0.271%
290	23.113	23.064	23.145	VV	49660	2388131	18.01%	0.615%
291	23.195	23.145	23.215	VV	51188	2118354	15.98%	0.545%
292	23.263	23.215	23.340	VBA	52061	3737523	28.19%	0.962%

Sum of corrected areas: 388495168

Aliphatic EPH 103025.M Tue Nov 18 12:40:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056886.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:42
Operator : YP\AJ
Sample : Q3649-06MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
Quant Time: Nov 18 12:19:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.954	8631142	41.315 ug/ml
Spiked Amount	50.000		Recovery =	82.63%
12)	S 1-chlorooctadecane (S...	13.390	5755450	35.722 ug/ml
Spiked Amount	50.000		Recovery =	71.44%
	Target Compounds			
1)	T n-Nonane (C9)	3.310	3795254	22.596 ug/ml
2)	T n-Decane (C10)	4.604	4919299	28.668 ug/ml
3)	T A~Naphthalene (C11.7)	6.279	5445361	29.501 ug/ml
4)	T n-Dodecane (C12)	6.736	5037999	28.966 ug/ml
5)	T A~2-methylnaphthalene...	7.378	5333863	30.097 ug/ml
6)	T n-Tetradecane (C14)	8.571	5839307	33.453 ug/ml
7)	T n-Hexadecane (C16)	10.182	6281841	34.335 ug/ml
8)	T n-Octadecane (C18)	11.630	6339018	33.492 ug/ml
10)	T n-Eicosane (C20)	12.943	6302672	33.819 ug/ml
11)	T n-Heneicosane (C21)	13.555	6190916	33.668 ug/mlm
13)	T n-Docosane (C22)	14.143	6137911	32.788 ug/ml
14)	T n-Tetracosane (C24)	15.251	13080493	66.784 ug/ml
15)	T n-Hexacosane (C26)	16.274	5913000	30.426 ug/ml
16)	T n-Octacosane (C28)	17.225	5857046	30.244 ug/ml
17)	T n-Tricontane (C30)	18.116	5631480	28.088 ug/ml
18)	T n-Dotriacontane (C32)	18.948	5585683	28.404 ug/ml
19)	T n-Tetratriacontane (C34)	19.734	5399260	31.280 ug/ml
20)	T n-Hexatriacontane (C36)	20.476	5510922	38.097 ug/ml
21)	T n-Octatriacontane (C38)	21.226	5343084	42.452 ug/ml
22)	T n-Tetracontane (C40)	22.161	5465805	47.276 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

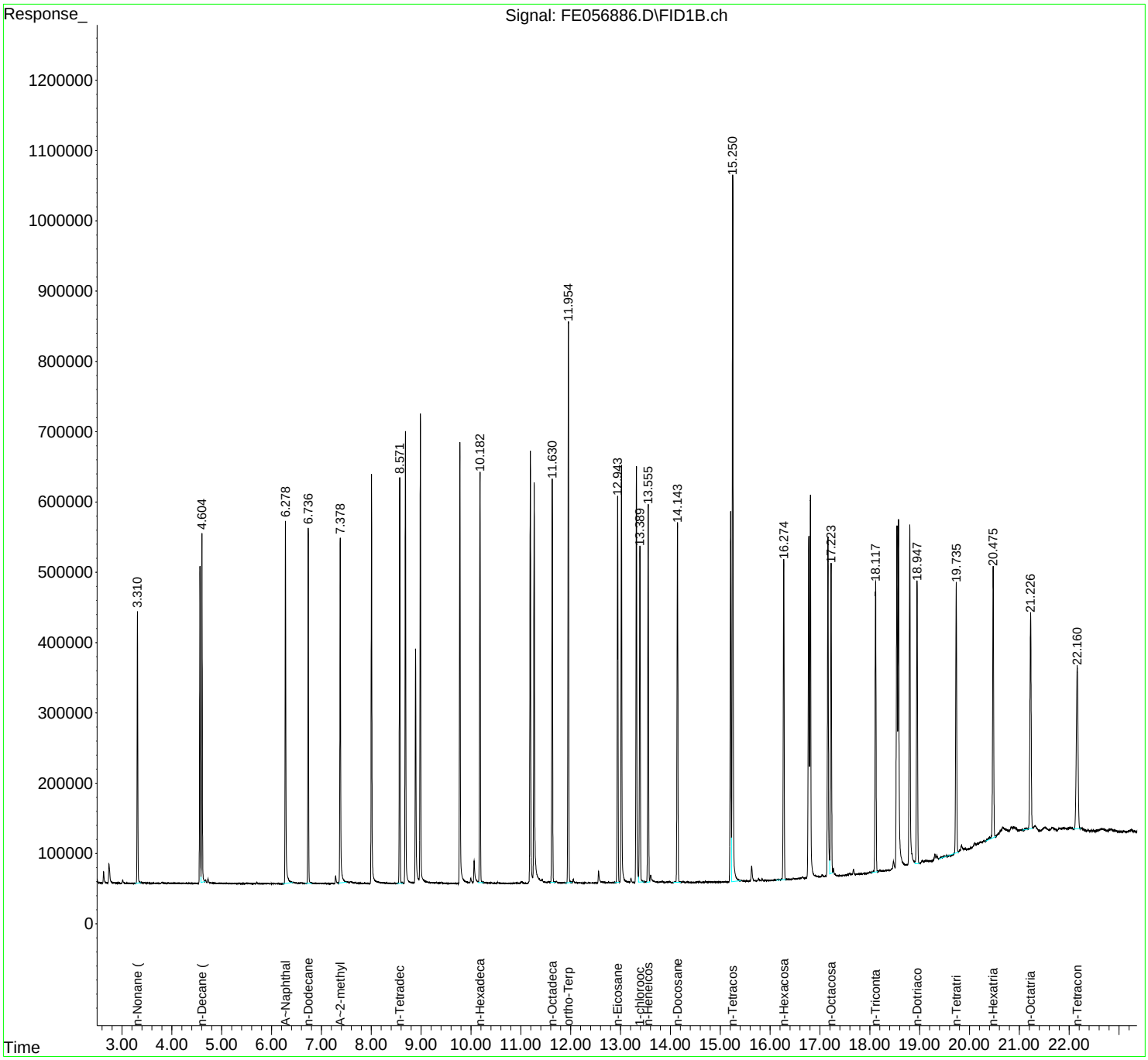
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056886.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:42
Operator : YP\AJ
Sample : Q3649-06MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Nov 18 12:19:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



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Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11172
Data File : FE056886.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:42
Sample : Q3649-06MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.631	2.558	2.711	BV	16144	196360	1.26%	0.053%
2	2.739	2.711	2.841	VV	27246	472793	3.04%	0.127%
3	2.856	2.841	2.915	VV	543	14248	0.09%	0.004%
4	2.926	2.915	2.933	VV	127	1425	0.01%	0.000%
5	2.951	2.933	2.991	VV	305	4104	0.03%	0.001%
6	3.014	2.991	3.074	PV	4877	61820	0.40%	0.017%
7	3.093	3.074	3.136	VV	300	5546	0.04%	0.001%
8	3.144	3.136	3.151	PV	46	295	0.00%	0.000%
9	3.178	3.151	3.212	PV	193	2861	0.02%	0.001%
10	3.219	3.212	3.275	PV	31	2748	0.02%	0.001%
11	3.310	3.275	3.436	VV	384779	3856229	24.78%	1.036%
12	3.453	3.436	3.508	VV	701	23154	0.15%	0.006%
13	3.520	3.508	3.575	VV	558	16685	0.11%	0.004%
14	3.644	3.575	3.665	VV	454	18293	0.12%	0.005%
15	3.680	3.665	3.734	VV	497	11788	0.08%	0.003%
16	3.759	3.734	3.773	VV	417	6909	0.04%	0.002%
17	3.801	3.773	3.888	VV	1425	40373	0.26%	0.011%
18	3.925	3.888	3.985	VV	842	28783	0.18%	0.008%
19	3.998	3.985	4.016	VV	506	7329	0.05%	0.002%
20	4.027	4.016	4.070	VV	398	10056	0.06%	0.003%
21	4.104	4.070	4.125	VV	442	9897	0.06%	0.003%
22	4.138	4.125	4.198	VV	482	12849	0.08%	0.003%
23	4.214	4.198	4.258	VV	505	10595	0.07%	0.003%
24	4.302	4.258	4.418	VV	522	32856	0.21%	0.009%
25	4.454	4.418	4.525	VV	372	20641	0.13%	0.006%
26	4.564	4.525	4.584	VV	453459	4312194	27.71%	1.159%
27	4.604	4.584	4.660	VV	495226	5021871	32.27%	1.350%
28	4.677	4.660	4.705	VV	5651	88936	0.57%	0.024%
29	4.726	4.705	4.915	VV	6693	174418	1.12%	0.047%
30	4.928	4.915	5.207	VV	557	58033	0.37%	0.016%
31	5.230	5.207	5.432	VV	272	21138	0.14%	0.006%
32	5.463	5.432	5.511	VV	100	4628	0.03%	0.001%
33	5.542	5.511	5.681	VV	415	19357	0.12%	0.005%
34	5.704	5.681	5.786	VV	1492	21551	0.14%	0.006%
35	5.815	5.786	5.899	VV	160	7533	0.05%	0.002%
36	5.914	5.899	5.951	VV	102	2764	0.02%	0.001%

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Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

37	6.004	5.951	6.061	VV	173	7418	0.05%	0.002%
38	6.074	6.061	6.095	VV	208	2449		
39	6.109	6.095	6.159	VV	145	3401		
40	6.181	6.159	6.205	PV	89	1890		
41	6.228	6.205	6.251	VV	118	1705		
42	6.279	6.251	6.578	VV	514054	5674470	3	
43	6.597	6.578	6.695	VV	1281	59243	0.38%	0.016%
44	6.736	6.695	6.870	VV	503879	5110619	32.84%	1.374%
45	6.889	6.870	7.011	VV	722	37306	0.24%	0.010%
46	7.027	7.011	7.051	VV	430	8121	0.05%	0.002%
47	7.063	7.051	7.171	VV	306	16848	0.11%	0.005%
48	7.199	7.171	7.245	VV	179	6044	0.04%	0.002%
49	7.286	7.245	7.341	VV	10687	160365	1.03%	0.043%
50	7.378	7.341	7.508	VV	490569	5493857	35.31%	1.477%
51	7.522	7.508	7.558	VV	2955	68752	0.44%	0.018%
52	7.584	7.558	7.641	VV	3141	109679	0.70%	0.029%
53	7.683	7.641	7.724	VV	2119	66668	0.43%	0.018%
54	7.745	7.724	7.837	VV	905	41224	0.26%	0.011%
55	7.864	7.837	7.958	VV	946	27638	0.18%	0.007%
56	8.005	7.958	8.241	VV	574997	6184458	39.75%	1.662%
57	8.259	8.241	8.295	VV	1233	28602	0.18%	0.008%
58	8.314	8.295	8.442	VV	1037	43981	0.28%	0.012%
59	8.474	8.442	8.525	VV	630	18544	0.12%	0.005%
60	8.571	8.525	8.651	VV	579503	5873667	37.75%	1.579%
61	8.685	8.651	8.861	VV	640936	6745840	43.35%	1.813%
62	8.889	8.861	8.955	VV	332952	3880307	24.94%	1.043%
63	8.985	8.955	9.263	VV	663117	7161982	46.03%	1.925%
64	9.308	9.263	9.367	VV	1266	58603	0.38%	0.016%
65	9.398	9.367	9.548	VV	1872	56867	0.37%	0.015%
66	9.575	9.548	9.745	VV	279	13906	0.09%	0.004%
67	9.778	9.745	9.975	PV	631777	7092150	45.58%	1.906%
68	9.998	9.975	10.041	VV	7520	136820	0.88%	0.037%
69	10.065	10.041	10.148	VV	31826	600152	3.86%	0.161%
70	10.181	10.148	10.378	VV	582989	6425472	41.30%	1.727%
71	10.406	10.378	10.449	VV	1570	28642	0.18%	0.008%
72	10.479	10.449	10.503	VV	439	10515	0.07%	0.003%
73	10.537	10.503	10.611	VV	1642	37865	0.24%	0.010%
74	10.636	10.611	10.689	VV	281	7964	0.05%	0.002%
75	10.715	10.689	10.763	VV	205	4046	0.03%	0.001%
76	10.843	10.763	10.866	PV	413	11184	0.07%	0.003%
77	10.920	10.866	10.954	VV	785	16570	0.11%	0.004%
78	11.010	10.954	11.120	VV	2777	69573	0.45%	0.019%
79	11.190	11.120	11.234	PV	606283	6803373	43.72%	1.829%
80	11.267	11.234	11.408	VV	562560	7252152	46.61%	1.949%
81	11.428	11.408	11.521	VV	6026	174301	1.12%	0.047%
82	11.557	11.521	11.587	VV	2268	66179	0.43%	0.018%
83	11.629	11.587	11.687	VV	567108	6410815	41.20%	1.723%
84	11.713	11.687	11.770	VV	2862	70614	0.45%	0.019%
85	11.789	11.770	11.856	VV	725	26137	0.17%	0.007%
86	11.870	11.856	11.916	VV	514	11091	0.07%	0.003%
87	11.953	11.916	12.027	VV	801216	8680450	55.79%	2.333%
88	12.053	12.027	12.172	VV	4690	118495	0.76%	0.032%
89	12.187	12.172	12.219	VV	460	8044	0.05%	0.002%

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Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

rteres

Manual IntegrationsAPPROVED

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90	12.235	12.219	12.268	VV	214	3262	0.02%	0.001%
91	12.297	12.268	12.343	PV	514	8289		
92	12.396	12.343	12.417	VV	381	7977		
93	12.448	12.417	12.474	VV	245	6125		
94	12.502	12.474	12.536	VV	332	7777		
95	12.561	12.536	12.733	VV	15564	323441		
96	12.763	12.733	12.794	VV	1512	24980	0.16%	0.007%
97	12.825	12.794	12.843	VV	423	9278	0.06%	0.002%
98	12.877	12.843	12.903	VV	746	19837	0.13%	0.005%
99	12.942	12.903	12.980	VV	548549	6339882	40.75%	1.704%
100	13.019	12.980	13.180	VV	561813	7069072	45.43%	1.900%
101	13.210	13.180	13.283	VV	6599	116141	0.75%	0.031%
102	13.319	13.283	13.355	VV	571835	6822368	43.85%	1.834%
103	13.389	13.355	13.513	VV	475864	5890995	37.86%	1.583%
104	13.555	13.513	13.776	VV	540042	6557499	42.14%	1.763%
105	13.840	13.776	13.878	VV	1855	60513	0.39%	0.016%
106	13.932	13.878	13.950	VV	885	26249	0.17%	0.007%
107	13.982	13.950	14.024	VV	1421	32883	0.21%	0.009%
108	14.143	14.024	14.223	VV	506852	6180302	39.72%	1.661%
109	14.254	14.223	14.300	VV	1587	33574	0.22%	0.009%
110	14.338	14.300	14.436	VV	1515	28357	0.18%	0.008%
111	14.539	14.436	14.558	PV	1063	20900	0.13%	0.006%
112	14.580	14.558	14.633	VV	1356	22047	0.14%	0.006%
113	14.654	14.633	14.683	VV	240	3754	0.02%	0.001%
114	14.705	14.683	14.732	PV	1382	17049	0.11%	0.005%
115	14.769	14.732	14.791	VV	405	7701	0.05%	0.002%
116	14.812	14.791	14.889	VV	362	10335	0.07%	0.003%
117	14.912	14.889	14.943	VV	179	3524	0.02%	0.001%
118	15.029	14.943	15.050	VV	282	10043	0.06%	0.003%
119	15.096	15.050	15.156	VV	800	20104	0.13%	0.005%
120	15.208	15.156	15.227	PV	520661	6368717	40.93%	1.712%
121	15.250	15.227	15.424	VV	998175	13173307	84.66%	3.541%
122	15.441	15.424	15.588	VV	1227	62435	0.40%	0.017%
123	15.631	15.588	15.709	VV	21469	371363	2.39%	0.100%
124	15.769	15.709	15.812	VV	3593	73325	0.47%	0.020%
125	15.841	15.812	15.875	VV	2682	37866	0.24%	0.010%
126	15.900	15.875	15.926	PV	318	5919	0.04%	0.002%
127	16.092	15.926	16.110	PV	412	13480	0.09%	0.004%
128	16.153	16.110	16.183	VV	815	15442	0.10%	0.004%
129	16.274	16.183	16.316	VV	459764	5911833	37.99%	1.589%
130	16.339	16.316	16.383	VV	488	12895	0.08%	0.003%
131	16.470	16.383	16.503	VV	1549	36694	0.24%	0.010%
132	16.650	16.503	16.688	VV	2948	112084	0.72%	0.030%
133	16.809	16.688	17.016	VV	553517	13883757	89.23%	3.732%
134	17.045	17.016	17.123	VV	4230	156906	1.01%	0.042%
135	17.161	17.123	17.193	VV	484081	6453563	41.48%	1.735%
136	17.224	17.193	17.394	VV	442725	6468208	41.57%	1.739%
137	17.594	17.394	17.627	VV	4538	349851	2.25%	0.094%
138	17.673	17.627	17.710	VV	9824	232411	1.49%	0.062%
139	17.903	17.710	17.921	VV	3136	362068	2.33%	0.097%
140	18.004	17.921	18.028	VV	5076	242684	1.56%	0.065%
141	18.116	18.028	18.162	VV	415525	5993209	38.52%	1.611%

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

rteres

142	18.205	18.162	18.230	VV	7406	240289	1.54%	0.065%
143	18.352	18.230	18.370	VV	6400	493287	3	
144	18.476	18.370	18.502	VV	18252	734195	4	
145	18.544	18.502	18.730	VV	481480	15559821	100	
146	18.801	18.730	18.910	VV	505496	8555513	54	
147	18.948	18.910	19.003	VV	408923	6349986	40	
148	19.050	19.003	19.082	VV	17980	751068	4.83%	0.202%
149	19.147	19.082	19.175	VV	17212	933766	6.00%	0.251%
150	19.214	19.175	19.237	VV	16540	607987	3.91%	0.163%
151	19.307	19.237	19.383	VV	25965	1763268	11.33%	0.474%
152	19.543	19.383	19.564	VV	22515	2294488	14.75%	0.617%
153	19.592	19.564	19.610	VV	22618	615985	3.96%	0.166%
154	19.734	19.610	19.780	VV	409866	7960712	51.16%	2.140%
155	19.842	19.780	19.881	VV	35658	1900325	12.21%	0.511%
156	19.915	19.881	19.943	VV	31577	1158784	7.45%	0.311%
157	20.106	19.943	20.130	VV	38970	3725823	23.95%	1.001%
158	20.216	20.130	20.238	VV	39558	2486130	15.98%	0.668%
159	20.290	20.238	20.311	VV	41257	1763041	11.33%	0.474%
160	20.475	20.311	20.530	VV	427469	11222955	72.13%	3.016%
161	20.671	20.530	20.787	VV	58960	8328106	53.52%	2.238%
162	20.839	20.787	20.862	VV	58879	2524903	16.23%	0.679%
163	20.881	20.862	20.975	VV	58587	3861759	24.82%	1.038%
164	21.030	20.975	21.084	VV	54166	3519397	22.62%	0.946%
165	21.152	21.084	21.173	VV	56069	2966008	19.06%	0.797%
166	21.225	21.173	21.270	VV	356287	8514451	54.72%	2.288%
167	21.314	21.270	21.413	VV	59057	4770416	30.66%	1.282%
168	21.515	21.413	21.596	VV	56067	5936680	38.15%	1.596%
169	21.661	21.596	21.758	VV	55346	5182866	33.31%	1.393%
170	21.810	21.758	21.841	VV	54008	2632942	16.92%	0.708%
171	21.875	21.841	21.976	VV	53840	4319193	27.76%	1.161%
172	22.008	21.976	22.095	VV	54114	3799900	24.42%	1.021%
173	22.161	22.095	22.336	VV	283490	12886918	82.82%	3.464%
174	22.377	22.336	22.433	VV	49327	2829388	18.18%	0.760%
175	22.457	22.433	22.523	VV	48568	2579456	16.58%	0.693%
176	22.671	22.523	22.775	VV	49886	7345557	47.21%	1.974%
177	22.835	22.775	22.898	VV	48526	3495861	22.47%	0.940%
178	22.921	22.898	23.050	VV	46750	4150766	26.68%	1.116%
179	23.092	23.050	23.156	VV	44951	2829610	18.19%	0.761%
180	23.245	23.156	23.330	VBA	46343	4813233	30.93%	1.294%

Sum of corrected areas: 372055226

Aliphatic EPH 103025.M Tue Nov 18 12:40:27 2025

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

Manual Integration Report

Sequence:	FE103025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3485-01	FE056583.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:28 PM	yogesh	10/31/2025 4:28:57	Peak Integrated by Software
Q3485-02	FE056584.D	1-chlorooctadecane (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3485-02	FE056584.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3490-01	FE056595.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:34 PM	yogesh	10/31/2025 4:29:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE111725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3638-01	FE056873.D	ortho-Terphenyl (SURR)	rahul	11/19/2025 2:44:42 PM	Sohil	11/19/2025 3:32:23	Peak Integrated by Software
Q3645-02	FE056880.D	1-chlorooctadecane (SURR)	rahul	11/19/2025 2:45:03 PM	Sohil	11/19/2025 3:32:28	Peak Integrated by Software
Q3646-01	FE056881.D	1-chlorooctadecane (SURR)	rahul	11/19/2025 2:45:05 PM	Sohil	11/19/2025 3:32:32	Peak Integrated by Software
Q3646-01	FE056881.D	ortho-Terphenyl (SURR)	rahul	11/19/2025 2:45:05 PM	Sohil	11/19/2025 3:32:32	Peak Integrated by Software
Q3646-02	FE056882.D	1-chlorooctadecane (SURR)	rahul	11/19/2025 2:45:08 PM	Sohil	11/19/2025 3:32:36	Peak Integrated by Software
Q3646-02	FE056882.D	ortho-Terphenyl (SURR)	rahul	11/19/2025 2:45:08 PM	Sohil	11/19/2025 3:32:36	Peak Integrated by Software
Q3649-06MS	FE056885.D	n-Heneicosane (C21)	rahul	11/19/2025 2:45:09 PM	Sohil	11/19/2025 3:32:40	Peak Integrated by Software
Q3649-06MSD	FE056886.D	n-Heneicosane (C21)	rahul	11/19/2025 2:45:11 PM	Sohil	11/19/2025 3:32:45	Peak Integrated by Software
Q3648-01	FE056890.D	ortho-Terphenyl (SURR)	rahul	11/19/2025 2:45:14 PM	Sohil	11/19/2025 3:32:48	Peak Integrated by Software
Q3648-02	FE056891.D	ortho-Terphenyl (SURR)	rahul	11/19/2025 2:45:16 PM	Sohil	11/19/2025 3:32:55	Peak Integrated by Software

