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

DATA PACKAGE

GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
VOLATILE ORGANICS

PROJECT NAME : EDGEW001 – VETERANS FIELD EDGEWATER, NJ

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2320

ATTENTION : Ken Cwieka

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : First Environment, Inc.

Project Location : Edgewater, NJ Project Number :

Laboratory Sample ID(s) : Q2320 Sampling Date(s) : 06/13/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,1311 ZHE,6010D,7470A,8082A,8260D,9012B,9034,9045D,**

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 : Q2320

Project ID : EDGEW001 – Veterans Field Edgewater, NJ

Client : First Environment, Inc.

Lab Sample Number	Client Sample Number
Q2320-01	WC

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

Signature : _____ Date: 6/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

First Environment, Inc.
Project Name: EDGEW001 – Veterans Field Edgewater, NJ
Project # N/A
Order ID # Q2320
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/13/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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Signature_____

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CASE NARRATIVE

First Environment, Inc.
Project Name: EDGEW001 – Veterans Field Edgewater, NJ
Project # N/A
Order ID # Q2320
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/13/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA and TCLP ZHE Extraction. This data package contains results for PCB.

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

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

The Continuous Calibration File ID PP072958.D met the requirements except for Decachlorobiphenyl is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

The Continuous Calibration File ID PP072973.D met the requirements except for Aroclor-1260(Peak-01),Aroclor-1260(Peak-02) is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken.

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The Continuous Calibration File ID PP072984.D met the requirements except for Decachlorobiphenyl is failing in 2nd column, however it is passed in 1st column therefore no corrective action was taken.

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

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

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

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CASE NARRATIVE

First Environment, Inc.
Project Name: EDGEW001 – Veterans Field Edgewater, NJ
Project # N/A
Order ID # Q2320
Test Name: TCLP ICP Metals,TCLP Mercury

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/13/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP ICP Metals,TCLP Mercury.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all parameters.
The Duplicate analysis met criteria for all parameters.

The Matrix Spike (TP-8MS) analysis met criteria for all parameters except for Barium due to matrix interference.

The Matrix Spike Duplicate (TP-8MSD) analysis met criteria for all parameters except for Barium due to matrix interference.

The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

First Environment, Inc.
Project Name: EDGEW001 – Veterans Field Edgewater, NJ
Project # N/A
Order ID # Q2320
Test Name: Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/13/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA and TCLP ZHE Extraction. This data package contains results for Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

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

E. Additional Comments:

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

Signature_____

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 #: Q2320

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

QA Review Signature: SOHIL JODHANI **Date:** 06/27/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2320

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

SAMPLE DATA

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

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	WC	SDG No.:	Q2320
Lab Sample ID:	Q2320-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087061.D	1		06/17/25 15:47	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.23			
540-36-3	1,4-Difluorobenzene	390000	9.106			
3114-55-4	Chlorobenzene-d5	350000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.788			

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2320-01	WC	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	52.2	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0617WBL01	VN0617WBL01	1,2-Dichloroethane-d4	50	55.2	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	53.3	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)
VN0617WBS01	VN0617WBS01	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VN0617WBSD0	VN0617WBSD01	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0617WBS01	Vinyl chloride	20	21.5	ug/L	108			70 (65)	130 (117)	
	1,1-Dichloroethene	20	21.7	ug/L	109			70 (74)	130 (110)	
	2-Butanone	100	88.2	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.9	ug/L	104			70 (77)	130 (113)	
	Chloroform	20	20.1	ug/L	101			70 (79)	130 (113)	
	Benzene	20	20.9	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.0	ug/L	105			70 (80)	130 (115)	
	Trichloroethene	20	21.4	ug/L	107			70 (77)	130 (113)	
	Tetrachloroethene	20	20.5	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	21.3	ug/L	106			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087052.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0617WBSD01	Vinyl chloride	20	19.5	ug/L	98	10		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	20.7	ug/L	104	5		70 (74)	130 (110)	20 (20)
	2-Butanone	100	83.8	ug/L	84	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	20.0	ug/L	100	4		70 (77)	130 (113)	20 (15)
	Chloroform	20	19.3	ug/L	97	4		70 (79)	130 (113)	20 (20)
	Benzene	20	20.4	ug/L	102	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.1	ug/L	101	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.2	ug/L	106	1		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	21.2	ug/L	106	3		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	21.4	ug/L	107	1		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0617WBL01

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN087047.D Lab Sample ID: VN0617WBL01

Date Analyzed: 06/17/2025 Time Analyzed: 10:20

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025
VN0617WBSD01	VN0617WBSD01	VN087052.D	06/17/2025
WC	Q2320-01	VN087061.D	06/17/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN087044.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