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056573.D	30 Oct 2025 09:19	YP\AJ	Ok
2	I.BLK	FE056574.D	30 Oct 2025 09:49	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE056575.D	30 Oct 2025 10:20	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE056576.D	30 Oct 2025 10:50	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE056577.D	30 Oct 2025 11:20	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE056578.D	30 Oct 2025 11:51	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE056579.D	30 Oct 2025 12:21	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE056580.D	30 Oct 2025 12:51	YP\AJ	Ok
9	I.BLK	FE056581.D	30 Oct 2025 13:21	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE056582.D	30 Oct 2025 13:52	YP\AJ	Ok
11	Q3485-01	FE056583.D	30 Oct 2025 14:52	YP\AJ	Ok,M
12	Q3485-02	FE056584.D	30 Oct 2025 15:23	YP\AJ	Ok,M
13	Q3486-01	FE056585.D	30 Oct 2025 15:53	YP\AJ	Ok
14	Q3486-02	FE056586.D	30 Oct 2025 16:25	YP\AJ	Ok
15	Q3486-03	FE056587.D	30 Oct 2025 16:56	YP\AJ	Dilution
16	Q3486-04	FE056588.D	30 Oct 2025 17:26	YP\AJ	Ok
17	Q3486-06	FE056589.D	30 Oct 2025 17:57	YP\AJ	Ok
18	Q3486-07	FE056590.D	30 Oct 2025 18:27	YP\AJ	ReRun
19	Q3486-08	FE056591.D	30 Oct 2025 18:58	YP\AJ	ReRun
20	Q3488-01	FE056592.D	30 Oct 2025 19:28	YP\AJ	Ok
21	Q3488-04	FE056593.D	30 Oct 2025 19:59	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3488-06	FE056594.D	30 Oct 2025 20:29	YP\AJ	Dilution
23	Q3490-01	FE056595.D	30 Oct 2025 21:00	YP\AJ	Dilution
24	Q3488-02	FE056596.D	30 Oct 2025 21:30	YP\AJ	Dilution
25	I.BLK	FE056597.D	30 Oct 2025 23:01	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE056598.D	30 Oct 2025 23:32	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM		
SubDirectory	FE111725AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056865.D	17 Nov 2025 09:44	YP\AJ	Ok
2	I.BLK	FE056866.D	17 Nov 2025 10:14	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056867.D	17 Nov 2025 12:46	YP\AJ	Ok
4	Q3631-02DL	FE056868.D	17 Nov 2025 13:31	YP\AJ	Not Ok
5	Q3633-01DL	FE056869.D	17 Nov 2025 14:02	YP\AJ	Ok
6	PB170578BL	FE056870.D	17 Nov 2025 14:39	YP\AJ	Ok
7	PB170578BS	FE056871.D	17 Nov 2025 15:09	YP\AJ	Ok
8	PB170578BSD	FE056872.D	17 Nov 2025 15:39	YP\AJ	Ok
9	Q3638-01	FE056873.D	17 Nov 2025 16:10	YP\AJ	Ok,M
10	Q3638-03	FE056874.D	17 Nov 2025 16:40	YP\AJ	Dilution
11	Q3640-02	FE056875.D	17 Nov 2025 17:10	YP\AJ	Dilution
12	Q3640-03	FE056876.D	17 Nov 2025 17:40	YP\AJ	Dilution
13	Q3641-01	FE056877.D	17 Nov 2025 18:10	YP\AJ	Ok
14	Q3641-02	FE056878.D	17 Nov 2025 18:40	YP\AJ	Ok
15	Q3645-01	FE056879.D	17 Nov 2025 19:10	YP\AJ	Ok
16	Q3645-02	FE056880.D	17 Nov 2025 19:40	YP\AJ	Ok,M
17	Q3646-01	FE056881.D	17 Nov 2025 20:11	YP\AJ	Dilution
18	Q3646-02	FE056882.D	17 Nov 2025 20:41	YP\AJ	Dilution
19	Q3649-06	FE056883.D	17 Nov 2025 21:11	YP\AJ	Ok
20	Q3649-06D	FE056884.D	17 Nov 2025 21:41	YP\AJ	Ok
21	Q3649-06MS	FE056885.D	17 Nov 2025 22:12	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM		
SubDirectory	FE111725AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3649-06MSD	FE056886.D	17 Nov 2025 22:42	YP\AJ	Ok,M
23	I.BLK	FE056887.D	17 Nov 2025 23:42	YP\AJ	Ok
24	20 PPM ALIPHATIC HC STD	FE056888.D	18 Nov 2025 00:12	YP\AJ	Ok
25	Q3647-01	FE056889.D	18 Nov 2025 01:43	YP\AJ	Ok
26	Q3648-01	FE056890.D	18 Nov 2025 02:13	YP\AJ	Dilution
27	Q3648-02	FE056891.D	18 Nov 2025 02:43	YP\AJ	Dilution
28	I.BLK	FE056892.D	18 Nov 2025 03:44	YP\AJ	Ok
29	20 PPM ALIPHATIC HC STD	FE056893.D	18 Nov 2025 04:14	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056573.D	30 Oct 2025 09:19		YP\AJ	Ok
2	I.BLK	I.BLK	FE056574.D	30 Oct 2025 09:49		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE056575.D	30 Oct 2025 10:20		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056576.D	30 Oct 2025 10:50		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056577.D	30 Oct 2025 11:20		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056578.D	30 Oct 2025 11:51		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056579.D	30 Oct 2025 12:21		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056580.D	30 Oct 2025 12:51		YP\AJ	Ok
9	I.BLK	I.BLK	FE056581.D	30 Oct 2025 13:21		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056582.D	30 Oct 2025 13:52		YP\AJ	Ok
11	Q3485-01	TR-04-102925	FE056583.D	30 Oct 2025 14:52		YP\AJ	Ok,M
12	Q3485-02	TR-04-102925-E2	FE056584.D	30 Oct 2025 15:23		YP\AJ	Ok,M
13	Q3486-01	TP3	FE056585.D	30 Oct 2025 15:53		YP\AJ	Ok
14	Q3486-02	TP3-E2	FE056586.D	30 Oct 2025 16:25		YP\AJ	Ok
15	Q3486-03	TP4	FE056587.D	30 Oct 2025 16:56	Need 5X,Surrogate fail	YP\AJ	Dilution
16	Q3486-04	TP4-E2	FE056588.D	30 Oct 2025 17:26		YP\AJ	Ok
17	Q3486-06	TP5-E2	FE056589.D	30 Oct 2025 17:57		YP\AJ	Ok
18	Q3486-07	TP6	FE056590.D	30 Oct 2025 18:27	Surrogate fail	YP\AJ	ReRun

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3486-08	TP6-E2	FE056591.D	30 Oct 2025 18:58	Surrogate fail	YP\AJ	ReRun
20	Q3488-01	MOO-25-0294-0298	FE056592.D	30 Oct 2025 19:28		YP\AJ	Ok
21	Q3488-04	MOO-25-0302-0310	FE056593.D	30 Oct 2025 19:59	Need 500X	YP\AJ	Dilution
22	Q3488-06	MOO-25-0311-0313	FE056594.D	30 Oct 2025 20:29	Need further 20X	YP\AJ	Dilution
23	Q3490-01	LAW-25-0151	FE056595.D	30 Oct 2025 21:00	Need further 10X	YP\AJ	Dilution
24	Q3488-02	MOO-25-0299	FE056596.D	30 Oct 2025 21:30	Need further 20X	YP\AJ	Dilution
25	I.BLK	I.BLK	FE056597.D	30 Oct 2025 23:01		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056598.D	30 Oct 2025 23:32		YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM		
SubDirectory	FE111725AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056865.D	17 Nov 2025 09:44		YP\AJ	Ok
2	I.BLK	I.BLK	FE056866.D	17 Nov 2025 10:14		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056867.D	17 Nov 2025 12:46		YP\AJ	Ok
4	Q3631-02DL	VNJ-202-EPH-2DL	FE056868.D	17 Nov 2025 13:31	Dilution not match	YP\AJ	Not Ok
5	Q3633-01DL	ETGI-369DL	FE056869.D	17 Nov 2025 14:02		YP\AJ	Ok
6	PB170578BL	PB170578BL	FE056870.D	17 Nov 2025 14:39		YP\AJ	Ok
7	PB170578BS	PB170578BS	FE056871.D	17 Nov 2025 15:09		YP\AJ	Ok
8	PB170578BSD	PB170578BSD	FE056872.D	17 Nov 2025 15:39		YP\AJ	Ok
9	Q3638-01	MOO-25-0327	FE056873.D	17 Nov 2025 16:10		YP\AJ	Ok,M
10	Q3638-03	MOO-25-0328	FE056874.D	17 Nov 2025 16:40	Need 10X	YP\AJ	Dilution
11	Q3640-02	LAW-25-0179-0180	FE056875.D	17 Nov 2025 17:10	Need 10X,100X	YP\AJ	Dilution
12	Q3640-03	LAW-25-0182	FE056876.D	17 Nov 2025 17:40	Need 50X	YP\AJ	Dilution
13	Q3641-01	TR-05-111325	FE056877.D	17 Nov 2025 18:10		YP\AJ	Ok
14	Q3641-02	TR-05-111325-E2	FE056878.D	17 Nov 2025 18:40		YP\AJ	Ok
15	Q3645-01	HD-02-11142025	FE056879.D	17 Nov 2025 19:10		YP\AJ	Ok
16	Q3645-02	HD-02-11142025-E2	FE056880.D	17 Nov 2025 19:40		YP\AJ	Ok,M
17	Q3646-01	SU-03-11142025	FE056881.D	17 Nov 2025 20:11	Need 5X	YP\AJ	Dilution
18	Q3646-02	SU-03-11142025-E2	FE056882.D	17 Nov 2025 20:41	Need 5X	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM		
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM		
SubDirectory	FE111725AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3649-06	B4-0.0-0.5-20251114	FE056883.D	17 Nov 2025 21:11		YP\AJ	Ok
20	Q3649-06D	Q3649-06D	FE056884.D	17 Nov 2025 21:41		YP\AJ	Ok
21	Q3649-06MS	B4-0.0-0.5-20251114MS	FE056885.D	17 Nov 2025 22:12	FE056883.D	YP\AJ	Ok,M
22	Q3649-06MSD	B4-0.0-0.5-20251114MS	FE056886.D	17 Nov 2025 22:42	FE056883.D!FE056885.D	YP\AJ	Ok,M
23	I.BLK	I.BLK	FE056887.D	17 Nov 2025 23:42		YP\AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056888.D	18 Nov 2025 00:12		YP\AJ	Ok
25	Q3647-01	VNJ-212	FE056889.D	18 Nov 2025 01:43		YP\AJ	Ok
26	Q3648-01	OR-02-111425	FE056890.D	18 Nov 2025 02:13	Need 5X	YP\AJ	Dilution
27	Q3648-02	OR-02-111425-E2	FE056891.D	18 Nov 2025 02:43	Need 10X	YP\AJ	Dilution
28	I.BLK	I.BLK	FE056892.D	18 Nov 2025 03:44		YP\AJ	Ok
29	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056893.D	18 Nov 2025 04:14		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170578

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/17/2025
Matrix :	Solid			**Extraction Start Time :**	10:03
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/17/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	14:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP25005
Surrogate	1.0ML	100 PPM	PP25012
Fractionation Surrogate	1.0ML	100 PPM	PP24994
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

N/A

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (EXT-Lab)	RC/Rest PCB
14:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170578

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170578BL	PB170578BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U6-1
PB170578BS	PB170578BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB170578BSD	PB170578BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3638-01	MOO-25-0327	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E	Small Particles	4
Q3638-03	MOO-25-0328	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E	Small Particles	5
Q3640-02	LAW-25-0179-0180	EPH_NF	30.07	N/A	ritesh	Evelyn	2	A		6
Q3640-03	LAW-25-0182	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E	Small Particles	U1-1
Q3641-01	TR-05-111325	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q3641-02	TR-05-111325-E2	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3645-01	HD-02-11142025	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q3645-02	HD-02-11142025-E2	EPH_NF	30.09	N/A	ritesh	Evelyn	2			5
Q3646-01	SU-03-11142025	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		6
Q3646-02	SU-03-11142025-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q3647-01	VNJ-212	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E	Concrete	2
Q3648-01	OR-02-111425	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		3
Q3648-02	OR-02-111425-E2	EPH_NF	30.03	N/A	ritesh	Evelyn	2			4
Q3649-06	B4-0.0-0.5-20251114	EPH_NF	30.08	N/A	ritesh	Evelyn	2	B		5
Q3649-06DUP	B4-0.0-0.5-20251114DUP	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		6
Q3649-06MS	B4-0.0-0.5-20251114MS	EPH_NF	30.01	N/A	ritesh	Evelyn	2	B		U3-1
Q3649-06MSD	B4-0.0-0.5-20251114MSD	EPH_NF	30.05	N/A	ritesh	Evelyn	2	B		2

RS 11/17

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

Q3649

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3648 **WorkList ID :** 193149 **Department :** Extraction **Date :** 11-17-2025 09:02:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3638-03	MOO-25-0328	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3640-02	LAW-25-0179-0180	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3640-03	LAW-25-0182	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3641-01	TR-05-111325	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/13/2025	NJEPH
Q3641-02	TR-05-111325-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/13/2025	NJEPH
Q3645-01	HD-02-11142025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D51	11/14/2025	NJEPH
Q3645-02	HD-02-11142025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D51	11/14/2025	NJEPH
Q3646-01	SU-03-11142025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	11/14/2025	NJEPH
Q3646-02	SU-03-11142025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	11/14/2025	NJEPH
Q3647-01	VNJ-212	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/14/2025	NJEPH
Q3648-01	OR-02-111425	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/14/2025	NJEPH
Q3648-02	OR-02-111425-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/14/2025	NJEPH
Q3649-06	B4-0.0-0.5-20251114	Solid	EPH_NF	Cool 4 deg C	HDRI08	D41	11/14/2025	NJEPH

607 of 788

Date/Time 11/17/25 10:00
Raw Sample Received by: RJ (ExtLab)
Raw Sample Relinquished by:

Date/Time 11/17/25
Raw Sample Received by:
Raw Sample Relinquished by: RJ (ExtLab)

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
			EPH_NF	NJEPH		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B5-0.0-0.5-20251114								
Q3649-01	B5-0.0-0.5-20251114	SOIL	Aluminum	4950		0.81	4.80	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Arsenic	3.01		0.18	0.96	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Barium	42.5		0.70	4.80	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Beryllium	0.43		0.024	0.29	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Cadmium	1.04		0.023	0.29	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Calcium	8580		10.7	96.0	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Chromium	14.9		0.045	0.48	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Cobalt	6.33		0.096	1.44	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Copper	4.32		0.21	0.96	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Iron	14200		3.83	4.80	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Lead	9.94		0.13	0.58	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Magnesium	1390		11.5	96.0	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Manganese	508		0.13	0.96	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Nickel	10.8		0.13	1.92	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Potassium	446		26.6	96.0	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Sodium	176		17.1	96.0	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Thallium	0.38	J	0.22	1.92	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Vanadium	17.5		0.24	1.92	mg/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Zinc	25.3		0.22	1.92	mg/Kg
Client ID : DUPE-0.0-0.5-20251114								
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Aluminum	6960		0.88	5.21	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Arsenic	3.04		0.20	1.04	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Barium	35.6		0.76	5.21	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Beryllium	0.47		0.026	0.31	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Cadmium	1.09		0.025	0.31	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Calcium	1520		11.6	104	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Chromium	17.0		0.049	0.52	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Cobalt	6.76		0.10	1.56	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Copper	18.2		0.23	1.04	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Iron	15400		4.16	5.21	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Lead	81.1		0.14	0.63	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Magnesium	1490		12.5	104	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Manganese	359		0.15	1.04	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Mercury	0.044		0.0080	0.014	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Nickel	13.0		0.14	2.08	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Potassium	498		28.8	104	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Sodium	308		18.5	104	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Vanadium	19.0		0.26	2.08	mg/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Zinc	83.7		0.24	2.08	mg/Kg
Client ID :	**B4-0.0-0.5-20251114**							
Q3649-06	B4-0.0-0.5-20251114	SOIL	Aluminum	5000		0.83	4.93	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Arsenic	1.88		0.19	0.99	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Barium	26.0		0.72	4.93	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Beryllium	0.41		0.025	0.30	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Cadmium	1.09		0.024	0.30	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Calcium	1180		10.9	98.6	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Chromium	11.3		0.046	0.49	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Cobalt	6.43		0.099	1.48	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Copper	2.16		0.22	0.99	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Iron	13400		3.93	4.93	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Lead	14.5		0.13	0.59	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Magnesium	1090		11.8	98.6	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Manganese	382		0.14	0.99	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Mercury	0.020		0.0070	0.013	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Nickel	11.7		0.13	1.97	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Potassium	483		27.3	98.6	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Sodium	290		17.5	98.6	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Thallium	0.38	J	0.23	1.97	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Vanadium	12.9		0.25	1.97	mg/Kg
Q3649-06	B4-0.0-0.5-20251114	SOIL	Zinc	23.1		0.23	1.97	mg/Kg
Client ID :	**B3-0.0-0.5-20251114**							
Q3649-08	B3-0.0-0.5-20251114	SOIL	Aluminum	5700		0.94	5.59	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Arsenic	2.62		0.21	1.12	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Barium	26.2		0.82	5.59	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Beryllium	0.42		0.028	0.34	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Cadmium	0.86		0.027	0.34	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Calcium	1250		12.4	112	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Chromium	10.4		0.053	0.56	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Cobalt	5.68		0.11	1.68	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Copper	2.72		0.25	1.12	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Iron	13900		4.46	5.59	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Lead	14.6		0.14	0.67	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Magnesium	1020		13.4	112	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Manganese	471		0.16	1.12	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Mercury	0.018		0.0090	0.015	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Nickel	8.01		0.14	2.24	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3649-08	B3-0.0-0.5-20251114	SOIL	Potassium	422		31.0	112	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Sodium	29.0	J	19.9	112	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Vanadium	17.2		0.28	2.24	mg/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Zinc	21.8		0.26	2.24	mg/Kg

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4950		1	0.81	4.80	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.40	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-38-2	Arsenic	3.01		1	0.18	0.96	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-39-3	Barium	42.5	N	1	0.70	4.80	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-41-7	Beryllium	0.43	N	1	0.024	0.29	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-43-9	Cadmium	1.04		1	0.023	0.29	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-70-2	Calcium	8580		1	10.7	96.0	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-47-3	Chromium	14.9		1	0.045	0.48	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-48-4	Cobalt	6.33		1	0.096	1.44	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-50-8	Copper	4.32		1	0.21	0.96	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7439-89-6	Iron	14200		1	3.83	4.80	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7439-92-1	Lead	9.94		1	0.13	0.58	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7439-95-4	Magnesium	1390		1	11.5	96.0	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7439-96-5	Manganese	508		1	0.13	0.96	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7439-97-6	Mercury	0.0080	UN	1	0.0080	0.014	mg/Kg	11/17/25 16:10	11/18/25 10:29	7471B	M7471B
7440-02-0	Nickel	10.8		1	0.13	1.92	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-09-7	Potassium	446		1	26.6	96.0	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7782-49-2	Selenium	0.25	UN	1	0.25	0.96	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.48	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-23-5	Sodium	176		1	17.1	96.0	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-28-0	Thallium	0.38	J	1	0.22	1.92	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-62-2	Vanadium	17.5		1	0.24	1.92	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050
7440-66-6	Zinc	25.3		1	0.22	1.92	mg/Kg	11/17/25 10:45	11/17/25 17:08	6010D	SW3050

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6960		1	0.88	5.21	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.60	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-38-2	Arsenic	3.04		1	0.20	1.04	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-39-3	Barium	35.6	N	1	0.76	5.21	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-41-7	Beryllium	0.47	N	1	0.026	0.31	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-43-9	Cadmium	1.09		1	0.025	0.31	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-70-2	Calcium	1520		1	11.6	104	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-47-3	Chromium	17.0		1	0.049	0.52	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-48-4	Cobalt	6.76		1	0.10	1.56	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-50-8	Copper	18.2		1	0.23	1.04	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7439-89-6	Iron	15400		1	4.16	5.21	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7439-92-1	Lead	81.1		1	0.14	0.63	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7439-95-4	Magnesium	1490		1	12.5	104	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7439-96-5	Manganese	359		1	0.15	1.04	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7439-97-6	Mercury	0.044	N	1	0.0080	0.014	mg/Kg	11/17/25 16:10	11/18/25 10:36	7471B	M7471B
7440-02-0	Nickel	13.0		1	0.14	2.08	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-09-7	Potassium	498		1	28.8	104	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.04	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.52	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-23-5	Sodium	308		1	18.5	104	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.08	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-62-2	Vanadium	19.0		1	0.26	2.08	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050
7440-66-6	Zinc	83.7		1	0.24	2.08	mg/Kg	11/17/25 10:45	11/17/25 17:12	6010D	SW3050

U = Not Detected
LOQ = Limit of Quantitation
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J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5000		1	0.83	4.93	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.46	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-38-2	Arsenic	1.88		1	0.19	0.99	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-39-3	Barium	26.0	N	1	0.72	4.93	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-41-7	Beryllium	0.41	N	1	0.025	0.30	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-43-9	Cadmium	1.09		1	0.024	0.30	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-70-2	Calcium	1180		1	10.9	98.6	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-47-3	Chromium	11.3		1	0.046	0.49	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-48-4	Cobalt	6.43		1	0.099	1.48	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-50-8	Copper	2.16		1	0.22	0.99	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7439-89-6	Iron	13400		1	3.93	4.93	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7439-92-1	Lead	14.5		1	0.13	0.59	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7439-95-4	Magnesium	1090		1	11.8	98.6	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7439-96-5	Manganese	382		1	0.14	0.99	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7439-97-6	Mercury	0.020	N	1	0.0070	0.013	mg/Kg	11/17/25 16:10	11/18/25 10:44	7471B	M7471B
7440-02-0	Nickel	11.7		1	0.13	1.97	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-09-7	Potassium	483		1	27.3	98.6	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	0.99	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.49	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-23-5	Sodium	290		1	17.5	98.6	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-28-0	Thallium	0.38	J	1	0.23	1.97	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-62-2	Vanadium	12.9		1	0.25	1.97	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050
7440-66-6	Zinc	23.1		1	0.23	1.97	mg/Kg	11/17/25 10:45	11/17/25 17:16	6010D	SW3050

U = Not Detected
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5700		1	0.94	5.59	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.80	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-38-2	Arsenic	2.62		1	0.21	1.12	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-39-3	Barium	26.2	N	1	0.82	5.59	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-41-7	Beryllium	0.42	N	1	0.028	0.34	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-43-9	Cadmium	0.86		1	0.027	0.34	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-70-2	Calcium	1250		1	12.4	112	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-47-3	Chromium	10.4		1	0.053	0.56	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-48-4	Cobalt	5.68		1	0.11	1.68	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-50-8	Copper	2.72		1	0.25	1.12	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7439-89-6	Iron	13900		1	4.46	5.59	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7439-92-1	Lead	14.6		1	0.14	0.67	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7439-95-4	Magnesium	1020		1	13.4	112	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7439-96-5	Manganese	471		1	0.16	1.12	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7439-97-6	Mercury	0.018	N	1	0.0090	0.015	mg/Kg	11/17/25 16:10	11/18/25 10:55	7471B	M7471B
7440-02-0	Nickel	8.01		1	0.14	2.24	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-09-7	Potassium	422		1	31.0	112	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	1.12	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.56	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-23-5	Sodium	29.0	J	1	19.9	112	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.24	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-62-2	Vanadium	17.2		1	0.28	2.24	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050
7440-66-6	Zinc	21.8		1	0.26	2.24	mg/Kg	11/17/25 10:45	11/17/25 17:49	6010D	SW3050

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB119	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	09:56	LB137932

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	10:03	LB137932
CCB08	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	10:34	LB137932
CCB09	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	11:05	LB137932
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	11/18/2025	11:21	LB137932

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	32.3	+/-50	J	100	P	11/17/2025	13:31	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	13:31	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	13:31	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	13:31	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	13:31	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	13:31	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	13:31	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	13:31	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	13:31	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	13:31	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	13:31	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	13:31	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	13:31	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	14:01	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	14:01	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:01	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	14:01	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:01	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	14:01	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	14:01	LB137929
CCB02	Aluminum	11.3	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	14:51	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	14:51	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:51	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	14:51	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:51	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:51	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	14:51	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	14:51	LB137929
CCB03	Aluminum	11.9	+/-50	J	100	P	11/17/2025	15:48	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	15:48	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	15:48	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	15:48	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	15:48	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	15:48	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	15:48	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	15:48	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	15:48	LB137929
	Thallium	5.14	+/-20	J	40.0	P	11/17/2025	15:48	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	15:48	LB137929
CCB04	Aluminum	11.3	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	16:38	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	16:38	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	16:38	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	16:38	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	16:38	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	16:38	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	16:38	LB137929
CCB05	Aluminum	11.3	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	17:28	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	17:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	17:28	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	17:28	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	17:28	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	17:28	LB137929
	Thallium	5.18	+/-20	J	40.0	P	11/17/2025	17:28	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	17:28	LB137929
CCB06	Aluminum	11.3	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	18:19	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	18:19	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	18:19	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	18:19	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	18:19	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	18:19	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	18:19	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	18:19	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	18:19	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	18:19	LB137929
CCB07	Aluminum	11.3	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	19:11	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	19:11	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:11	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	19:11	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:11	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	19:11	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	19:11	LB137929
CCB08	Aluminum	11.3	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	19:28	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	19:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:28	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	19:28	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:28	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	19:28	LB137929
	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	19:28	LB137929
CCB09	Aluminum	11.3	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Antimony	6.76	+/-25	U	50.0	P	11/17/2025	20:02	LB137929
	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Beryllium	0.56	+/-3	U	6.00	P	11/17/2025	20:02	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	20:02	LB137929
	Calcium	234	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	20:02	LB137929
	Cobalt	2.26	+/-15	U	30.0	P	11/17/2025	20:02	LB137929
	Copper	4.60	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Iron	23.4	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	20:02	LB137929
	Magnesium	244	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Manganese	5.94	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Nickel	3.06	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Potassium	918	+/-1000	U	2000	P	11/17/2025	20:02	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	20:02	LB137929
	Sodium	868	+/-1000	U	2000	P	11/17/2025	20:02	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Vanadium	6.26	+/-20	U	40.0	P	11/17/2025	20:02	LB137929
	Zinc	16.7	+/-20	U	40.0	P	11/17/2025	20:02	LB137929

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PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170581BL		**SOLID**		**Batch Number:**	**PB170581**		**Prep Date:**	**11/17/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	11/18/2025	10:13	LB137932

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Metals
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PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170579BL		**SOLID**		**Batch Number:**	**PB170579**		**Prep Date:**	**11/17/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	11/17/2025	16:43	LB137929
	Antimony	0.22	<1.25	U	2.50	P	11/17/2025	16:43	LB137929
	Arsenic	0.19	<0.5	U	1.00	P	11/17/2025	16:43	LB137929
	Barium	0.73	<2.5	U	5.00	P	11/17/2025	16:43	LB137929
	Beryllium	0.025	<0.15	U	0.30	P	11/17/2025	16:43	LB137929
	Cadmium	0.024	<0.15	U	0.30	P	11/17/2025	16:43	LB137929
	Calcium	11.1	<50	U	100	P	11/17/2025	16:43	LB137929
	Chromium	0.047	<0.25	U	0.50	P	11/17/2025	16:43	LB137929
	Cobalt	0.10	<0.75	U	1.50	P	11/17/2025	16:43	LB137929
	Copper	0.22	<0.5	U	1.00	P	11/17/2025	16:43	LB137929
	Iron	3.99	<2.5	U	5.00	P	11/17/2025	16:43	LB137929
	Lead	0.13	<0.3	U	0.60	P	11/17/2025	16:43	LB137929
	Magnesium	12.0	<50	U	100	P	11/17/2025	16:43	LB137929
	Manganese	0.14	<0.5	U	1.00	P	11/17/2025	16:43	LB137929
	Nickel	0.13	<1	U	2.00	P	11/17/2025	16:43	LB137929
	Potassium	27.7	<50	U	100	P	11/17/2025	16:43	LB137929
	Selenium	0.26	<0.5	U	1.00	P	11/17/2025	16:43	LB137929
	Silver	0.12	<0.25	U	0.50	P	11/17/2025	16:43	LB137929
	Sodium	17.8	<50	U	100	P	11/17/2025	16:43	LB137929
	Thallium	0.28	<1	J	2.00	P	11/17/2025	16:43	LB137929
	Vanadium	0.25	<1	U	2.00	P	11/17/2025	16:43	LB137929
	Zinc	0.23	<1	U	2.00	P	11/17/2025	16:43	LB137929

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV119	Mercury	4.22	4.0	106	90 - 110	CV	11/18/2025	09:54	LB137932

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Mercury	4.90	5.0	98	90 - 110	CV	11/18/2025	10:01	LB137932
CCV08	Mercury	4.69	5.0	94	90 - 110	CV	11/18/2025	10:32	LB137932
CCV09	Mercury	4.93	5.0	98	90 - 110	CV	11/18/2025	11:02	LB137932
CCV10	Mercury	4.65	5.0	93	90 - 110	CV	11/18/2025	11:16	LB137932

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7920	8000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Antimony	4010	4000	100	90 - 110	P	11/17/2025	13:23	LB137929
	Arsenic	3890	4000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Barium	7960	8000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Beryllium	200	200	100	90 - 110	P	11/17/2025	13:23	LB137929
	Cadmium	1940	2000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Calcium	19700	20000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Chromium	814	800	102	90 - 110	P	11/17/2025	13:23	LB137929
	Cobalt	1990	2000	100	90 - 110	P	11/17/2025	13:23	LB137929
	Copper	1020	1000	102	90 - 110	P	11/17/2025	13:23	LB137929
	Iron	4000	4000	100	90 - 110	P	11/17/2025	13:23	LB137929
	Lead	3830	4000	96	90 - 110	P	11/17/2025	13:23	LB137929
	Magnesium	19800	20000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Manganese	2010	2000	101	90 - 110	P	11/17/2025	13:23	LB137929
	Nickel	1990	2000	100	90 - 110	P	11/17/2025	13:23	LB137929
	Potassium	19500	20000	98	90 - 110	P	11/17/2025	13:23	LB137929
	Selenium	3930	4000	98	90 - 110	P	11/17/2025	13:23	LB137929
	Silver	957	1000	96	90 - 110	P	11/17/2025	13:23	LB137929
	Sodium	19800	20000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Thallium	3800	4000	95	90 - 110	P	11/17/2025	13:23	LB137929
	Vanadium	1990	2000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Zinc	2000	2000	100	90 - 110	P	11/17/2025	13:23	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Antimony	5040	5000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Arsenic	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Beryllium	251	250	100	90 - 110	P	11/17/2025	13:57	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	13:57	LB137929
	Calcium	25200	25000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	13:57	LB137929
	Cobalt	2510	2500	100	90 - 110	P	11/17/2025	13:57	LB137929
	Copper	1270	1250	102	90 - 110	P	11/17/2025	13:57	LB137929
	Iron	5100	5000	102	90 - 110	P	11/17/2025	13:57	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Magnesium	25100	25000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Manganese	2560	2500	102	90 - 110	P	11/17/2025	13:57	LB137929
	Nickel	2510	2500	100	90 - 110	P	11/17/2025	13:57	LB137929
	Potassium	24800	25000	99	90 - 110	P	11/17/2025	13:57	LB137929
	Selenium	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Silver	1260	1250	101	90 - 110	P	11/17/2025	13:57	LB137929
	Sodium	25000	25000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Thallium	4900	5000	98	90 - 110	P	11/17/2025	13:57	LB137929
	Vanadium	2510	2500	101	90 - 110	P	11/17/2025	13:57	LB137929
	Zinc	2540	2500	102	90 - 110	P	11/17/2025	13:57	LB137929
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Antimony	5140	5000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Arsenic	5120	5000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	14:47	LB137929
	Beryllium	253	250	101	90 - 110	P	11/17/2025	14:47	LB137929
	Cadmium	2540	2500	102	90 - 110	P	11/17/2025	14:47	LB137929
	Calcium	25200	25000	101	90 - 110	P	11/17/2025	14:47	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Cobalt	2540	2500	101	90 - 110	P	11/17/2025	14:47	LB137929
	Copper	1290	1250	103	90 - 110	P	11/17/2025	14:47	LB137929
	Iron	5180	5000	104	90 - 110	P	11/17/2025	14:47	LB137929
	Lead	5080	5000	102	90 - 110	P	11/17/2025	14:47	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	25100	25000	100	90 - 110	P	11/17/2025	14:47	LB137929
	Manganese	2560	2500	102	90 - 110	P	11/17/2025	14:47	LB137929
	Nickel	2540	2500	102	90 - 110	P	11/17/2025	14:47	LB137929
	Potassium	25400	25000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Selenium	5170	5000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Silver	1280	1250	102	90 - 110	P	11/17/2025	14:47	LB137929
	Sodium	25600	25000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Thallium	4970	5000	99	90 - 110	P	11/17/2025	14:47	LB137929
	Vanadium	2520	2500	101	90 - 110	P	11/17/2025	14:47	LB137929
	Zinc	2580	2500	103	90 - 110	P	11/17/2025	14:47	LB137929
CCV03	Aluminum	9640	10000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Antimony	4840	5000	97	90 - 110	P	11/17/2025	15:44	LB137929
	Arsenic	4790	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Barium	9720	10000	97	90 - 110	P	11/17/2025	15:44	LB137929
	Beryllium	242	250	97	90 - 110	P	11/17/2025	15:44	LB137929
	Cadmium	2370	2500	95	90 - 110	P	11/17/2025	15:44	LB137929
	Calcium	24000	25000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Chromium	948	1000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Cobalt	2390	2500	96	90 - 110	P	11/17/2025	15:44	LB137929
	Copper	1210	1250	97	90 - 110	P	11/17/2025	15:44	LB137929
	Iron	4740	5000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Lead	4750	5000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Magnesium	23800	25000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Manganese	2400	2500	96	90 - 110	P	11/17/2025	15:44	LB137929
	Nickel	2380	2500	95	90 - 110	P	11/17/2025	15:44	LB137929
	Potassium	23200	25000	93	90 - 110	P	11/17/2025	15:44	LB137929
	Selenium	4800	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Silver	1190	1250	95	90 - 110	P	11/17/2025	15:44	LB137929
	Sodium	23200	25000	93	90 - 110	P	11/17/2025	15:44	LB137929
	Thallium	4520	5000	90	90 - 110	P	11/17/2025	15:44	LB137929
	Vanadium	2400	2500	96	90 - 110	P	11/17/2025	15:44	LB137929
	Zinc	2390	2500	95	90 - 110	P	11/17/2025	15:44	LB137929
CCV04	Aluminum	10200	10000	102	90 - 110	P	11/17/2025	16:34	LB137929
	Antimony	5160	5000	103	90 - 110	P	11/17/2025	16:34	LB137929

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5130	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Barium	10000	10000	100	90 - 110	P	11/17/2025	16:34	LB137929
	Beryllium	254	250	102	90 - 110	P	11/17/2025	16:34	LB137929
	Cadmium	2510	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Calcium	25200	25000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Chromium	1020	1000	102	90 - 110	P	11/17/2025	16:34	LB137929
	Cobalt	2530	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Copper	1290	1250	103	90 - 110	P	11/17/2025	16:34	LB137929
	Iron	5130	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Lead	5030	5000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Magnesium	25200	25000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Manganese	2560	2500	102	90 - 110	P	11/17/2025	16:34	LB137929
	Nickel	2520	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Potassium	25200	25000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Selenium	5160	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Silver	1280	1250	103	90 - 110	P	11/17/2025	16:34	LB137929
	Sodium	25600	25000	102	90 - 110	P	11/17/2025	16:34	LB137929
	Thallium	5180	5000	104	90 - 110	P	11/17/2025	16:34	LB137929
	Vanadium	2530	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Zinc	2610	2500	104	90 - 110	P	11/17/2025	16:34	LB137929
CCV05	Aluminum	10200	10000	102	90 - 110	P	11/17/2025	17:24	LB137929
	Antimony	5150	5000	103	90 - 110	P	11/17/2025	17:24	LB137929
	Arsenic	5130	5000	102	90 - 110	P	11/17/2025	17:24	LB137929
	Barium	9840	10000	98	90 - 110	P	11/17/2025	17:24	LB137929
	Beryllium	250	250	100	90 - 110	P	11/17/2025	17:24	LB137929
	Cadmium	2530	2500	101	90 - 110	P	11/17/2025	17:24	LB137929
	Calcium	25000	25000	100	90 - 110	P	11/17/2025	17:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	17:24	LB137929
	Cobalt	2540	2500	102	90 - 110	P	11/17/2025	17:24	LB137929
	Copper	1290	1250	103	90 - 110	P	11/17/2025	17:24	LB137929
	Iron	4960	5000	99	90 - 110	P	11/17/2025	17:24	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	17:24	LB137929
	Magnesium	25000	25000	100	90 - 110	P	11/17/2025	17:24	LB137929
	Manganese	2580	2500	103	90 - 110	P	11/17/2025	17:24	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2530	2500	101	90 - 110	P	11/17/2025	17:24	LB137929
	Potassium	24300	25000	97	90 - 110	P	11/17/2025	17:24	LB137929
	Selenium	5110	5000	102	90 - 110	P	11/17/2025	17:24	LB137929
	Silver	1260	1250	101	90 - 110	P	11/17/2025	17:24	LB137929
	Sodium	24600	25000	99	90 - 110	P	11/17/2025	17:24	LB137929
	Thallium	5340	5000	107	90 - 110	P	11/17/2025	17:24	LB137929
	Vanadium	2520	2500	101	90 - 110	P	11/17/2025	17:24	LB137929
	Zinc	2580	2500	103	90 - 110	P	11/17/2025	17:24	LB137929
CCV06	Aluminum	9870	10000	99	90 - 110	P	11/17/2025	18:15	LB137929
	Antimony	5040	5000	101	90 - 110	P	11/17/2025	18:15	LB137929
	Arsenic	5010	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Barium	9690	10000	97	90 - 110	P	11/17/2025	18:15	LB137929
	Beryllium	244	250	98	90 - 110	P	11/17/2025	18:15	LB137929
	Cadmium	2450	2500	98	90 - 110	P	11/17/2025	18:15	LB137929
	Calcium	24400	25000	98	90 - 110	P	11/17/2025	18:15	LB137929
	Chromium	1000	1000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Cobalt	2470	2500	99	90 - 110	P	11/17/2025	18:15	LB137929
	Copper	1260	1250	101	90 - 110	P	11/17/2025	18:15	LB137929
	Iron	4940	5000	99	90 - 110	P	11/17/2025	18:15	LB137929
	Lead	4890	5000	98	90 - 110	P	11/17/2025	18:15	LB137929
	Magnesium	24300	25000	97	90 - 110	P	11/17/2025	18:15	LB137929
	Manganese	2500	2500	100	90 - 110	P	11/17/2025	18:15	LB137929
	Nickel	2460	2500	98	90 - 110	P	11/17/2025	18:15	LB137929
	Potassium	24100	25000	97	90 - 110	P	11/17/2025	18:15	LB137929
	Selenium	5020	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	18:15	LB137929
	Sodium	24500	25000	98	90 - 110	P	11/17/2025	18:15	LB137929
	Thallium	4960	5000	99	90 - 110	P	11/17/2025	18:15	LB137929
	Vanadium	2450	2500	98	90 - 110	P	11/17/2025	18:15	LB137929
	Zinc	2570	2500	103	90 - 110	P	11/17/2025	18:15	LB137929
CCV07	Aluminum	9850	10000	98	90 - 110	P	11/17/2025	19:07	LB137929
	Antimony	4980	5000	100	90 - 110	P	11/17/2025	19:07	LB137929
	Arsenic	4980	5000	100	90 - 110	P	11/17/2025	19:07	LB137929
	Barium	9940	10000	99	90 - 110	P	11/17/2025	19:07	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	246	250	99	90 - 110	P	11/17/2025	19:07	LB137929
	Cadmium	2410	2500	96	90 - 110	P	11/17/2025	19:07	LB137929
	Calcium	24400	25000	98	90 - 110	P	11/17/2025	19:07	LB137929
	Chromium	987	1000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Cobalt	2430	2500	97	90 - 110	P	11/17/2025	19:07	LB137929
	Copper	1260	1250	100	90 - 110	P	11/17/2025	19:07	LB137929
	Iron	4960	5000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Lead	4790	5000	96	90 - 110	P	11/17/2025	19:07	LB137929
	Magnesium	24100	25000	97	90 - 110	P	11/17/2025	19:07	LB137929
	Manganese	2450	2500	98	90 - 110	P	11/17/2025	19:07	LB137929
	Nickel	2420	2500	97	90 - 110	P	11/17/2025	19:07	LB137929
	Potassium	24500	25000	98	90 - 110	P	11/17/2025	19:07	LB137929
	Selenium	4970	5000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:07	LB137929
	Sodium	24600	25000	98	90 - 110	P	11/17/2025	19:07	LB137929
	Thallium	4840	5000	97	90 - 110	P	11/17/2025	19:07	LB137929
	Vanadium	2440	2500	98	90 - 110	P	11/17/2025	19:07	LB137929
	Zinc	2580	2500	103	90 - 110	P	11/17/2025	19:07	LB137929
CCV08	Aluminum	10300	10000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Antimony	5180	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Arsenic	5170	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Barium	10200	10000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Beryllium	254	250	102	90 - 110	P	11/17/2025	19:24	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	19:24	LB137929
	Calcium	25400	25000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	19:24	LB137929
	Cobalt	2530	2500	101	90 - 110	P	11/17/2025	19:24	LB137929
	Copper	1300	1250	104	90 - 110	P	11/17/2025	19:24	LB137929
	Iron	5130	5000	103	90 - 110	P	11/17/2025	19:24	LB137929
	Lead	4990	5000	100	90 - 110	P	11/17/2025	19:24	LB137929
	Magnesium	25300	25000	101	90 - 110	P	11/17/2025	19:24	LB137929
	Manganese	2570	2500	103	90 - 110	P	11/17/2025	19:24	LB137929
	Nickel	2520	2500	101	90 - 110	P	11/17/2025	19:24	LB137929
	Potassium	25300	25000	101	90 - 110	P	11/17/2025	19:24	LB137929

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5180	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Silver	1290	1250	103	90 - 110	P	11/17/2025	19:24	LB137929
	Sodium	25600	25000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Thallium	5140	5000	103	90 - 110	P	11/17/2025	19:24	LB137929
	Vanadium	2550	2500	102	90 - 110	P	11/17/2025	19:24	LB137929
	Zinc	2660	2500	106	90 - 110	P	11/17/2025	19:24	LB137929
CCV09	Aluminum	9890	10000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Antimony	5200	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Arsenic	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Barium	9950	10000	100	90 - 110	P	11/17/2025	19:47	LB137929
	Beryllium	243	250	97	90 - 110	P	11/17/2025	19:47	LB137929
	Cadmium	2430	2500	97	90 - 110	P	11/17/2025	19:47	LB137929
	Calcium	24700	25000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Chromium	990	1000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Cobalt	2450	2500	98	90 - 110	P	11/17/2025	19:47	LB137929
	Copper	1280	1250	103	90 - 110	P	11/17/2025	19:47	LB137929
	Iron	5060	5000	101	90 - 110	P	11/17/2025	19:47	LB137929
	Lead	4900	5000	98	90 - 110	P	11/17/2025	19:47	LB137929
	Magnesium	24200	25000	97	90 - 110	P	11/17/2025	19:47	LB137929
	Manganese	2650	2500	106	90 - 110	P	11/17/2025	19:47	LB137929
	Nickel	2440	2500	98	90 - 110	P	11/17/2025	19:47	LB137929
	Potassium	24800	25000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Selenium	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:47	LB137929
	Sodium	24800	25000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Thallium	5020	5000	100	90 - 110	P	11/17/2025	19:47	LB137929
	Vanadium	2470	2500	99	90 - 110	P	11/17/2025	19:47	LB137929
	Zinc	2620	2500	105	90 - 110	P	11/17/2025	19:47	LB137929

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV	Aluminum	120	100	120	80 - 120	P	11/17/2025	19:57	LB137929
	Antimony	55.6	50.0	111	80 - 120	P	11/17/2025	19:57	LB137929
	Arsenic	20.5	20.0	103	80 - 120	P	11/17/2025	19:57	LB137929
	Barium	102	100	102	80 - 120	P	11/17/2025	19:57	LB137929
	Beryllium	6.51	6.0	109	80 - 120	P	11/17/2025	19:57	LB137929
	Cadmium	6.08	6.0	101	80 - 120	P	11/17/2025	19:57	LB137929
	Calcium	2090	2000	104	80 - 120	P	11/17/2025	19:57	LB137929
	Chromium	10.4	10.0	104	80 - 120	P	11/17/2025	19:57	LB137929
	Cobalt	30.7	30.0	102	80 - 120	P	11/17/2025	19:57	LB137929
	Copper	22.6	20.0	113	80 - 120	P	11/17/2025	19:57	LB137929
	Iron	117	100	117	80 - 120	P	11/17/2025	19:57	LB137929
	Lead	14.3	12.0	119	80 - 120	P	11/17/2025	19:57	LB137929
	Magnesium	2190	2000	110	80 - 120	P	11/17/2025	19:57	LB137929
	Manganese	23.0	20.0	115	80 - 120	P	11/17/2025	19:57	LB137929
	Nickel	42.5	40.0	106	80 - 120	P	11/17/2025	19:57	LB137929
	Potassium	2060	2000	103	80 - 120	P	11/17/2025	19:57	LB137929
	Selenium	19.2	20.0	96	80 - 120	P	11/17/2025	19:57	LB137929
	Silver	11.9	10.0	119	80 - 120	P	11/17/2025	19:57	LB137929
	Sodium	1890	2000	94	80 - 120	P	11/17/2025	19:57	LB137929
	Thallium	39.0	40.0	97	80 - 120	P	11/17/2025	19:57	LB137929
	Vanadium	42.1	40.0	105	80 - 120	P	11/17/2025	19:57	LB137929
	Zinc	39.3	40.0	98	80 - 120	P	11/17/2025	19:57	LB137929

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	117	100	118	65 - 135	P	11/17/2025	13:35	LB137929
	Antimony	53.9	50.0	108	65 - 135	P	11/17/2025	13:35	LB137929
	Arsenic	20.5	20.0	102	65 - 135	P	11/17/2025	13:35	LB137929
	Barium	104	100	104	65 - 135	P	11/17/2025	13:35	LB137929
	Beryllium	6.60	6.0	110	65 - 135	P	11/17/2025	13:35	LB137929
	Cadmium	6.08	6.0	101	65 - 135	P	11/17/2025	13:35	LB137929
	Calcium	2090	2000	104	65 - 135	P	11/17/2025	13:35	LB137929
	Chromium	10.4	10.0	104	65 - 135	P	11/17/2025	13:35	LB137929
	Cobalt	31.0	30.0	104	65 - 135	P	11/17/2025	13:35	LB137929
	Copper	22.4	20.0	112	65 - 135	P	11/17/2025	13:35	LB137929
	Iron	107	100	107	65 - 135	P	11/17/2025	13:35	LB137929
	Lead	12.4	12.0	103	65 - 135	P	11/17/2025	13:35	LB137929
	Magnesium	2200	2000	110	65 - 135	P	11/17/2025	13:35	LB137929
	Manganese	21.8	20.0	109	65 - 135	P	11/17/2025	13:35	LB137929
	Nickel	42.9	40.0	107	65 - 135	P	11/17/2025	13:35	LB137929
	Potassium	1910	2000	96	65 - 135	P	11/17/2025	13:35	LB137929
	Selenium	22.9	20.0	115	65 - 135	P	11/17/2025	13:35	LB137929
	Silver	10.6	10.0	106	65 - 135	P	11/17/2025	13:35	LB137929
	Sodium	1840	2000	92	65 - 135	P	11/17/2025	13:35	LB137929
	Thallium	45.3	40.0	113	65 - 135	P	11/17/2025	13:35	LB137929
	Vanadium	42.4	40.0	106	65 - 135	P	11/17/2025	13:35	LB137929
	Zinc	43.8	40.0	110	65 - 135	P	11/17/2025	13:35	LB137929
CRA	Mercury	0.21	0.2	105	70 - 130	CV	11/18/2025	10:05	LB137932

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	252000	255000	99	216000	294000	11/17/2025	13:40	LB137929
	Antimony	-0.25			-50	50	11/17/2025	13:40	LB137929
	Arsenic	11.0			-20	20	11/17/2025	13:40	LB137929
	Barium	6.13	6.0	102	-94	106	11/17/2025	13:40	LB137929
	Beryllium	0.92			-6	6	11/17/2025	13:40	LB137929
	Cadmium	5.85	1.0	585	-5	7	11/17/2025	13:40	LB137929
	Calcium	239000	245000	98	208000	282000	11/17/2025	13:40	LB137929
	Chromium	51.1	52.0	98	42	62	11/17/2025	13:40	LB137929
	Cobalt	2.40			-30	30	11/17/2025	13:40	LB137929
	Copper	-17.2	2.0	860	-18	22	11/17/2025	13:40	LB137929
	Iron	96200	101000	95	85600	116500	11/17/2025	13:40	LB137929
	Lead	9.64			-12	12	11/17/2025	13:40	LB137929
	Magnesium	255000	255000	100	216000	294000	11/17/2025	13:40	LB137929
	Manganese	10.9	7.0	156	-13	27	11/17/2025	13:40	LB137929
	Nickel	5.91	2.0	296	-38	42	11/17/2025	13:40	LB137929
	Potassium	-16.1			0	0	11/17/2025	13:40	LB137929
	Selenium	8.91			-20	20	11/17/2025	13:40	LB137929
	Silver	-3.73			-10	10	11/17/2025	13:40	LB137929
	Sodium	-50.9			0	0	11/17/2025	13:40	LB137929
	Thallium	33.1			-40	40	11/17/2025	13:40	LB137929
	Vanadium	2.16			-40	40	11/17/2025	13:40	LB137929
	Zinc	6.79			-40	40	11/17/2025	13:40	LB137929
ICSAB01	Aluminum	249000	247000	101	209000	285000	11/17/2025	13:44	LB137929
	Antimony	592	618	96	525	711	11/17/2025	13:44	LB137929
	Arsenic	116	104	112	88.4	120	11/17/2025	13:44	LB137929
	Barium	494	537	92	437	637	11/17/2025	13:44	LB137929
	Beryllium	502	495	101	420	570	11/17/2025	13:44	LB137929
	Cadmium	994	972	102	826	1120	11/17/2025	13:44	LB137929
	Calcium	236000	235000	100	199000	271000	11/17/2025	13:44	LB137929
	Chromium	565	542	104	460	624	11/17/2025	13:44	LB137929
	Cobalt	504	476	106	404	548	11/17/2025	13:44	LB137929
	Copper	460	511	90	434	588	11/17/2025	13:44	LB137929
	Iron	98300	99300	99	84400	114500	11/17/2025	13:44	LB137929
	Lead	58.0	49.0	118	37	61	11/17/2025	13:44	LB137929
	Magnesium	253000	248000	102	210000	286000	11/17/2025	13:44	LB137929
	Manganese	505	507	100	430	584	11/17/2025	13:44	LB137929
	Nickel	1000	954	105	810	1100	11/17/2025	13:44	LB137929
	Potassium	-106			0	0	11/17/2025	13:44	LB137929
	Selenium	58.2	46.0	126	26	66	11/17/2025	13:44	LB137929
	Silver	194	201	96	170	232	11/17/2025	13:44	LB137929
	Sodium	-65.9			0	0	11/17/2025	13:44	LB137929
	Thallium	137	108	127	68	148	11/17/2025	13:44	LB137929

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	488	491	99	417	565	11/17/2025	13:44	LB137929
	Zinc	1050	952	110	809	1095	11/17/2025	13:44	LB137929

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3649

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3649-06 **client id:** B4-0.0-0.5-20251114MS

Percent Solids for Sample: 91.4 **Spiked ID:** Q3649-06MS **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6570		5000		97.3	1606		P
Antimony	mg/Kg	75 - 125	13.6		2.46	U	38.9	35	N	P
Arsenic	mg/Kg	75 - 125	31.3		1.88		38.9	76		P
Barium	mg/Kg	75 - 125	41.3		26.0		9.7	157	N	P
Beryllium	mg/Kg	75 - 125	7.60		0.41		9.7	74	N	P
Cadmium	mg/Kg	75 - 125	10.4		1.09		9.7	96		P
Calcium	mg/Kg	75 - 125	1250		1180		48.6	143		P
Chromium	mg/Kg	75 - 125	26.7		11.3		19.5	79		P
Cobalt	mg/Kg	75 - 125	16.7		6.43		9.7	106		P
Copper	mg/Kg	75 - 125	13.4		2.16		14.6	77		P
Iron	mg/Kg	75 - 125	14300		13400		150	594		P
Lead	mg/Kg	75 - 125	58.5		14.5		48.6	90		P
Magnesium	mg/Kg	75 - 125	1450		1090		97.3	366		P
Manganese	mg/Kg	75 - 125	434		382		9.7	539		P
Mercury	mg/Kg	80 - 120	0.23		0.020		0.28	73	N	CV
Nickel	mg/Kg	75 - 125	36.7		11.7		24.3	103		P
Potassium	mg/Kg	75 - 125	954		483		490	96		P
Selenium	mg/Kg	75 - 125	69.5		0.99	U	97.3	71	N	P
Silver	mg/Kg	75 - 125	2.15		0.49	U	3.6	60	N	P
Sodium	mg/Kg	75 - 125	428		290		150	92		P
Thallium	mg/Kg	75 - 125	84.2		0.38	J	97.3	86		P
Vanadium	mg/Kg	75 - 125	24.5		12.9		14.6	80		P
Zinc	mg/Kg	75 - 125	33.0		23.1		9.7	102		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3649

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3649-06 **client id:** B4-0.0-0.5-20251114MSD

Percent Solids for Sample: 91.4 **Spiked ID:** Q3649-06MSD **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6680		5000		97.3	1721		P
Antimony	mg/Kg	75 - 125	13.8		2.46	U	38.9	36	N	P
Arsenic	mg/Kg	75 - 125	32.1		1.88		38.9	78		P
Barium	mg/Kg	75 - 125	41.9		26.0		9.7	163	N	P
Beryllium	mg/Kg	75 - 125	7.70		0.41		9.7	75		P
Cadmium	mg/Kg	75 - 125	10.8		1.09		9.7	100		P
Calcium	mg/Kg	75 - 125	1260		1180		48.6	165		P
Chromium	mg/Kg	75 - 125	26.8		11.3		19.5	79		P
Cobalt	mg/Kg	75 - 125	17.2		6.43		9.7	111		P
Copper	mg/Kg	75 - 125	13.7		2.16		14.6	79		P
Iron	mg/Kg	75 - 125	14400		13400		150	700		P
Lead	mg/Kg	75 - 125	60.5		14.5		48.6	95		P
Magnesium	mg/Kg	75 - 125	1470		1090		97.3	386		P
Manganese	mg/Kg	75 - 125	439		382		9.7	583		P
Mercury	mg/Kg	80 - 120	0.26		0.020		0.3	81		CV
Nickel	mg/Kg	75 - 125	37.7		11.7		24.3	107		P
Potassium	mg/Kg	75 - 125	977		483		490	101		P
Selenium	mg/Kg	75 - 125	71.3		0.99	U	97.3	73	N	P
Silver	mg/Kg	75 - 125	2.20		0.49	U	3.6	61	N	P
Sodium	mg/Kg	75 - 125	433		290		150	95		P
Thallium	mg/Kg	75 - 125	86.3		0.38	J	97.3	88		P
Vanadium	mg/Kg	75 - 125	25.0		12.9		14.6	83		P
Zinc	mg/Kg	75 - 125	33.3		23.1		9.7	106		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** B4-0.0-0.5-20251114A

Sample ID: Q3649-06 **Spiked ID:** Q3649-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	29.2		2.46	U	39.4	74	N	P
Barium	mg/Kg	75 - 125	33.3		26.0		9.90	74	N	P
Beryllium	mg/Kg	75 - 125	7.63		0.41		9.90	73	N	P
Mercury	mg/Kg	80 - 120	0.29		0.020		0.27	99		CV
Selenium	mg/Kg	75 - 125	72.4		0.99	U	98.6	73	N	P
Silver	mg/Kg	75 - 125	2.27		0.49	U	3.70	61	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3649-06 **Client ID:** B4-0.0-0.5-20251114DUP

Percent Solids for Sample: 91.4 **Duplicate ID** Q3649-06DUP **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5000		4760		5		P
Antimony	mg/Kg	20	2.46	U	2.36	U			P
Arsenic	mg/Kg	20	1.88		1.77		6		P
Barium	mg/Kg	20	26.0		24.7		5		P
Beryllium	mg/Kg	20	0.41		0.39		4		P
Cadmium	mg/Kg	20	1.09		1.03		6		P
Calcium	mg/Kg	20	1180		1120		5		P
Chromium	mg/Kg	20	11.3		10.8		4		P
Cobalt	mg/Kg	20	6.43		6.12		5		P
Copper	mg/Kg	20	2.16		1.93		11		P
Iron	mg/Kg	20	13400		12800		5		P
Lead	mg/Kg	20	14.5		14.0		4		P
Magnesium	mg/Kg	20	1090		1040		5		P
Manganese	mg/Kg	20	382		367		4		P
Mercury	mg/Kg	20	0.020		0.019		5		CV
Nickel	mg/Kg	20	11.7		11.1		5		P
Potassium	mg/Kg	20	483		460		5		P
Selenium	mg/Kg	20	0.99	U	0.94	U			P
Silver	mg/Kg	20	0.49	U	0.47	U			P
Sodium	mg/Kg	20	290		273		6		P
Thallium	mg/Kg	20	0.38	J	1.89	U	200.0		P
Vanadium	mg/Kg	20	12.9		12.4		4		P
Zinc	mg/Kg	20	23.1		22.0		5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3649-06MS **Client ID:** B4-0.0-0.5-20251114MSD

Percent Solids for Sample: 91.4 **Duplicate ID** Q3649-06MSD **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6570		6680		2		P
Antimony	mg/Kg	20	13.6		13.8		1		P
Arsenic	mg/Kg	20	31.3		32.1		3		P
Barium	mg/Kg	20	41.3		41.9		1		P
Beryllium	mg/Kg	20	7.60		7.70		1		P
Cadmium	mg/Kg	20	10.4		10.8		3		P
Calcium	mg/Kg	20	1250		1260		1		P
Chromium	mg/Kg	20	26.7		26.8		0		P
Cobalt	mg/Kg	20	16.7		17.2		3		P
Copper	mg/Kg	20	13.4		13.7		2		P
Iron	mg/Kg	20	14300		14400		1		P
Lead	mg/Kg	20	58.5		60.5		3		P
Magnesium	mg/Kg	20	1450		1470		1		P
Manganese	mg/Kg	20	434		439		1		P
Mercury	mg/Kg	20	0.23		0.26		16		CV
Nickel	mg/Kg	20	36.7		37.7		3		P
Potassium	mg/Kg	20	954		977		2		P
Selenium	mg/Kg	20	69.5		71.3		3		P
Silver	mg/Kg	20	2.15		2.20		2		P
Sodium	mg/Kg	20	428		433		1		P
Thallium	mg/Kg	20	84.2		86.3		2		P
Vanadium	mg/Kg	20	24.5		25.0		2		P
Zinc	mg/Kg	20	33.0		33.3		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170579BS							
Aluminum	mg/Kg	100	102		102	80 - 120	P
Antimony	mg/Kg	40.0	40.9		102	80 - 120	P
Arsenic	mg/Kg	40.0	39.9		100	80 - 120	P
Barium	mg/Kg	10.0	9.98		100	80 - 120	P
Beryllium	mg/Kg	10.0	10.3		103	80 - 120	P
Cadmium	mg/Kg	10.0	9.88		99	80 - 120	P
Calcium	mg/Kg	50.0	54.1	J	108	80 - 120	P
Chromium	mg/Kg	20.0	20.8		104	80 - 120	P
Cobalt	mg/Kg	10.0	10.1		101	80 - 120	P
Copper	mg/Kg	15.0	15.9		106	80 - 120	P
Iron	mg/Kg	150	151		101	80 - 120	P
Lead	mg/Kg	50.0	48.3		97	80 - 120	P
Magnesium	mg/Kg	100	103		103	80 - 120	P
Manganese	mg/Kg	10.0	10.5		105	80 - 120	P
Nickel	mg/Kg	25.0	25.2		101	80 - 120	P
Potassium	mg/Kg	500	486		97	80 - 120	P
Selenium	mg/Kg	100	101		101	80 - 120	P
Silver	mg/Kg	3.8	3.94		104	80 - 120	P
Sodium	mg/Kg	150	143		95	80 - 120	P
Thallium	mg/Kg	100	91.8		92	80 - 120	P
Vanadium	mg/Kg	15.0	15.5		103	80 - 120	P
Zinc	mg/Kg	10.0	10.7		107	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170581BS							
Mercury	mg/Kg	0.28	0.29		104	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B4-0.0-0.5-20251114L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137929 **Lab Sample ID :** Q3649-06L **SDG No.:** Q3649

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	5000		5880		17		P
Antimony	2.46	U	12.3	U			P
Arsenic	1.88		2.08	J	11		P
Barium	26.0		30.2		16		P
Beryllium	0.41		0.49	J	20		P
Cadmium	1.09		0.74	J	31		P
Calcium	1180		1390		18		P
Chromium	11.3		13.4		19		P
Cobalt	6.43		6.09	J	5		P
Copper	2.16		2.62	J	21		P
Iron	13400		15800		18		P
Lead	14.5		14.5		0		P
Magnesium	1090		1300		19		P
Manganese	382		459		20		P
Mercury	0.020		0.042	J	113		CV
Nickel	11.7		11.3		3		P
Potassium	483		513		6		P
Selenium	0.99	U	4.93	U			P
Silver	0.49	U	2.46	U			P
Sodium	290		273	J	6		P
Thallium	0.38	J	1.42	J	272		P
Vanadium	12.9		15.3		19		P
Zinc	23.1		27.1		17		P

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3649

Instrument id number: **Method:** **Run number:** LB137929

Start date: 11/17/2025 **End date:** 11/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1257	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1302	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1310	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1314	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1319	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1331	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1335	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1344	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1447	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170579BL	PB170579BL	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170579BS	PB170579BS	1	1647	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-01	B5-0.0-0.5-20251114	1	1708	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-03	DUPE-0.0-0.5-20251114	1	1712	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06	B4-0.0-0.5-20251114	1	1716	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06DUP	B4-0.0-0.5-20251114DUP	1	1720	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06L	B4-0.0-0.5-20251114L	5	1733	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06MS	B4-0.0-0.5-20251114MS	1	1737	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06MSD	B4-0.0-0.5-20251114MSD	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3649-06A	B4-0.0-0.5-20251114A	1	1745	Ag,Ba,Be,Sb,Se
Q3649-08	B3-0.0-0.5-20251114	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1907	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1924	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1928	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1947	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLCCV	LLCCV	1	1957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3649

Instrument id number: **Method:** **Run number:** LB137932

Start date: 11/18/2025 **End date:** 11/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0936	HG
S0.2	S0.2	1	0941	HG
S2.5	S2.5	1	0943	HG
S5	S5	1	0945	HG
S7.5	S7.5	1	0948	HG
S10	S10	1	0950	HG
ICV119	ICV119	1	0954	HG
ICB119	ICB119	1	0956	HG
CCV07	CCV07	1	1001	HG
CCB07	CCB07	1	1003	HG
CRA	CRA	1	1005	HG
PB170581BL	PB170581BL	1	1013	HG
PB170581BS	PB170581BS	1	1018	HG
Q3649-01	B5-0.0-0.5-20251114	1	1029	HG
CCV08	CCV08	1	1032	HG
CCB08	CCB08	1	1034	HG
Q3649-03	DUPE-0.0-0.5-20251114	1	1036	HG
Q3649-06	B4-0.0-0.5-20251114	1	1044	HG
Q3649-06DUP	B4-0.0-0.5-20251114DUP	1	1046	HG
Q3649-06MS	B4-0.0-0.5-20251114MS	1	1048	HG
Q3649-06MSD	B4-0.0-0.5-20251114MSD	1	1053	HG
Q3649-08	B3-0.0-0.5-20251114	1	1055	HG
Q3649-06L	B4-0.0-0.5-20251114L	5	1058	HG
Q3649-06A	B4-0.0-0.5-20251114A	1	1100	HG
CCV09	CCV09	1	1102	HG
CCB09	CCB09	1	1105	HG
CCV10	CCV10	1	1116	HG
CCB10	CCB10	1	1121	HG

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-07	**B4-0.0-0.5-20251114**	**TCLP**			**11/14/25**			**11/14/25**
			TCLP ICP Metals	6010D		11/17/25	11/17/25	
			TCLP Mercury	7470A		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170579**						
PB170579BL	PB170579BL	MB	SOLID	11/17/2025	2.00	100.0	100.00
PB170579BS	PB170579BS	LCS	SOLID	11/17/2025	2.00	100.0	100.00
Q3649-01	B5-0.0-0.5-20251114	SAM	SOLID	11/17/2025	2.30	100.0	90.60
Q3649-03	DUPE-0.0-0.5-20251114	SAM	SOLID	11/17/2025	2.22	100.0	86.50
Q3649-06	B4-0.0-0.5-20251114	SAM	SOLID	11/17/2025	2.22	100.0	91.40
Q3649-06DUP	B4-0.0-0.5-20251114DUP	DUP	SOLID	11/17/2025	2.32	100.0	91.40
Q3649-06MS	B4-0.0-0.5-20251114MS	MS	SOLID	11/17/2025	2.25	100.0	91.40
Q3649-06MSD	B4-0.0-0.5-20251114MSD	MSD	SOLID	11/17/2025	2.25	100.0	91.40
Q3649-08	B3-0.0-0.5-20251114	SAM	SOLID	11/17/2025	2.08	100.0	86.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170581**						
PB170581BL	PB170581BL	MB	SOLID	11/17/2025	0.50	35.0	100.00
PB170581BS	PB170581BS	LCS	SOLID	11/17/2025	0.50	35.0	100.00
Q3649-01	B5-0.0-0.5-20251114	SAM	SOLID	11/17/2025	0.56	35.0	90.60
Q3649-03	DUPE-0.0-0.5-20251114	SAM	SOLID	11/17/2025	0.56	35.0	86.50
Q3649-06	B4-0.0-0.5-20251114	SAM	SOLID	11/17/2025	0.57	35.0	91.40
Q3649-06DUP	B4-0.0-0.5-20251114DUP	DUP	SOLID	11/17/2025	0.56	35.0	91.40
Q3649-06MS	B4-0.0-0.5-20251114MS	MS	SOLID	11/17/2025	0.55	35.0	91.40
Q3649-06MSD	B4-0.0-0.5-20251114MSD	MSD	SOLID	11/17/2025	0.51	35.0	91.40
Q3649-08	B3-0.0-0.5-20251114	SAM	SOLID	11/17/2025	0.53	35.0	86.00

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/17/25 12:57		Jaswal	OK
2	S1	S1	CAL2	11/17/25 13:02		Jaswal	OK
3	S2	S2	CAL3	11/17/25 13:06		Jaswal	OK
4	S3	S3	CAL4	11/17/25 13:10		Jaswal	OK
5	S4	S4	CAL5	11/17/25 13:14		Jaswal	OK
6	S5	S5	CAL6	11/17/25 13:19		Jaswal	OK
7	ICV01	ICV01	ICV	11/17/25 13:23		Jaswal	OK
8	ICB01	ICB01	ICB	11/17/25 13:31		Jaswal	OK
9	CRI01	CRI01	CRDL	11/17/25 13:35		Jaswal	OK
10	ICSA01	ICSA01	ICSA	11/17/25 13:40		Jaswal	OK
11	ICSAB01	ICSAB01	ICSAB	11/17/25 13:44		Jaswal	OK
12	ICSADL	ICSADL	ICSA	11/17/25 13:48		Jaswal	OK
13	ICSABDL	ICSABDL	ICSAB	11/17/25 13:52		Jaswal	OK
14	CCV01	CCV01	CCV	11/17/25 13:57		Jaswal	OK
15	CCB01	CCB01	CCB	11/17/25 14:01		Jaswal	OK
16	PB170459BL	PB170459BL	MB	11/17/25 14:05		Jaswal	OK
17	PB170459BS	PB170459BS	LCS	11/17/25 14:10		Jaswal	OK
18	PB170471BL	PB170471BL	MB	11/17/25 14:14		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170471BS	PB170471BS	LCS	11/17/25 14:18		Jaswal	OK
20	PB170557BL	PB170557BL	MB	11/17/25 14:22		Jaswal	OK
21	PB170557BS	PB170557BS	LCS	11/17/25 14:26		Jaswal	OK
22	PB170558BL	PB170558BL	MB	11/17/25 14:30		Jaswal	OK
23	PB170558BS	PB170558BS	LCS	11/17/25 14:35		Jaswal	OK
24	Q3628-01	TP-5	SAM	11/17/25 14:39		Jaswal	OK
25	Q3631-01	VNJ-202	SAM	11/17/25 14:43		Jaswal	OK
26	CCV02	CCV02	CCV	11/17/25 14:47		Jaswal	OK
27	CCB02	CCB02	CCB	11/17/25 14:51		Jaswal	OK
28	LR-1	LR-1	HIGH STD	11/17/25 14:55		Jaswal	OK
29	LR-2	LR-2	HIGH STD	11/17/25 15:00		Jaswal	OK
30	Q3631-03	VNJ-208	SAM	11/17/25 15:11		Jaswal	OK
31	LR-3	LR-3	HIGH STD	11/17/25 15:15		Jaswal	OK
32	Q3633-01	ETGI-369	SAM	11/17/25 15:19		Jaswal	OK
33	Q3633-03	ETGI-342	SAM	11/17/25 15:24		Jaswal	OK
34	Q3633-05	ETGI-368	SAM	11/17/25 15:28		Jaswal	OK
35	Q3633-05DUP	ETGI-368DUP	DUP	11/17/25 15:32		Jaswal	OK
36	Q3633-05L	ETGI-368L	SD	11/17/25 15:36		Jaswal	OK
37	Q3633-05MS	ETGI-368MS	MS	11/17/25 15:40		Jaswal	OK
38	CCV03	CCV03	CCV	11/17/25 15:44		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCB03	CCB03	CCB	11/17/25 15:48		Jaswal	OK
40	Q3633-05MSD	ETGI-368MSD	MSD	11/17/25 15:52		Jaswal	OK
41	Q3633-05A	ETGI-368A	PS	11/17/25 15:56	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
42	Q3641-01	TR-05-111325	SAM	11/17/25 16:00		Jaswal	OK
43	Q3630-01	DSN002	SAM	11/17/25 16:04		Jaswal	OK
44	Q3630-01DUP	DSN002DUP	DUP	11/17/25 16:09		Jaswal	OK
45	Q3630-01L	DSN002L	SD	11/17/25 16:13		Jaswal	OK
46	Q3630-01MS	DSN002MS	MS	11/17/25 16:17		Jaswal	OK
47	Q3630-01MSD	DSN002MSD	MSD	11/17/25 16:22		Jaswal	OK
48	Q3630-01A	DSN002A	PS	11/17/25 16:26	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
49	Q3630-05	DSN003	SAM	11/17/25 16:30		Jaswal	OK
50	CCV04	CCV04	CCV	11/17/25 16:34		Jaswal	OK
51	CCB04	CCB04	CCB	11/17/25 16:38		Jaswal	OK
52	PB170579BL	PB170579BL	MB	11/17/25 16:43		Jaswal	OK
53	PB170579BS	PB170579BS	LCS	11/17/25 16:47		Jaswal	OK
54	Q3645-01	HD-02-11142025	SAM	11/17/25 16:51		Jaswal	OK
55	Q3646-01	SU-03-11142025	SAM	11/17/25 16:55		Jaswal	OK
56	Q3647-01	VNJ-212	SAM	11/17/25 16:59		Jaswal	OK
57	Q3648-01	OR-02-111425	SAM	11/17/25 17:04		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3649-01	B5-0.0-0.5-20251114	SAM	11/17/25 17:08		Jaswal	OK
59	Q3649-03	DUPE-0.0-0.5-202511	SAM	11/17/25 17:12		Jaswal	OK
60	Q3649-06	B4-0.0-0.5-20251114	SAM	11/17/25 17:16		Jaswal	OK
61	Q3649-06DUP	B4-0.0-0.5-20251114D	DUP	11/17/25 17:20		Jaswal	OK
62	CCV05	CCV05	CCV	11/17/25 17:24		Jaswal	OK
63	CCB05	CCB05	CCB	11/17/25 17:28		Jaswal	OK
64	Q3649-06L	B4-0.0-0.5-20251114L	SD	11/17/25 17:33		Jaswal	OK
65	Q3649-06MS	B4-0.0-0.5-20251114M	MS	11/17/25 17:37		Jaswal	OK
66	Q3649-06MSD	B4-0.0-0.5-20251114M	MSD	11/17/25 17:41		Jaswal	OK
67	Q3649-06A	B4-0.0-0.5-20251114A	PS	11/17/25 17:45	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
68	Q3649-08	B3-0.0-0.5-20251114	SAM	11/17/25 17:49		Jaswal	OK
69	PB170583BL	PB170583BL	MB	11/17/25 17:53		Jaswal	OK
70	PB170583BS	PB170583BS	LCS	11/17/25 17:57		Jaswal	OK
71	PB170544TB	PB170544TB	MB	11/17/25 18:02	NOT USE	Jaswal	Not Ok
72	Q3486-11	TP6	SAM	11/17/25 18:06		Jaswal	OK
73	Q3588-07	TR-06-11072025	SAM	11/17/25 18:10		Jaswal	OK
74	CCV06	CCV06	CCV	11/17/25 18:15		Jaswal	OK
75	CCB06	CCB06	CCB	11/17/25 18:19		Jaswal	OK
76	Q3628-04	TP-5	SAM	11/17/25 18:23		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

77	Q3638-02	MOO-25-0327	SAM	11/17/25 18:28		Jaswal	OK
78	Q3638-04	MOO-25-0328	SAM	11/17/25 18:32		Jaswal	OK
79	Q3640-02	LAW-25-0179-0180	SAM	11/17/25 18:37		Jaswal	OK
80	Q3640-03	LAW-25-0182	SAM	11/17/25 18:41		Jaswal	OK
81	Q3647-02	VNJ-212	SAM	11/17/25 18:45		Jaswal	OK
82	Q3649-07	B4-0.0-0.5-20251114	SAM	11/17/25 18:50		Jaswal	OK
83	Q3649-07DUP	B4-0.0-0.5-20251114D	DUP	11/17/25 18:54		Jaswal	OK
84	Q3649-07L	B4-0.0-0.5-20251114L	SD	11/17/25 18:59		Jaswal	OK
85	Q3649-07MS	B4-0.0-0.5-20251114M	MS	11/17/25 19:03		Jaswal	OK
86	CCV07	CCV07	CCV	11/17/25 19:07		Jaswal	OK
87	CCB07	CCB07	CCB	11/17/25 19:11		Jaswal	OK
88	Q3649-07MSD	B4-0.0-0.5-20251114M	MSD	11/17/25 19:16		Jaswal	OK
89	Q3649-07A	B4-0.0-0.5-20251114A	PS	11/17/25 19:20	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
90	CCV08	CCV08	CCV	11/17/25 19:24		Jaswal	OK
91	CCB08	CCB08	CCB	11/17/25 19:28		Jaswal	OK
92	CCV09	CCV09	CCV	11/17/25 19:47		Jaswal	OK
93	LLCCV	LLCCV	LLCCV	11/17/25 19:57		Jaswal	OK
94	CCB09	CCB09	CCB	11/17/25 20:02		Jaswal	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137932

Review By	mohan	Review On	11/18/2025 5:21:29 PM
Supervise By	jaswal	Supervise On	11/18/2025 5:35:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP87982,MP87983,MP87984,MP87985,MP87986,MP87987
ICV Standard	MP87988
CCV Standard	MP87990
ICSA Standard	
CRI Standard	MP87992
LCS Standard	
Chk Standard	MP87989,MP87991,MP87993,MP88011

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/18/25 09:36		mohan	OK
2	S0.2	S0.2	CAL2	11/18/25 09:41		mohan	OK
3	S2.5	S2.5	CAL3	11/18/25 09:43		mohan	OK
4	S5	S5	CAL4	11/18/25 09:45		mohan	OK
5	S7.5	S7.5	CAL5	11/18/25 09:48		mohan	OK
6	S10	S10	CAL6	11/18/25 09:50		mohan	OK
7	ICV119	ICV119	ICV	11/18/25 09:54		mohan	OK
8	ICB119	ICB119	ICB	11/18/25 09:56		mohan	OK
9	CCV07	CCV07	CCV	11/18/25 10:01		mohan	OK
10	CCB07	CCB07	CCB	11/18/25 10:03		mohan	OK
11	CRA	CRA	CRDL	11/18/25 10:05		mohan	OK
12	HighStd	HighStd	HIGH STD	11/18/25 10:08		mohan	OK
13	ChkStd	ChkStd	SAM	11/18/25 10:10		mohan	OK
14	PB170581BL	PB170581BL	MB	11/18/25 10:13		mohan	OK
15	PB170581BS	PB170581BS	LCS	11/18/25 10:18		mohan	OK
16	Q3645-01	HD-02-11142025	SAM	11/18/25 10:20		mohan	OK
17	Q3646-01	SU-03-11142025	SAM	11/18/25 10:22		mohan	OK
18	Q3647-01	VNJ-212	SAM	11/18/25 10:25		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137932

Review By	mohan	Review On	11/18/2025 5:21:29 PM
Supervise By	jaswal	Supervise On	11/18/2025 5:35:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP87982,MP87983,MP87984,MP87985,MP87986,MP87987
ICV Standard	MP87988
CCV Standard	MP87990
ICSA Standard	
CRI Standard	MP87992
LCS Standard	
Chk Standard	MP87989,MP87991,MP87993,MP88011

19	Q3648-01	OR-02-111425	SAM	11/18/25 10:27	Hg is high, need dilution	mohan	Dilution
20	Q3649-01	B5-0.0-0.5-20251114	SAM	11/18/25 10:29		mohan	OK
21	CCV08	CCV08	CCV	11/18/25 10:32		mohan	OK
22	CCB08	CCB08	CCB	11/18/25 10:34		mohan	OK
23	Q3649-03	DUPE-0.0-0.5-202511	SAM	11/18/25 10:36		mohan	OK
24	Q3649-06	B4-0.0-0.5-20251114	SAM	11/18/25 10:44		mohan	OK
25	Q3649-06DUP	B4-0.0-0.5-20251114D	DUP	11/18/25 10:46		mohan	OK
26	Q3649-06MS	B4-0.0-0.5-20251114M	MS	11/18/25 10:48		mohan	OK
27	Q3649-06MSD	B4-0.0-0.5-20251114M	MSD	11/18/25 10:53		mohan	OK
28	Q3649-08	B3-0.0-0.5-20251114	SAM	11/18/25 10:55		mohan	OK
29	Q3649-06L	B4-0.0-0.5-20251114L	SD	11/18/25 10:58		mohan	OK
30	Q3649-06A	B4-0.0-0.5-20251114A	PS	11/18/25 11:00		mohan	OK
31	CCV09	CCV09	CCV	11/18/25 11:02		mohan	OK
32	CCB09	CCB09	CCB	11/18/25 11:05		mohan	OK
33	Q3652-01	TP-1	SAM	11/18/25 11:07		mohan	OK
34	Q3656-01	T2-GRAVEL	SAM	11/18/25 11:09		mohan	OK
35	Q3658-01	NB-07-111725	SAM	11/18/25 11:11		mohan	OK
36	Q3648-01DL	OR-02-111425DL	SAM	11/18/25 11:14	5X For Hg	mohan	Confirms
37	CCV10	CCV10	CCV	11/18/25 11:16		mohan	OK
38	CCB10	CCB10	CCB	11/18/25 11:21		mohan	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170579

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/17/2025 **Time :** 10:45 **Temp :** 96 °C

End Digest Date: 11/17/2025 **Time :** 12:50 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SLG

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6209
LFS-2	1.00	M6201
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	5.00	M6187
1:1 HNO3	10.00	MP86978
30% H2O2	3.00	M6170
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25 13:50	SLG met dig	Inorganics Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170579

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB170579BL	PBS579	N/A	2.00	100	Colorless	Colorless	Fine	No	N/A	1
PB170579BS	LCS579	N/A	2.00	100	Colorless	Colorless	Fine	No	M6209,M6201	2
Q3645-01	HD-02-11142025	N/A	2.34	100	Brown	Yellow	Medium	No	N/A	3
Q3646-01	SU-03-11142025	N/A	2.14	100	Brown	Yellow	Medium	No	N/A	4
Q3647-01	VNJ-212	N/A	2.46	100	Brown	Yellow	Medium	No	N/A	5
Q3648-01	OR-02-111425	N/A	2.20	100	Brown	Yellow	Medium	No	N/A	6
Q3649-01	B5-0.0-0.5-20251114	N/A	2.30	100	Brown	Yellow	Medium	No	N/A	7
Q3649-03	DUPE-0.0-0.5-20251114	N/A	2.22	100	Brown	Yellow	Medium	No	N/A	8
Q3649-06	B4-0.0-0.5-20251114	N/A	2.22	100	Brown	Yellow	Medium	No	N/A	9
Q3649-06MS	B4-0.0-0.5-20251114MS	N/A	2.25	100	Brown	Yellow	Medium	No	M6209,M6201	11
Q3649-06MSD	B4-0.0-0.5-20251114MSD	N/A	2.25	100	Brown	Yellow	Medium	No	M6209,M6201	12
Q3649-06DUP	B4-0.0-0.5-20251114DUP	N/A	2.32	100	Brown	Yellow	Medium	No	N/A	10
Q3649-08	B3-0.0-0.5-20251114	N/A	2.08	100	Brown	Yellow	Medium	No	N/A	13

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170581

SOP ID : M7471B-Mercury-19

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 11/17/2025 **Time :** 16:10 **Temp :** 94 °C

End Digest Date: 11/17/2025 **Time :** 16:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: mm

Supervisor Signature: mm

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87988
CCV	30mL	MP87990
CRA	30mL	MP87992
Blank Spike	0.48mL	MP87981
Matrix Spike	0.48mL	MP87981

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5Ml	MP87994
KMnO4 (5%)	4.5mL	MP87634
Hydroxylamine HCL (12%)	2.0Ml	MP87636
PTFE Boiling Stones	--------	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP87982
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87983
2.5 ppb	S2.5	30mL	MP87984
5.0 ppb	S5.0	30mL	MP87985
7.5 ppb	S7.5	30ml	MP87986
10.0 ppb	S10.0	30mL	MP87987
ICV	ICV	30mL	MP87988
ICB	ICB	30mL	MP87989
CCV	CCV	30mL	MP87990
CCB	CCB	30mL	MP87991
CRI	CRI	30mL	MP87992
CHK STD	CHK STD	30mL	MP87993

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25 17:40	mm met lab	mm met lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170581 10

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB170581BL	PBS581	0.50	35	NA	N/A	3-1
PB170581BS	LCS581	0.50	35	NA	MP87981	2
Q3645-01	HD-02-11142025	0.57	35	NA	N/A	3
Q3646-01	SU-03-11142025	0.58	35	NA	N/A	4
Q3647-01	VNJ-212	0.52	35	NA	N/A	5
Q3648-01	OR-02-111425	0.58	35	NA	N/A	6
Q3649-01	B5-0.0-0.5-20251114	0.56	35	NA	N/A	7
Q3649-03	DUPE-0.0-0.5-20251114	0.56	35	NA	N/A	8
Q3649-06	B4-0.0-0.5-20251114	0.57	35	NA	N/A	9
Q3649-06MS	B4-0.0-0.5-20251114MS	0.55	35	NA	MP87981	11
Q3649-06MSD	B4-0.0-0.5-20251114MSD	0.51	35	NA	MP87981	12
Q3649-06DUP	B4-0.0-0.5-20251114DUP	0.56	35	NA	N/A	10
Q3649-08	B3-0.0-0.5-20251114	0.53	35	NA	N/A	13
Q3652-01	TP-1	0.52	35	NA	N/A	14
Q3656-01	T2-GRAVEL	0.56	35	NA	N/A	15
Q3658-01	NB-07-111725	0.56	35	NA	N/A	16

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Hit Summary Sheet
SW-846

SDG No.: Q3649 **Order ID:** Q3649

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**B4-0.0-0.5-20251114**							
Q3649-07	B4-0.0-0.5-20251114	TCLP	Barium	1070		72.8	500	ug/L
Q3649-07	B4-0.0-0.5-20251114	TCLP	Chromium	43.9	J	10.6	50.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-07	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7440-39-3	Barium	1070		1	72.8	500	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7440-47-3	Chromium	43.9	J	1	10.6	50.0	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	11/17/25 10:35	11/17/25 15:55	7470A	M7470A
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	11/17/25 12:30	11/17/25 18:50	6010D	M3010A

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB118	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	15:19	LB137920

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	15:23	LB137920
CCB05	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	15:51	LB137920
CCB06	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	16:14	LB137920

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	13:31	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	13:31	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	13:31	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	13:31	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	13:31	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	13:31	LB137929

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:01	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:01	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:01	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:01	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:01	LB137929
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	14:51	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	14:51	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	14:51	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	14:51	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	14:51	LB137929
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	15:48	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	15:48	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	15:48	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	15:48	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	15:48	LB137929
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	16:38	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	16:38	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	16:38	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	16:38	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	16:38	LB137929
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	17:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	17:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	17:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	17:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	17:28	LB137929
CCB06	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	18:19	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	18:19	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	18:19	LB137929

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	11/17/2025	18:19	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	18:19	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	18:19	LB137929
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:11	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:11	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:11	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:11	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:11	LB137929
CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	19:28	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	19:28	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	19:28	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	19:28	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	19:28	LB137929
CCB09	Arsenic	5.12	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Barium	14.6	+/-50	U	100	P	11/17/2025	20:02	LB137929
	Cadmium	0.50	+/-3	U	6.00	P	11/17/2025	20:02	LB137929
	Chromium	2.12	+/-5	U	10.0	P	11/17/2025	20:02	LB137929
	Lead	2.30	+/-6	U	12.0	P	11/17/2025	20:02	LB137929
	Selenium	9.64	+/-10	U	20.0	P	11/17/2025	20:02	LB137929
	Silver	1.62	+/-5	U	10.0	P	11/17/2025	20:02	LB137929

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/20/2025	13:21	LB137997
	Barium	14.6	+/-50	U	100	P	11/20/2025	13:21	LB137997
	Cadmium	0.50	+/-3	U	6.00	P	11/20/2025	13:21	LB137997
	Chromium	2.12	+/-5	U	10.0	P	11/20/2025	13:21	LB137997
	Lead	2.30	+/-6	U	12.0	P	11/20/2025	13:21	LB137997
	Selenium	9.64	+/-10	U	20.0	P	11/20/2025	13:21	LB137997
	Silver	1.62	+/-5	U	10.0	P	11/20/2025	13:21	LB137997

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/20/2025	14:01	LB137997
	Barium	14.6	+/-50	U	100	P	11/20/2025	14:01	LB137997
	Cadmium	0.50	+/-3	U	6.00	P	11/20/2025	14:01	LB137997
	Chromium	2.12	+/-5	U	10.0	P	11/20/2025	14:01	LB137997
	Lead	2.30	+/-6	U	12.0	P	11/20/2025	14:01	LB137997
	Selenium	9.64	+/-10	U	20.0	P	11/20/2025	14:01	LB137997
	Silver	1.62	+/-5	U	10.0	P	11/20/2025	14:01	LB137997
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/20/2025	15:46	LB137997
	Barium	14.6	+/-50	U	100	P	11/20/2025	15:46	LB137997
	Cadmium	0.50	+/-3	U	6.00	P	11/20/2025	15:46	LB137997
	Chromium	2.12	+/-5	U	10.0	P	11/20/2025	15:46	LB137997
	Lead	2.30	+/-6	U	12.0	P	11/20/2025	15:46	LB137997
	Selenium	9.64	+/-10	U	20.0	P	11/20/2025	15:46	LB137997
	Silver	1.62	+/-5	U	10.0	P	11/20/2025	15:46	LB137997

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170544TB		**WATER**		**Batch Number:**	**PB170585**		**Prep Date:**	**11/17/2025**	
	Mercury	0.76	<2	U	2.00	CV	11/17/2025	16:04	LB137920

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170585BL		**WATER**		**Batch Number:**	**PB170585**		**Prep Date:**	**11/17/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	11/17/2025	15:33	LB137920

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170544TB		**WATER**		**Batch Number:**	**PB170583**		**Prep Date:**	**11/17/2025**	
	Arsenic	25.6	<50	U	100	P	11/20/2025	14:05	LB137997
	Barium	72.8	<250	U	500	P	11/20/2025	14:05	LB137997
	Cadmium	2.50	<15	U	30.0	P	11/20/2025	14:05	LB137997
	Chromium	23.5	<25	J	50.0	P	11/20/2025	14:05	LB137997
	Lead	11.5	<30	U	60.0	P	11/20/2025	14:05	LB137997
	Selenium	48.2	<50	U	100	P	11/20/2025	14:05	LB137997
	Silver	8.10	<25	U	50.0	P	11/20/2025	14:05	LB137997

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170583BL		**WATER**		**Batch Number:**	**PB170583**		**Prep Date:**	**11/17/2025**	
	Arsenic	25.6	<50	U	100	P	11/17/2025	17:53	LB137929
	Barium	72.8	<250	U	500	P	11/17/2025	17:53	LB137929
	Cadmium	2.50	<15	U	30.0	P	11/17/2025	17:53	LB137929
	Chromium	10.6	<25	U	50.0	P	11/17/2025	17:53	LB137929
	Lead	11.5	<30	U	60.0	P	11/17/2025	17:53	LB137929
	Selenium	48.2	<50	U	100	P	11/17/2025	17:53	LB137929
	Silver	8.10	<25	U	50.0	P	11/17/2025	17:53	LB137929

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV118	Mercury	3.95	4.0	99	90 - 110	CV	11/17/2025	15:17	LB137920

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Mercury	5.02	5.0	100	90 - 110	CV	11/17/2025	15:21	LB137920
CCV05	Mercury	4.99	5.0	100	90 - 110	CV	11/17/2025	15:49	LB137920
CCV06	Mercury	4.98	5.0	100	90 - 110	CV	11/17/2025	16:11	LB137920

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3890	4000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Barium	7960	8000	99	90 - 110	P	11/17/2025	13:23	LB137929
	Cadmium	1940	2000	97	90 - 110	P	11/17/2025	13:23	LB137929
	Chromium	814	800	102	90 - 110	P	11/17/2025	13:23	LB137929
	Lead	3830	4000	96	90 - 110	P	11/17/2025	13:23	LB137929
	Selenium	3930	4000	98	90 - 110	P	11/17/2025	13:23	LB137929
	Silver	957	1000	96	90 - 110	P	11/17/2025	13:23	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	13:57	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	13:57	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	13:57	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Selenium	5010	5000	100	90 - 110	P	11/17/2025	13:57	LB137929
	Silver	1260	1250	101	90 - 110	P	11/17/2025	13:57	LB137929
CCV02	Arsenic	5120	5000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Barium	10100	10000	101	90 - 110	P	11/17/2025	14:47	LB137929
	Cadmium	2540	2500	102	90 - 110	P	11/17/2025	14:47	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Lead	5080	5000	102	90 - 110	P	11/17/2025	14:47	LB137929
	Selenium	5170	5000	103	90 - 110	P	11/17/2025	14:47	LB137929
	Silver	1280	1250	102	90 - 110	P	11/17/2025	14:47	LB137929
CCV03	Arsenic	4790	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Barium	9720	10000	97	90 - 110	P	11/17/2025	15:44	LB137929
	Cadmium	2370	2500	95	90 - 110	P	11/17/2025	15:44	LB137929
	Chromium	948	1000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Lead	4750	5000	95	90 - 110	P	11/17/2025	15:44	LB137929
	Selenium	4800	5000	96	90 - 110	P	11/17/2025	15:44	LB137929
	Silver	1190	1250	95	90 - 110	P	11/17/2025	15:44	LB137929
CCV04	Arsenic	5130	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Barium	10000	10000	100	90 - 110	P	11/17/2025	16:34	LB137929
	Cadmium	2510	2500	101	90 - 110	P	11/17/2025	16:34	LB137929
	Chromium	1020	1000	102	90 - 110	P	11/17/2025	16:34	LB137929
	Lead	5030	5000	101	90 - 110	P	11/17/2025	16:34	LB137929
	Selenium	5160	5000	103	90 - 110	P	11/17/2025	16:34	LB137929
	Silver	1280	1250	103	90 - 110	P	11/17/2025	16:34	LB137929
CCV05	Arsenic	5130	5000	102	90 - 110	P	11/17/2025	17:24	LB137929
	Barium	9840	10000	98	90 - 110	P	11/17/2025	17:24	LB137929
	Cadmium	2530	2500	101	90 - 110	P	11/17/2025	17:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	17:24	LB137929
	Lead	5020	5000	100	90 - 110	P	11/17/2025	17:24	LB137929
	Selenium	5110	5000	102	90 - 110	P	11/17/2025	17:24	LB137929

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1260	1250	101	90 - 110	P	11/17/2025	17:24	LB137929
CCV06	Arsenic	5010	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Barium	9690	10000	97	90 - 110	P	11/17/2025	18:15	LB137929
	Cadmium	2450	2500	98	90 - 110	P	11/17/2025	18:15	LB137929
	Chromium	1000	1000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Lead	4890	5000	98	90 - 110	P	11/17/2025	18:15	LB137929
	Selenium	5020	5000	100	90 - 110	P	11/17/2025	18:15	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	18:15	LB137929
CCV07	Arsenic	4980	5000	100	90 - 110	P	11/17/2025	19:07	LB137929
	Barium	9940	10000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Cadmium	2410	2500	96	90 - 110	P	11/17/2025	19:07	LB137929
	Chromium	987	1000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Lead	4790	5000	96	90 - 110	P	11/17/2025	19:07	LB137929
	Selenium	4970	5000	99	90 - 110	P	11/17/2025	19:07	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:07	LB137929
CCV08	Arsenic	5170	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Barium	10200	10000	102	90 - 110	P	11/17/2025	19:24	LB137929
	Cadmium	2510	2500	100	90 - 110	P	11/17/2025	19:24	LB137929
	Chromium	1030	1000	103	90 - 110	P	11/17/2025	19:24	LB137929
	Lead	4990	5000	100	90 - 110	P	11/17/2025	19:24	LB137929
	Selenium	5180	5000	104	90 - 110	P	11/17/2025	19:24	LB137929
	Silver	1290	1250	103	90 - 110	P	11/17/2025	19:24	LB137929
CCV09	Arsenic	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Barium	9950	10000	100	90 - 110	P	11/17/2025	19:47	LB137929
	Cadmium	2430	2500	97	90 - 110	P	11/17/2025	19:47	LB137929
	Chromium	990	1000	99	90 - 110	P	11/17/2025	19:47	LB137929
	Lead	4900	5000	98	90 - 110	P	11/17/2025	19:47	LB137929
	Selenium	5220	5000	104	90 - 110	P	11/17/2025	19:47	LB137929
	Silver	1250	1250	100	90 - 110	P	11/17/2025	19:47	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV	Arsenic	20.5	20.0	103	80 - 120	P	11/17/2025	19:57	LB137929
	Barium	102	100	102	80 - 120	P	11/17/2025	19:57	LB137929
	Cadmium	6.08	6.0	101	80 - 120	P	11/17/2025	19:57	LB137929
	Chromium	10.4	10.0	104	80 - 120	P	11/17/2025	19:57	LB137929
	Lead	14.3	12.0	119	80 - 120	P	11/17/2025	19:57	LB137929
	Selenium	19.2	20.0	96	80 - 120	P	11/17/2025	19:57	LB137929
	Silver	11.9	10.0	119	80 - 120	P	11/17/2025	19:57	LB137929

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3890	4000	97	90 - 110	P	11/20/2025	13:12	LB137997
	Barium	7800	8000	98	90 - 110	P	11/20/2025	13:12	LB137997
	Cadmium	1930	2000	96	90 - 110	P	11/20/2025	13:12	LB137997
	Chromium	807	800	101	90 - 110	P	11/20/2025	13:12	LB137997
	Lead	3840	4000	96	90 - 110	P	11/20/2025	13:12	LB137997
	Selenium	3910	4000	98	90 - 110	P	11/20/2025	13:12	LB137997
	Silver	1050	1000	105	90 - 110	P	11/20/2025	13:12	LB137997

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3649

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.1	20.0	100	80 - 120	P	11/20/2025	13:17	LB137997
	Barium	102	100	102	80 - 120	P	11/20/2025	13:17	LB137997
	Cadmium	5.90	6.0	98	80 - 120	P	11/20/2025	13:17	LB137997
	Chromium	10.0	10.0	100	80 - 120	P	11/20/2025	13:17	LB137997
	Lead	11.0	12.0	92	80 - 120	P	11/20/2025	13:17	LB137997
	Selenium	17.1	20.0	86	80 - 120	P	11/20/2025	13:17	LB137997
	Silver	10.3	10.0	103	80 - 120	P	11/20/2025	13:17	LB137997

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4730	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Barium	9580	10000	96	90 - 110	P	11/20/2025	13:56	LB137997
	Cadmium	2340	2500	94	90 - 110	P	11/20/2025	13:56	LB137997
	Chromium	954	1000	95	90 - 110	P	11/20/2025	13:56	LB137997
	Lead	4710	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Selenium	4710	5000	94	90 - 110	P	11/20/2025	13:56	LB137997
	Silver	1190	1250	95	90 - 110	P	11/20/2025	13:56	LB137997
CCV02	Arsenic	5290	5000	106	90 - 110	P	11/20/2025	15:42	LB137997
	Barium	10300	10000	103	90 - 110	P	11/20/2025	15:42	LB137997
	Cadmium	2570	2500	103	90 - 110	P	11/20/2025	15:42	LB137997
	Chromium	1080	1000	108	90 - 110	P	11/20/2025	15:42	LB137997
	Lead	5180	5000	104	90 - 110	P	11/20/2025	15:42	LB137997
	Selenium	5320	5000	106	90 - 110	P	11/20/2025	15:42	LB137997
	Silver	1340	1250	108	90 - 110	P	11/20/2025	15:42	LB137997

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- 2b -
CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	20.5	20.0	102	65 - 135	P	11/17/2025	13:35	LB137929
	Barium	104	100	104	65 - 135	P	11/17/2025	13:35	LB137929
	Cadmium	6.08	6.0	101	65 - 135	P	11/17/2025	13:35	LB137929
	Chromium	10.4	10.0	104	65 - 135	P	11/17/2025	13:35	LB137929
	Lead	12.4	12.0	103	65 - 135	P	11/17/2025	13:35	LB137929
	Selenium	22.9	20.0	115	65 - 135	P	11/17/2025	13:35	LB137929
	Silver	10.6	10.0	106	65 - 135	P	11/17/2025	13:35	LB137929
CRA	Mercury	0.16	0.2	82	70 - 130	CV	11/17/2025	15:26	LB137920
CRI01	Arsenic	20.8	20.0	104	65 - 135	P	11/20/2025	13:26	LB137997
	Barium	98.7	100	99	65 - 135	P	11/20/2025	13:26	LB137997
	Cadmium	5.95	6.0	99	65 - 135	P	11/20/2025	13:26	LB137997
	Chromium	10.1	10.0	101	65 - 135	P	11/20/2025	13:26	LB137997
	Lead	11.7	12.0	98	65 - 135	P	11/20/2025	13:26	LB137997
	Selenium	21.8	20.0	109	65 - 135	P	11/20/2025	13:26	LB137997
	Silver	11.0	10.0	110	65 - 135	P	11/20/2025	13:26	LB137997

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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	11.0			-20	20	11/17/2025	13:40	LB137929
	Barium	6.13	6.0	102	-94	106	11/17/2025	13:40	LB137929
	Cadmium	5.85	1.0	585	-5	7	11/17/2025	13:40	LB137929
	Chromium	51.1	52.0	98	42	62	11/17/2025	13:40	LB137929
	Lead	9.64			-12	12	11/17/2025	13:40	LB137929
	Selenium	8.91			-20	20	11/17/2025	13:40	LB137929
	Silver	-3.73			-10	10	11/17/2025	13:40	LB137929
ICSAB01	Arsenic	116	104	112	88.4	120	11/17/2025	13:44	LB137929
	Barium	494	537	92	437	637	11/17/2025	13:44	LB137929
	Cadmium	994	972	102	826	1120	11/17/2025	13:44	LB137929
	Chromium	565	542	104	460	624	11/17/2025	13:44	LB137929
	Lead	58.0	49.0	118	37	61	11/17/2025	13:44	LB137929
	Selenium	58.2	46.0	126	26	66	11/17/2025	13:44	LB137929
	Silver	194	201	96	170	232	11/17/2025	13:44	LB137929
ICSA01	Arsenic	9.50			-20	20	11/20/2025	13:39	LB137997
	Barium	3.36	6.0	56	-94	106	11/20/2025	13:39	LB137997
	Cadmium	-1.55	1.0	155	-5	7	11/20/2025	13:39	LB137997
	Chromium	50.8	52.0	98	42	62	11/20/2025	13:39	LB137997
	Lead	-1.75			-12	12	11/20/2025	13:39	LB137997
	Selenium	-1.81			-20	20	11/20/2025	13:39	LB137997
	Silver	-7.55			-10	10	11/20/2025	13:39	LB137997
ICSAB01	Arsenic	112	104	108	88.4	120	11/20/2025	13:44	LB137997
	Barium	469	537	87	437	637	11/20/2025	13:44	LB137997
	Cadmium	990	972	102	826	1120	11/20/2025	13:44	LB137997
	Chromium	547	542	101	460	624	11/20/2025	13:44	LB137997
	Lead	48.7	49.0	99	37	61	11/20/2025	13:44	LB137997
	Selenium	54.7	46.0	119	26	66	11/20/2025	13:44	LB137997
	Silver	186	201	92	170	232	11/20/2025	13:44	LB137997

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3649

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3649-07 **client id:** B4-0.0-0.5-20251114MS

Percent Solids for Sample: NA **Spiked ID:** Q3649-07MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3990		100	U	4000	100		P
Barium	ug/L	75 - 125	2120		1070		1000	104		P
Cadmium	ug/L	75 - 125	948		30.0	U	1000	95		P
Chromium	ug/L	75 - 125	2170		43.9	J	2000	106		P
Lead	ug/L	75 - 125	4550		60.0	U	5000	91		P
Mercury	ug/L	75 - 125	38.3		2.00	U	40.0	96		CV
Selenium	ug/L	75 - 125	9750		100	U	10000	98		P
Silver	ug/L	75 - 125	374		50.0	U	380	98		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3649

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3649-07 **client id:** B4-0.0-0.5-20251114MSD

Percent Solids for Sample: NA **Spiked ID:** Q3649-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3900		100	U	4000	98		P
Barium	ug/L	75 - 125	2230		1070		1000	115		P
Cadmium	ug/L	75 - 125	939		30.0	U	1000	94		P
Chromium	ug/L	75 - 125	2220		43.9	J	2000	109		P
Lead	ug/L	75 - 125	4500		60.0	U	5000	90		P
Mercury	ug/L	75 - 125	37.4		2.00	U	40.0	94		CV
Selenium	ug/L	75 - 125	9570		100	U	10000	96		P
Silver	ug/L	75 - 125	370		50.0	U	380	97		P

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Metals
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Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3649-07 **Client ID:** B4-0.0-0.5-20251114DUP

Percent Solids for Sample: NA **Duplicate ID** Q3649-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1070		1080		1		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	43.9	J	43.5	J	1		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3649-07MS **Client ID:** B4-0.0-0.5-20251114MSD

Percent Solids for Sample: NA **Duplicate ID** Q3649-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3990		3900		2		P
Barium	ug/L	20	2120		2230		5		P
Cadmium	ug/L	20	948		939		1		P
Chromium	ug/L	20	2170		2220		2		P
Lead	ug/L	20	4550		4500		1		P
Mercury	ug/L	20	38.3		37.4		2		CV
Selenium	ug/L	20	9750		9570		2		P
Silver	ug/L	20	374		370		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170583BS							
Arsenic	ug/L	4000	3900		98	80 - 120	P
Barium	ug/L	1000	1010		101	80 - 120	P
Cadmium	ug/L	1000	961		96	80 - 120	P
Chromium	ug/L	2000	2000		100	80 - 120	P
Lead	ug/L	5000	4680		94	80 - 120	P
Selenium	ug/L	10000	9790		98	80 - 120	P
Silver	ug/L	380	381		100	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170585BS							
Mercury	ug/L	4.0	3.76		94	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B4-0.0-0.5-20251114L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137929 **Lab Sample ID :** Q3649-07L **SDG No.:** Q3649

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1070		1050	J	2		P
Cadmium	30.0	U	150	U			P
Chromium	43.9	J	250	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3649

Instrument id number: **Method:** **Run number:** LB137920

Start date: 11/17/2025 **End date:** 11/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1441	HG
S0.2	S0.2	1	1446	HG
S2.5	S2.5	1	1449	HG
S5	S5	1	1451	HG
S7.5	S7.5	1	1453	HG
S10	S10	1	1511	HG
ICV118	ICV118	1	1517	HG
ICB118	ICB118	1	1519	HG
CCV04	CCV04	1	1521	HG
CCB04	CCB04	1	1523	HG
CRA	CRA	1	1526	HG
PB170585BL	PB170585BL	1	1533	HG
PB170585BS	PB170585BS	1	1535	HG
CCV05	CCV05	1	1549	HG
CCB05	CCB05	1	1551	HG
Q3649-07	B4-0.0-0.5-20251114	1	1555	HG
Q3649-07DUP	B4-0.0-0.5-20251114DUP	1	1558	HG
Q3649-07MS	B4-0.0-0.5-20251114MS	1	1600	HG
Q3649-07MSD	B4-0.0-0.5-20251114MSD	1	1602	HG
PB170544TB	PB170544TB	1	1604	HG
Q3649-07L	B4-0.0-0.5-20251114L	5	1607	HG
CCV06	CCV06	1	1611	HG
CCB06	CCB06	1	1614	HG

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3649

Instrument id number: **Method:** **Run number:** LB137929

Start date: 11/17/2025 **End date:** 11/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1257	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1302	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1306	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1310	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1314	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1319	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1323	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1331	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1335	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1340	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1344	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1357	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1401	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1447	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1451	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1544	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1548	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1634	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1638	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1724	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1728	Ag,As,Ba,Cd,Cr,Pb,Se
PB170583BL	PB170583BL	1	1753	Ag,As,Ba,Cd,Cr,Pb,Se
PB170583BS	PB170583BS	1	1757	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1815	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1819	Ag,As,Ba,Cd,Cr,Pb,Se
Q3649-07	B4-0.0-0.5-20251114	1	1850	Ag,As,Ba,Cd,Cr,Pb,Se
Q3649-07DUP	B4-0.0-0.5-20251114DUP	1	1854	Ag,As,Ba,Cd,Cr,Pb,Se
Q3649-07L	B4-0.0-0.5-20251114L	5	1859	Ag,As,Ba,Cd,Cr,Pb,Se
Q3649-07MS	B4-0.0-0.5-20251114MS	1	1903	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1907	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1911	Ag,As,Ba,Cd,Cr,Pb,Se
Q3649-07MSD	B4-0.0-0.5-20251114MSD	1	1916	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1924	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1928	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	1947	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV	LLCCV	1	1957	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	2002	Ag,As,Ba,Cd,Cr,Pb,Se

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3649

Instrument id number: **Method:** **Run number:** LB137997

Start date: 11/20/2025 **End date:** 11/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1247	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1251	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1255	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1300	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1304	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1308	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1312	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1317	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1326	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1339	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1344	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1356	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1401	Ag,As,Ba,Cd,Cr,Pb,Se
PB170544TB	PB170544TB	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1542	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1546	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	
Q3649-07	**B4-0.0-0.5-20251114**	**TCLP**			**11/14/25**			**11/14/25**
			TCLP ICP Metals	6010D		11/17/25	11/17/25	
			TCLP Mercury	7470A		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			Mercury	7471B		11/17/25	11/18/25	
			Metals ICP-TAL	6010D		11/17/25	11/17/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170583**						
PB170544TB	PB170544TB	MB	WATER	11/17/2025	5.0	25.0	
PB170583BL	PB170583BL	MB	WATER	11/17/2025	5.0	25.0	
PB170583BS	PB170583BS	LCS	WATER	11/17/2025	5.0	25.0	
Q3649-07	B4-0.0-0.5-20251114	SAM	WATER	11/17/2025	5.0	25.0	
Q3649-07DUP	B4-0.0-0.5-20251114DUP	DUP	WATER	11/17/2025	5.0	25.0	
Q3649-07MS	B4-0.0-0.5-20251114MS	MS	WATER	11/17/2025	5.0	25.0	
Q3649-07MSD	B4-0.0-0.5-20251114MSD	MSD	WATER	11/17/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3649

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170585**						
PB170544TB	PB170544TB	MB	WATER	11/17/2025	3.0	30.0	
PB170585BL	PB170585BL	MB	WATER	11/17/2025	30.0	30.0	
PB170585BS	PB170585BS	LCS	WATER	11/17/2025	30.0	30.0	
Q3649-07	B4-0.0-0.5-20251114	SAM	WATER	11/17/2025	3.0	30.0	
Q3649-07DUP	B4-0.0-0.5-20251114DUP	DUP	WATER	11/17/2025	3.0	30.0	
Q3649-07MS	B4-0.0-0.5-20251114MS	MS	WATER	11/17/2025	3.0	30.0	
Q3649-07MSD	B4-0.0-0.5-20251114MSD	MSD	WATER	11/17/2025	3.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137920

Review By	mohan	Review On	11/18/2025 8:39:29 AM
Supervise By	jaswal	Supervise On	11/18/2025 11:56:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP87982,MP87983,MP87984,MP87985,MP87986,MP87987
ICV Standard	MP87988
CCV Standard	MP87990
ICSA Standard	
CRI Standard	MP87992
LCS Standard	
Chk Standard	MP87989,MP87991,MP87993,MP87995

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/17/25 14:41		mohan	OK
2	S0.2	S0.2	CAL2	11/17/25 14:46		mohan	OK
3	S2.5	S2.5	CAL3	11/17/25 14:49		mohan	OK
4	S5	S5	CAL4	11/17/25 14:51		mohan	OK
5	S7.5	S7.5	CAL5	11/17/25 14:53		mohan	OK
6	S10	S10	CAL6	11/17/25 15:11		mohan	OK
7	ICV118	ICV118	ICV	11/17/25 15:17		mohan	OK
8	ICB118	ICB118	ICB	11/17/25 15:19		mohan	OK
9	CCV04	CCV04	CCV	11/17/25 15:21		mohan	OK
10	CCB04	CCB04	CCB	11/17/25 15:23		mohan	OK
11	CRA	CRA	CRDL	11/17/25 15:26		mohan	OK
12	HighStd	HighStd	HIGH STD	11/17/25 15:28		mohan	OK
13	ChkStd	ChkStd	SAM	11/17/25 15:30		mohan	OK
14	PB170585BL	PB170585BL	MB	11/17/25 15:33		mohan	OK
15	PB170585BS	PB170585BS	LCS	11/17/25 15:35		mohan	OK
16	Q3628-04	TP-5	SAM	11/17/25 15:37		mohan	OK
17	Q3638-02	MOO-25-0327	SAM	11/17/25 15:40		mohan	OK
18	Q3638-04	MOO-25-0328	SAM	11/17/25 15:42		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137920

Review By	mohan	Review On	11/18/2025 8:39:29 AM
Supervise By	jaswal	Supervise On	11/18/2025 11:56:29 AM

STD. NAME	STD REF.#
ICAL Standard	MP87982,MP87983,MP87984,MP87985,MP87986,MP87987
ICV Standard	MP87988
CCV Standard	MP87990
ICSA Standard	
CRI Standard	MP87992
LCS Standard	
Chk Standard	MP87989,MP87991,MP87993,MP87995

19	Q3640-02	LAW-25-0179-0180	SAM	11/17/25 15:44		mohan	OK
20	Q3640-03	LAW-25-0182	SAM	11/17/25 15:46		mohan	OK
21	CCV05	CCV05	CCV	11/17/25 15:49		mohan	OK
22	CCB05	CCB05	CCB	11/17/25 15:51		mohan	OK
23	Q3647-02	VNJ-212	SAM	11/17/25 15:53		mohan	OK
24	Q3649-07	B4-0.0-0.5-20251114	SAM	11/17/25 15:55		mohan	OK
25	Q3649-07DUP	B4-0.0-0.5-20251114D	DUP	11/17/25 15:58		mohan	OK
26	Q3649-07MS	B4-0.0-0.5-20251114M	MS	11/17/25 16:00		mohan	OK
27	Q3649-07MSD	B4-0.0-0.5-20251114M	MSD	11/17/25 16:02		mohan	OK
28	PB170544TB	PB170544TB	MB	11/17/25 16:04		mohan	OK
29	Q3649-07L	B4-0.0-0.5-20251114L	SD	11/17/25 16:07		mohan	OK
30	Q3649-07A	B4-0.0-0.5-20251114A	PS	11/17/25 16:09		mohan	OK
31	CCV06	CCV06	CCV	11/17/25 16:11		mohan	OK
32	CCB06	CCB06	CCB	11/17/25 16:14		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/17/25 12:57		Jaswal	OK
2	S1	S1	CAL2	11/17/25 13:02		Jaswal	OK
3	S2	S2	CAL3	11/17/25 13:06		Jaswal	OK
4	S3	S3	CAL4	11/17/25 13:10		Jaswal	OK
5	S4	S4	CAL5	11/17/25 13:14		Jaswal	OK
6	S5	S5	CAL6	11/17/25 13:19		Jaswal	OK
7	ICV01	ICV01	ICV	11/17/25 13:23		Jaswal	OK
8	ICB01	ICB01	ICB	11/17/25 13:31		Jaswal	OK
9	CRI01	CRI01	CRDL	11/17/25 13:35		Jaswal	OK
10	ICSA01	ICSA01	ICSA	11/17/25 13:40		Jaswal	OK
11	ICSAB01	ICSAB01	ICSAB	11/17/25 13:44		Jaswal	OK
12	ICSADL	ICSADL	ICSA	11/17/25 13:48		Jaswal	OK
13	ICSABDL	ICSABDL	ICSAB	11/17/25 13:52		Jaswal	OK
14	CCV01	CCV01	CCV	11/17/25 13:57		Jaswal	OK
15	CCB01	CCB01	CCB	11/17/25 14:01		Jaswal	OK
16	PB170459BL	PB170459BL	MB	11/17/25 14:05		Jaswal	OK
17	PB170459BS	PB170459BS	LCS	11/17/25 14:10		Jaswal	OK
18	PB170471BL	PB170471BL	MB	11/17/25 14:14		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170471BS	PB170471BS	LCS	11/17/25 14:18		Jaswal	OK
20	PB170557BL	PB170557BL	MB	11/17/25 14:22		Jaswal	OK
21	PB170557BS	PB170557BS	LCS	11/17/25 14:26		Jaswal	OK
22	PB170558BL	PB170558BL	MB	11/17/25 14:30		Jaswal	OK
23	PB170558BS	PB170558BS	LCS	11/17/25 14:35		Jaswal	OK
24	Q3628-01	TP-5	SAM	11/17/25 14:39		Jaswal	OK
25	Q3631-01	VNJ-202	SAM	11/17/25 14:43		Jaswal	OK
26	CCV02	CCV02	CCV	11/17/25 14:47		Jaswal	OK
27	CCB02	CCB02	CCB	11/17/25 14:51		Jaswal	OK
28	LR-1	LR-1	HIGH STD	11/17/25 14:55		Jaswal	OK
29	LR-2	LR-2	HIGH STD	11/17/25 15:00		Jaswal	OK
30	Q3631-03	VNJ-208	SAM	11/17/25 15:11		Jaswal	OK
31	LR-3	LR-3	HIGH STD	11/17/25 15:15		Jaswal	OK
32	Q3633-01	ETGI-369	SAM	11/17/25 15:19		Jaswal	OK
33	Q3633-03	ETGI-342	SAM	11/17/25 15:24		Jaswal	OK
34	Q3633-05	ETGI-368	SAM	11/17/25 15:28		Jaswal	OK
35	Q3633-05DUP	ETGI-368DUP	DUP	11/17/25 15:32		Jaswal	OK
36	Q3633-05L	ETGI-368L	SD	11/17/25 15:36		Jaswal	OK
37	Q3633-05MS	ETGI-368MS	MS	11/17/25 15:40		Jaswal	OK
38	CCV03	CCV03	CCV	11/17/25 15:44		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCB03	CCB03	CCB	11/17/25 15:48		Jaswal	OK
40	Q3633-05MSD	ETGI-368MSD	MSD	11/17/25 15:52		Jaswal	OK
41	Q3633-05A	ETGI-368A	PS	11/17/25 15:56	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
42	Q3641-01	TR-05-111325	SAM	11/17/25 16:00		Jaswal	OK
43	Q3630-01	DSN002	SAM	11/17/25 16:04		Jaswal	OK
44	Q3630-01DUP	DSN002DUP	DUP	11/17/25 16:09		Jaswal	OK
45	Q3630-01L	DSN002L	SD	11/17/25 16:13		Jaswal	OK
46	Q3630-01MS	DSN002MS	MS	11/17/25 16:17		Jaswal	OK
47	Q3630-01MSD	DSN002MSD	MSD	11/17/25 16:22		Jaswal	OK
48	Q3630-01A	DSN002A	PS	11/17/25 16:26	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
49	Q3630-05	DSN003	SAM	11/17/25 16:30		Jaswal	OK
50	CCV04	CCV04	CCV	11/17/25 16:34		Jaswal	OK
51	CCB04	CCB04	CCB	11/17/25 16:38		Jaswal	OK
52	PB170579BL	PB170579BL	MB	11/17/25 16:43		Jaswal	OK
53	PB170579BS	PB170579BS	LCS	11/17/25 16:47		Jaswal	OK
54	Q3645-01	HD-02-11142025	SAM	11/17/25 16:51		Jaswal	OK
55	Q3646-01	SU-03-11142025	SAM	11/17/25 16:55		Jaswal	OK
56	Q3647-01	VNJ-212	SAM	11/17/25 16:59		Jaswal	OK
57	Q3648-01	OR-02-111425	SAM	11/17/25 17:04		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3649-01	B5-0.0-0.5-20251114	SAM	11/17/25 17:08		Jaswal	OK
59	Q3649-03	DUPE-0.0-0.5-202511	SAM	11/17/25 17:12		Jaswal	OK
60	Q3649-06	B4-0.0-0.5-20251114	SAM	11/17/25 17:16		Jaswal	OK
61	Q3649-06DUP	B4-0.0-0.5-20251114D	DUP	11/17/25 17:20		Jaswal	OK
62	CCV05	CCV05	CCV	11/17/25 17:24		Jaswal	OK
63	CCB05	CCB05	CCB	11/17/25 17:28		Jaswal	OK
64	Q3649-06L	B4-0.0-0.5-20251114L	SD	11/17/25 17:33		Jaswal	OK
65	Q3649-06MS	B4-0.0-0.5-20251114M	MS	11/17/25 17:37		Jaswal	OK
66	Q3649-06MSD	B4-0.0-0.5-20251114M	MSD	11/17/25 17:41		Jaswal	OK
67	Q3649-06A	B4-0.0-0.5-20251114A	PS	11/17/25 17:45	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
68	Q3649-08	B3-0.0-0.5-20251114	SAM	11/17/25 17:49		Jaswal	OK
69	PB170583BL	PB170583BL	MB	11/17/25 17:53		Jaswal	OK
70	PB170583BS	PB170583BS	LCS	11/17/25 17:57		Jaswal	OK
71	Q3486-11	TP6	SAM	11/17/25 18:06		Jaswal	OK
72	Q3588-07	TR-06-11072025	SAM	11/17/25 18:10		Jaswal	OK
73	CCV06	CCV06	CCV	11/17/25 18:15		Jaswal	OK
74	CCB06	CCB06	CCB	11/17/25 18:19		Jaswal	OK
75	Q3628-04	TP-5	SAM	11/17/25 18:23		Jaswal	OK
76	Q3638-02	MOO-25-0327	SAM	11/17/25 18:28		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137929

Review By	jaswal	Review On	11/18/2025 12:01:44 PM
Supervise By	mohan	Supervise On	11/18/2025 5:19:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

77	Q3638-04	MOO-25-0328	SAM	11/17/25 18:32		Jaswal	OK
78	Q3640-02	LAW-25-0179-0180	SAM	11/17/25 18:37		Jaswal	OK
79	Q3640-03	LAW-25-0182	SAM	11/17/25 18:41		Jaswal	OK
80	Q3647-02	VNJ-212	SAM	11/17/25 18:45		Jaswal	OK
81	Q3649-07	B4-0.0-0.5-20251114	SAM	11/17/25 18:50		Jaswal	OK
82	Q3649-07DUP	B4-0.0-0.5-20251114D	DUP	11/17/25 18:54		Jaswal	OK
83	Q3649-07L	B4-0.0-0.5-20251114L	SD	11/17/25 18:59		Jaswal	OK
84	Q3649-07MS	B4-0.0-0.5-20251114M	MS	11/17/25 19:03		Jaswal	OK
85	CCV07	CCV07	CCV	11/17/25 19:07		Jaswal	OK
86	CCB07	CCB07	CCB	11/17/25 19:11		Jaswal	OK
87	Q3649-07MSD	B4-0.0-0.5-20251114M	MSD	11/17/25 19:16		Jaswal	OK
88	Q3649-07A	B4-0.0-0.5-20251114A	PS	11/17/25 19:20	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
89	CCV08	CCV08	CCV	11/17/25 19:24		Jaswal	OK
90	CCB08	CCB08	CCB	11/17/25 19:28		Jaswal	OK
91	CCV09	CCV09	CCV	11/17/25 19:47		Jaswal	OK
92	LLCCV	LLCCV	LLCCV	11/17/25 19:57		Jaswal	OK
93	CCB09	CCB09	CCB	11/17/25 20:02		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137997

Review By	jaswal	Review On	11/25/2025 10:46:06 AM
Supervise By	mohan	Supervise On	11/25/2025 10:49:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/20/25 12:47		Jaswal	OK
2	S1	S1	CAL2	11/20/25 12:51		Jaswal	OK
3	S2	S2	CAL3	11/20/25 12:55		Jaswal	OK
4	S3	S3	CAL4	11/20/25 13:00		Jaswal	OK
5	S4	S4	CAL5	11/20/25 13:04		Jaswal	OK
6	S5	S5	CAL6	11/20/25 13:08		Jaswal	OK
7	ICV01	ICV01	ICV	11/20/25 13:12		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/20/25 13:17		Jaswal	OK
9	ICB01	ICB01	ICB	11/20/25 13:21		Jaswal	OK
10	CRI01	CRI01	CRDL	11/20/25 13:26		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/20/25 13:39		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/20/25 13:44		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/20/25 13:48		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/20/25 13:52		Jaswal	OK
15	CCV01	CCV01	CCV	11/20/25 13:56		Jaswal	OK
16	CCB01	CCB01	CCB	11/20/25 14:01		Jaswal	OK
17	PB170544TB	PB170544TB	MB	11/20/25 14:05		Jaswal	OK
18	PB170657BL	PB170657BL	MB	11/20/25 14:10		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137997

Review By	jaswal	Review On	11/25/2025 10:46:06 AM
Supervise By	mohan	Supervise On	11/25/2025 10:49:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170657BS	PB170657BS	LCS	11/20/25 14:14		Jaswal	OK
20	Q3671-01	Zeltmann Power Plant	SAM	11/20/25 15:07	Fe high, Ag Oversaturated.	Jaswal	Dilution
21	Q3671-01DL	Zeltmann Power Plant	SAM	11/20/25 15:11	5X for Fe and Ag	Jaswal	Confirms
22	Q3677-01	COMP-1	SAM	11/20/25 15:15	Not Use	Jaswal	Not Ok
23	Q3671-01DL2	Zeltmann Power Plant	SAM	11/20/25 15:20	Not Use	Jaswal	Not Ok
24	Q3671-01DL3	Zeltmann Power Plant	SAM	11/20/25 15:26	Not Use	Jaswal	Not Ok
25	CCV02	CCV02	CCV	11/20/25 15:42		Jaswal	OK
26	CCB02	CCB02	CCB	11/20/25 15:46		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170583

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 11/17/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 11/17/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SPS

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6209
LFS-2	0.25	M6201
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6187
1:1 HCL	5.00	MP87148
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25 16:32	Stagnetdio	metals lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170544TB	PB170544TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB170583BL	PBW583	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB170583BS	LCS583	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	3
Q3486-11	TP6	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3588-07	TR-06-11072025	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3628-04	TP-5	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q3638-02	MOO-25-0327	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q3638-04	MOO-25-0328	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q3640-02	LAW-25-0179-0180	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3640-03	LAW-25-0182	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3647-02	VNJ-212	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3649-07	B4-0.0-0.5-20251114	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3649-07MS	B4-0.0-0.5-20251114MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	14
Q3649-07MSD	B4-0.0-0.5-20251114MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	15
Q3649-07DUP	B4-0.0-0.5-20251114DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170585

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 11/17/2025 **Time :** 10:35 **Temp :** 94 °C

End Digest Date: 11/17/2025 **Time :** 12:35 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87988
CCV	30mL	MP87990
CRA	30mL	MP87992
Blank Spike	0.48mL	MP87981
Matrix Spike	0.48mL	MP87981

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP87633
KMnO4 (5%)	4.5mL	MP87634
K2S2O8 (5%)	2.4mL	MP87635
Hydroxylamine HCL (12%)	1.8mL	MP87636
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP87982
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87983
2.5 ppb	S2.5	30mL	MP87984
5.0 ppb	S5.0	30mL	MP87985
7.5 ppb	S7.5	30mL	MP87986
10.0 ppb	S10.0	30mL	MP87987
ICV	ICV	30mL	MP87988
ICB	ICB	30mL	MP87989
CCV	CCV	30mL	MP87990
CCB	CCB	30mL	MP87991
CRI	CRI	30mL	MP87992
CHK STD	CHK STD	30mL	MP87993

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25 @ 13:15	HG - DIG. Lab	HG - DIGTEK Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170585

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB170544TB	PB170544TB	3	30	<2	N/A	3-1
PB170585BL	PBW585	30	30	<2	N/A	2
PB170585BS	LCS585	30	30	<2	MP87981	3
Q3628-04	TP-5	3	30	<2	N/A	4
Q3638-02	MOO-25-0327	3	30	<2	N/A	5
Q3638-04	MOO-25-0328	3	30	<2	N/A	6
Q3640-02	LAW-25-0179-0180	3	30	<2	N/A	7
Q3640-03	LAW-25-0182	3	30	<2	N/A	8
Q3647-02	VNJ-212	3	30	<2	N/A	9
Q3649-07	B4-0.0-0.5-20251114	3	30	<2	N/A	10
Q3649-07DUP	B4-0.0-0.5-20251114DUP	3	30	<2	N/A	11
Q3649-07MS	B4-0.0-0.5-20251114MS	3	30	<2	MP87981	12
Q3649-07MSD	B4-0.0-0.5-20251114MSD	3	30	<2	MP87981	13

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170544

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 40819719

Start Prep Date : 11/14/2025 **Time :** 16:00

End Prep Date : 11/15/2025 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A 10

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature :

Supervisor By :

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114526
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q3649-07 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11-17-25 10:00	[illegible] Lunroom	[illegible]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170544

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170544TB	LEB544	10	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-1
Q3486-11	TP6	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3588-07	TR-06-11072025	02	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3628-04	TP-5	03	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q3638-02	MOO-25-0327	04	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3638-04	MOO-25-0328	05	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3640-02	LAW-25-0179-0180	06	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3640-03	LAW-25-0182	07	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q3647-02	VNJ-212	08	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q3649-07	B4-0.0-0.5-20251114	09	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB170544

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170544TB	LEB544	N/A	N/A	N/A	N/A	N/A	N/A
Q3486-11	TP6	N/A	N/A	N/A	N/A	100	N/A
Q3588-07	TR-06-11072025	N/A	N/A	N/A	N/A	100	N/A
Q3628-04	TP-5	N/A	N/A	N/A	N/A	100	N/A
Q3638-02	MOO-25-0327	N/A	N/A	N/A	N/A	100	N/A
Q3638-04	MOO-25-0328	N/A	N/A	N/A	N/A	100	N/A
Q3640-02	LAW-25-0179-0180	N/A	N/A	N/A	N/A	100	N/A
Q3640-03	LAW-25-0182	N/A	N/A	N/A	N/A	100	N/A
Q3647-02	VNJ-212	N/A	N/A	N/A	N/A	100	N/A
Q3649-07	B4-0.0-0.5-20251114	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170544

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170544TB	LEB544	N/A	N/A	N/A	N/A	#1	4.95
Q3486-11	TP6	5.03	96.5	5.5	1.5	#1	4.95
Q3588-07	TR-06-11072025	5.03	96.5	7.6	2.5	#1	4.95
Q3628-04	TP-5	5.02	96.5	8.0	3.0	#1	4.95
Q3638-02	MOO-25-0327	5.02	96.5	7.6	2.5	#1	4.95
Q3638-04	MOO-25-0328	5.03	96.5	6.8	2.5	#1	4.95
Q3640-02	LAW-25-0179-0180	5.03	96.5	6.4	2.0	#1	4.95
Q3640-03	LAW-25-0182	5.04	96.5	6.6	2.0	#1	4.95
Q3647-02	VNJ-212	5.02	96.5	11.5	4.5	#1	4.95
Q3649-07	B4-0.0-0.5-20251114	5.02	96.5	7.6	3.0	#1	4.95

SAMPLE DATA

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25 10:30
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
		% Solid:	90.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.045	U	1	0.045	0.27	mg/Kg	11/18/25 08:30	11/18/25 12:10	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25 12:30
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
		% Solid:	86.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.32		1	0.047	0.28	mg/Kg	11/18/25 08:30	11/18/25 12:17	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25 12:25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
		% Solid:	91.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.045	U	1	0.045	0.27	mg/Kg	11/18/25 08:30	11/18/25 12:17	9012B
Hexavalent Chromium	0.17	J	1	0.075	0.43	mg/Kg	11/17/25 09:15	11/17/25 15:14	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/18/25 10:30	9095B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25 12:25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-07	Matrix:	SOIL
		% Solid:	91.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.67	H	1	0	0	pH		11/14/25 16:45	9045D
Ignitability	NO		1	0	0	oC		11/18/25 09:47	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	11/17/25 16:00	11/18/25 10:16	9012B
Reactive Sulfide	1.58	J	1	0.20	10.0	mg/Kg	11/17/25 09:20	11/17/25 13:39	9034

Comments: pH result reported at temperature 23.2 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25 14:00
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
		% Solid:	86

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.047	U	1	0.047	0.28	mg/Kg	11/18/25 08:30	11/18/25 12:25	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **RunNo.:** LB137909

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.00	7	100	90-110	11/14/2025
Sample ID:	**CCV1**						
Corrosivity		pH	2.01	2.00	101	90-110	11/14/2025
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	11/14/2025

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Initial and Continuing Calibration Verification

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**RunNo.:**	LB137917

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	11/17/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	11/17/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	11/17/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	11/17/2025

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Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**RunNo.:**	LB137940

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.097	0.099	98	85-115	11/18/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/18/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/18/2025

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

Initial and Continuing Calibration Verification

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**RunNo.:**	LB137941

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.097	0.099	98	90-110	11/18/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/18/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/18/2025
Sample ID:	**CCV3**						
Cyanide		mg/L	0.26	0.25	104	90-110	11/18/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **RunNo.:** LB137917

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/17/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/17/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/17/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/17/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction **RunNo.:** LB137940

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025

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Initial and Continuing Calibration Blank Summary

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**RunNo.:**	LB137941

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/18/2025

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Preparation Blank Summary

Client: HDR, Inc. **SDG No.:** Q3649

Project: PVWC Linear Construction

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB170547BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	11/17/2025
Sample ID: PB170570BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	11/17/2025
Sample ID: PB170588BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	11/18/2025
Sample ID: PB170589BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	11/18/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3645-01
Client ID: HD-02-11142025MS
Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1310		0.073	U	1370	40	96		11/17/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3645-01
Client ID: HD-02-11142025MS
Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	39.3		0.073	U	42.7	2	92		11/17/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3645-01
Client ID: HD-02-11142025MS
Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	33.9		0.073	U	42.7	2	79		11/17/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3649-06
Client ID: B4-0.0-0.5-20251114MS
Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.045	U	2.1	1	95		11/18/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3649-06
Client ID: B4-0.0-0.5-20251114MSD
Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.045	U	2.2	1	91		11/18/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3609-03
Client ID: AU-713-COMP-01DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	4.72	J	4.72	J	1	0		11/17/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3635-01
Client ID: 40635DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		11/18/2025

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Duplicate Sample Summary

Client: HDR, Inc.
Project: PVWC Linear Construction
Client ID: HD-02-11142025DUP

SDG No.: Q3649
Sample ID: Q3645-01
Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.073	U	0.074	U	1	0		11/17/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3649-06
Client ID: B4-0.0-0.5-20251114DUP
Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/18/2025
Cyanide	mg/Kg	+/-20	0.045	U	0.045	U	1	0		11/18/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3649-06
Client ID: B4-0.0-0.5-20251114MSD
Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.00		2.00		1	0		11/18/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3649
Project: PVWC Linear Construction
Sample ID: Q3649-07
Client ID: B4-0.0-0.5-20251114DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	7.67		7.68		1	0.13		11/14/2025
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0083	U	1	0		11/18/2025

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Laboratory Control Sample Summary

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**Run No.:**	LB137917

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170570BS								
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	11/17/2025

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Laboratory Control Sample Summary

Client:	HDR, Inc.	**SDG No.:**	Q3649
Project:	PVWC Linear Construction	**Run No.:**	LB137941

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170589BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	11/18/2025

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137909

Review By	JIGNESH	Review On	11/19/2025 8:15:25 AM
Supervise By	Iwona	Supervise On	11/19/2025 9:30:12 AM
SubDirectory	LB137909	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/14/25 15:35		Jignesh	OK
2	CAL2	CAL2	CAL	11/14/25 15:36		Jignesh	OK
3	CAL3	CAL3	CAL	11/14/25 15:37		Jignesh	OK
4	ICV	ICV	ICV	11/14/25 15:40		Jignesh	OK
5	CCV1	CCV1	CCV	11/14/25 15:44		Jignesh	OK
6	Q3628-04	TP-5	SAM	11/14/25 15:50		Jignesh	OK
7	Q3638-02	MOO-25-0327	SAM	11/14/25 15:55		Jignesh	OK
8	Q3638-04	MOO-25-0328	SAM	11/14/25 16:00		Jignesh	OK
9	Q3640-02	LAW-25-0179-0180	SAM	11/14/25 16:10		Jignesh	OK
10	Q3640-03	LAW-25-0182	SAM	11/14/25 16:20		Jignesh	OK
11	Q3647-02	VNJ-212	SAM	11/14/25 16:37		Jignesh	OK
12	Q3649-07	B4-0.0-0.5-20251114	SAM	11/14/25 16:45		Jignesh	OK
13	Q3649-07DUP	B4-0.0-0.5-20251114D	DUP	11/14/25 16:47		Jignesh	OK
14	CCV2	CCV2	CCV	11/14/25 16:50		Jignesh	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137917

Review By	rubina	Review On	11/17/2025 4:24:51 PM
Supervise By	Iwona	Supervise On	11/18/2025 10:40:58 AM
SubDirectory	LB137917	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115688,WP115340,WP115339,WP114310

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/17/25 15:00		rubina	OK
2	CAL2	CAL2	CAL	11/17/25 15:00		rubina	OK
3	CAL3	CAL3	CAL	11/17/25 15:01		rubina	OK
4	CAL4	CAL4	CAL	11/17/25 15:01		rubina	OK
5	CAL5	CAL5	CAL	11/17/25 15:02		rubina	OK
6	CAL6	CAL6	CAL	11/17/25 15:02		rubina	OK
7	CAL7	CAL7	CAL	11/17/25 15:03		rubina	OK
8	ICV	ICV	ICV	11/17/25 15:03		rubina	OK
9	ICB	ICB	ICB	11/17/25 15:04		rubina	OK
10	CCV1	CCV1	CCV	11/17/25 15:04		rubina	OK
11	CCB1	CCB1	CCB	11/17/25 15:05		rubina	OK
12	RL Check	RL Check	RL	11/17/25 15:05		rubina	OK
13	PB170570BL	PB170570BL	MB	11/17/25 15:06		rubina	OK
14	PB170570BS	PB170570BS	LCS	11/17/25 15:06		rubina	OK
15	Q3631-01	VNJ-202	SAM	11/17/25 15:07		rubina	OK
16	Q3631-03	VNJ-208	SAM	11/17/25 15:07		rubina	OK
17	Q3633-01	ETGI-369	SAM	11/17/25 15:08		rubina	OK
18	Q3633-03	ETGI-342	SAM	11/17/25 15:08		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137917

Review By	rubina	Review On	11/17/2025 4:24:51 PM
Supervise By	Iwona	Supervise On	11/18/2025 10:40:58 AM
SubDirectory	LB137917	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115688,WP115340,WP115339,WP114310

19	Q3633-05	ETGI-368	SAM	11/17/25 15:09		rubina	OK
20	Q3641-01	TR-05-111325	SAM	11/17/25 15:09		rubina	OK
21	Q3645-01	HD-02-11142025	SAM	11/17/25 15:10		rubina	OK
22	Q3645-01DUP	HD-02-11142025DUP	DUP	11/17/25 15:10		rubina	OK
23	CCV2	CCV2	CCV	11/17/25 15:11		rubina	OK
24	CCB2	CCB2	CCB	11/17/25 15:11		rubina	OK
25	Q3645-01MSPre	HD-02-11142025MS	MS	11/17/25 15:12		rubina	OK
26	Q3645-01MS2Ins	HD-02-11142025MS	MS	11/17/25 15:12		rubina	OK
27	Q3645-01MS3Post	HD-02-11142025MS	MS	11/17/25 15:12		rubina	OK
28	Q3646-01	SU-03-11142025	SAM	11/17/25 15:13		rubina	OK
29	Q3647-01	VNJ-212	SAM	11/17/25 15:13		rubina	OK
30	Q3648-01	OR-02-111425	SAM	11/17/25 15:14		rubina	OK
31	Q3649-06	B4-0.0-0.5-20251114	SAM	11/17/25 15:14		rubina	OK
32	CCV3	CCV3	CCV	11/17/25 15:15		rubina	OK
33	CCB3	CCB3	CCB	11/17/25 15:15		rubina	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137919

Review By	Iwona	Review On	11/17/2025 1:43:31 PM
Supervise By	JIGNESH	Supervise On	11/17/2025 1:45:13 PM
SubDirectory	LB137919	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3248,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB170547BL	PB170547BL	MB	11/17/25 13:00		Iwona	OK
2	Q3609-03	AU-713-COMP-01	SAM	11/17/25 13:03		Iwona	OK
3	Q3609-03DUP	AU-713-COMP-01DU	DUP	11/17/25 13:06		Iwona	OK
4	Q3609-06	AU-713-COMP-02	SAM	11/17/25 13:09		Iwona	OK
5	Q3609-09	AU-713-COMP-03	SAM	11/17/25 13:12		Iwona	OK
6	Q3609-12	AU-713-COMP-04	SAM	11/17/25 13:15		Iwona	OK
7	Q3609-15	AU-713-COMP-05	SAM	11/17/25 13:18		Iwona	OK
8	Q3628-04	TP-5	SAM	11/17/25 13:21		Iwona	OK
9	Q3638-02	MOO-25-0327	SAM	11/17/25 13:24		Iwona	OK
10	Q3638-04	MOO-25-0328	SAM	11/17/25 13:27		Iwona	OK
11	Q3640-02	LAW-25-0179-0180	SAM	11/17/25 13:30		Iwona	OK
12	Q3640-03	LAW-25-0182	SAM	11/17/25 13:33		Iwona	OK
13	Q3647-02	VNJ-212	SAM	11/17/25 13:36		Iwona	OK
14	Q3649-07	B4-0.0-0.5-20251114	SAM	11/17/25 13:39		Iwona	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB137934

Review By	Eman	Review On	11/18/2025 5:20:02 PM
Supervise By	Iwona	Supervise On	11/18/2025 1:12:51 PM
SubDirectory	LB137934	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3635-01	40635	SAM	11/18/25 08:40		Eman	OK
2	Q3635-01DUP	40635DUP	DUP	11/18/25 08:47		Eman	OK
3	Q3636-01	AUD-25-0114	SAM	11/18/25 08:54		Eman	OK
4	Q3638-02	MOO-25-0327	SAM	11/18/25 09:02		Eman	OK
5	Q3638-04	MOO-25-0328	SAM	11/18/25 09:10		Eman	OK
6	Q3640-02	LAW-25-0179-0180	SAM	11/18/25 09:17		Eman	OK
7	Q3640-03	LAW-25-0182	SAM	11/18/25 09:25		Eman	OK
8	Q3647-01	VNJ-212	SAM	11/18/25 09:32		Eman	OK
9	Q3647-02	VNJ-212	SAM	11/18/25 09:40		Eman	OK
10	Q3649-07	B4-0.0-0.5-20251114	SAM	11/18/25 09:47		Eman	OK
11	Q3652-01	TP-1	SAM	11/18/25 09:55		Eman	OK
12	Q3652-04	TP-1	SAM	11/18/25 10:02		Eman	OK
13	Q3659-01	TANK-1-COMP-1	SAM	11/18/25 10:10		Eman	OK
14	Q3659-02	TANK-1-COMP-2	SAM	11/18/25 10:17		Eman	OK

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137935

Review By	Eman	Review On	11/18/2025 4:17:55 PM
Supervise By	Iwona	Supervise On	11/18/2025 4:18:15 PM
SubDirectory	LB137935	Test	Paint Filter

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3649-06	B4-0.0-0.5-20251114	SAM	11/18/25 10:30		Eman	OK
2	Q3649-06DUP	B4-0.0-0.5-20251114D	DUP	11/18/25 10:37		Eman	OK
3	Q3652-01	TP-1	SAM	11/18/25 10:44		Eman	OK
4	Q3656-01	T2-GRAVEL	SAM	11/18/25 10:52		Eman	OK
5	Q3658-01	NB-07-111725	SAM	11/18/25 11:00		Eman	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137940

Review By	rubina	Review On	11/18/2025 1:16:53 PM
Supervise By	Iwona	Supervise On	11/18/2025 1:19:12 PM
SubDirectory	LB137940	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115713,WP115714,WP115715,WP115716,WP115717,WP115718,WP115719
ICV Standard	WP115720
CCV Standard	WP115714
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115721

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/18/25 09:17		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/18/25 09:17		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/18/25 09:17		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/18/25 09:17		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/18/25 09:17		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/18/25 09:17		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/18/25 09:17		rubina	OK
8	ICV1	ICV1	ICV	11/18/25 10:09		rubina	OK
9	ICB1	ICB1	ICB	11/18/25 10:09		rubina	OK
10	CCV1	CCV1	CCV	11/18/25 10:09		rubina	OK
11	CCB1	CCB1	CCB	11/18/25 10:09		rubina	OK
12	PB170588BL	PB170588BL	MB	11/18/25 10:09		rubina	OK
13	Q3649-07	B4-0.0-0.5-20251114	SAM	11/18/25 10:16		rubina	OK
14	Q3649-07DUP	B4-0.0-0.5-20251114D	DUP	11/18/25 10:16		rubina	OK
15	Q3652-04	TP-1	SAM	11/18/25 10:16		rubina	OK
16	Q3659-01	TANK-1-COMP-1	SAM	11/18/25 10:16		rubina	OK
17	Q3659-02	TANK-1-COMP-2	SAM	11/18/25 10:16		rubina	OK
18	PB170591BL	PB170591BL	MB	11/18/25 10:16		rubina	OK

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137940

Review By	rubina	Review On	11/18/2025 1:16:53 PM
Supervise By	lwona	Supervise On	11/18/2025 1:19:12 PM
SubDirectory	LB137940	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115713,WP115714,WP115715,WP115716,WP115717,WP115718,WP115719
ICV Standard	WP115720
CCV Standard	WP115714
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115721

19	Q3660-01	FRAC-TANK-M21012	SAM	11/18/25 10:16		rubina	OK
20	Q3660-01DUP	FRAC-TANK-M21012	DUP	11/18/25 10:23		rubina	OK
21	CCV2	CCV2	CCV	11/18/25 10:23		rubina	OK
22	CCB2	CCB2	CCB	11/18/25 10:23		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137941

Review By	rubina	Review On	11/19/2025 3:19:48 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:48:48 PM
SubDirectory	LB137941	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115713,WP115714,WP115715,WP115716,WP115717,WP115718,WP115719
ICV Standard	W3012
CCV Standard	WP115714
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115721

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/18/25 09:17		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/18/25 09:17		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/18/25 09:17		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/18/25 09:17		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/18/25 09:17		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/18/25 09:17		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/18/25 09:17		rubina	OK
8	ICV1	ICV1	ICV	11/18/25 12:02		rubina	OK
9	ICB1	ICB1	ICB	11/18/25 12:02		rubina	OK
10	CCV1	CCV1	CCV	11/18/25 12:02		rubina	OK
11	CCB1	CCB1	CCB	11/18/25 12:02		rubina	OK
12	PB170589BL	PB170589BL	MB	11/18/25 12:02		rubina	OK
13	PB170589BS	PB170589BS	LCS	11/18/25 12:10		rubina	OK
14	LOWPB170589	LOWPB170589	SAM	11/18/25 12:10		rubina	OK
15	HIGHPB170589	HIGHPB170589	SAM	11/18/25 12:10		rubina	OK
16	Q3645-01	HD-02-11142025	SAM	11/18/25 12:10		rubina	OK
17	Q3646-01	SU-03-11142025	SAM	11/18/25 12:10		rubina	OK
18	Q3648-01	OR-02-111425	SAM	11/18/25 12:10		rubina	OK

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Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137941

Review By	rubina	Review On	11/19/2025 3:19:48 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:48:48 PM
SubDirectory	LB137941	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115713,WP115714,WP115715,WP115716,WP115717,WP115718,WP115719
ICV Standard	W3012
CCV Standard	WP115714
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115721

19	Q3649-01	B5-0.0-0.5-20251114	SAM	11/18/25 12:10		rubina	OK
20	Q3649-03	DUPE-0.0-0.5-202511	SAM	11/18/25 12:17		rubina	OK
21	Q3649-06	B4-0.0-0.5-20251114	SAM	11/18/25 12:17		rubina	OK
22	CCV2	CCV2	CCV	11/18/25 12:17		rubina	OK
23	CCB2	CCB2	CCB	11/18/25 12:17		rubina	OK
24	Q3649-06DUP	B4-0.0-0.5-20251114D	DUP	11/18/25 12:25		rubina	OK
25	Q3649-06MS	B4-0.0-0.5-20251114M	MS	11/18/25 12:25		rubina	OK
26	Q3649-06MSD	B4-0.0-0.5-20251114M	MSD	11/18/25 12:25		rubina	OK
27	Q3649-08	B3-0.0-0.5-20251114	SAM	11/18/25 12:25		rubina	OK
28	Q3656-01	T2-GRAVEL	SAM	11/18/25 12:25		rubina	OK
29	Q3658-01	NB-07-111725	SAM	11/18/25 12:25		rubina	OK
30	CCV3	CCV3	CCV	11/18/25 12:29		rubina	OK
31	CCB3	CCB3	CCB	11/18/25 12:30		rubina	OK

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

LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25 10:30**			**11/14/25**
			Cyanide	9012B		11/18/25	11/18/25 12:10	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25 12:30**			**11/14/25**
			Cyanide	9012B		11/18/25	11/18/25 12:17	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25 12:25**			**11/14/25**
			Cyanide	9012B		11/18/25	11/18/25 12:17	
			Hexavalent Chromium	7196A		11/17/25	11/17/25 15:14	
			Paint Filter	9095B			11/18/25 10:30	
Q3649-07	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25 12:25**			**11/14/25**
			Corrosivity	9045D			11/14/25 16:45	
			Ignitability	1030			11/18/25 09:47	
			Reactive Cyanide	9012B		11/17/25	11/18/25 10:16	
			Reactive Sulfide	9034		11/17/25	11/17/25 13:39	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25 14:00**			**11/14/25**

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LAB CHRONICLE

Cyanide	9012B	11/18/25	11/18/25 12:25

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB170547

12

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : IZ

Start Digest Date: 11/17/2025 **Time :** 09:20 **Temp :** N/A

End Digest Date: 11/17/2025 **Time :** 10:50 **Temp :** N/A

Daad Bolch 11/17/2025 11:10 12

11/17/2025 12:40

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: 12

Supervisor Signature:

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

11/17/25 12

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB170547

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170547BL	PBS547	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-03DUP	AU-713-COMP-01DUP	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-03	AU-713-COMP-01	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-06	AU-713-COMP-02	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-09	AU-713-COMP-03	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-12	AU-713-COMP-04	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3609-15	AU-713-COMP-05	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3628-04	TP-5	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3638-02	MOO-25-0327	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3638-04	MOO-25-0328	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3640-02	LAW-25-0179-0180	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3640-03	LAW-25-0182	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3647-02	VNJ-212	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-07	B4-0.0-0.5-20251114	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170570

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 11/17/2025 **Time :** 09:15 **Temp :** 90 °C

End Digest Date: 11/17/2025 **Time :** 10:15 **Temp :** 95 °C

IT batch 11/17/2025 -10:50 90 C RM
11/17/2025 11:50 95 C RM

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	5.0ML	WP115410
HEX. DIGESTION SOLN.	50.0ML	WP115338
5M HNO3	5-7ML	WP115339
5N H2SO4	1-3ML	WP115340
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP115692
CAL3	CAL3	0.5ML	WP115692
CAL4	CAL4	1ML	WP115692
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

11/17/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170570

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170570BL	PBS570	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB170570BS	LCS570	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3631-01	VNJ-202	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3631-03	VNJ-208	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3633-01	ETGI-369	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3633-03	ETGI-342	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3633-05	ETGI-368	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3641-01	TR-05-111325	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01	HD-02-11142025	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01DUP	HD-02-11142025DUP	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01MSPre	HD-02-11142025MSPRE	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01MS2Ins	HD-02-11142025MS2INS	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01MS3Post	HD-02-11142025MS3POST	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3646-01	SU-03-11142025	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3647-01	VNJ-212	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3648-01	OR-02-111425	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-06	B4-0.0-0.5-20251114	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170588 12

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/17/2025 **Time :** 16:00 **Temp :** N/A

Matrix : SOIL

End Digest Date: 11/17/2025 **Time :** 17:30 **Temp :** N/A

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/2025 17:45	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170588

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170588BL	PBS588	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-07DUP	B4-0.0-0.5-20251114DUP	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-07	B4-0.0-0.5-20251114	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-04	TP-1	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-01	TANK-1-COMP-1	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-02	TANK-1-COMP-2	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170589

12

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/18/2025 **Time :** 08:30 **Temp :** 123 °C

Matrix : SOIL

End Digest Date: 11/18/2025 **Time :** 10:00 **Temp :** 126 °C

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** JP

Weigh By : JP **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP115334
51% w/v MgCL2	2.0ML	WP115335
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113837
LOWSTD	LOWSTD	0.1ML	WP113837

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/2025 10:15	JP / WC	RH (4°C)
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170589

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170589BL	PBS589	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB170589BS	LCS589	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3645-01	HD-02-11142025	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3646-01	SU-03-11142025	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3648-01	OR-02-111425	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-01	B5-0.0-0.5-20251114	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-03	DUPE-0.0-0.5-20251114	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-06	B4-0.0-0.5-20251114	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-06DUP	B4-0.0-0.5-20251114DUP	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-06MS	B4-0.0-0.5-20251114MS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-06MSD	B4-0.0-0.5-20251114MSD	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3649-08	B3-0.0-0.5-20251114	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3656-01	T2-GRAVEL	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3658-01	NB-07-111725	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3649
QUOTE NO.
COC Number 2044565

13
13.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: HDR
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wudden
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWC
PROJECT NO.: 10367568 LOCATION: Clifton, NJ
PROJECT MANAGER: Andrew Wudden
e-mail: Andrew.Wudden@HDRInc.com
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wudden PHONE: 201-312-0752

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard TAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1. TCL VOCs
2. TCLP VOCs
3. Perchlorate (4606)
4. TAL Metals
5. Cr6 (Hexavalent Chromium)
6. Total Solids (%)
7. Reactive Cyanide and Reactive Sulfide
8. pH, Ignitability, Corrosivity
9. Paint Filter

PRESERVATIVES

E = 1, F = 2, E = 3, E = 4, F = 5, F = 6, F = 7, F = 8, E = 9

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	B5-0.0-0.5-2025 1114	S		X	11/14/25	1030	3		X	X	X					
2.	B5-0.5-1.0-2025 1114			X		1355	4	X								
3.	Dup-0.0-0.5-2025 1114			X		1230	3		X	X	X					
4.	Dup-0.5-1.0-2025 1114			X		1220	4	X								
5.	B4-0.0-1.0-2025 1114			X		1215	4	X								
6.	B4-0.0-0.5-2025 1114			X		1225	6		X	X	X	X	X	X	X	X
7.	B3-0.0-0.5-2025 1114			X		1400	3		X	X	X					
8.	B3-0.5-1.0-2025 1114			X		1355	4	X								
9.				X												
10.				X												

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY SAMPLER: 1.	11/14/25 1420	1.	11-14-25 1420
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 11-14-25 1500	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: _____

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other _____
Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3649 HDRI08
Client Name : HDR, Inc.
Client Contact : Andrew Wadden
Invoice Name : HDR, Inc.
Invoice Contact : Andrew Wadden

Order Date : 11/14/2025 3:02:13 PM
Project Name : PVWC Linear Construction
Receive DateTime : 11/14/2025 3:00:00 PM
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
Q3649-02	B5-0.5-1.0-20251114	Solid	11/14/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-04	DUPE-0.5-1.0-20251114	Solid	11/14/2025	12:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-05	B4-0.05-1.0-20251114	Solid	11/14/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-09	B3-0.5-1.0-20251114	Solid	11/14/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Terminated

stored in VOA Frz #02 & ref #06 (i)

Relinguished By :
Date / Time : 11-14-25 1550

Received By :
Date / Time : 11-14-25 15:50

Storage Area : VOA Refridgerator Room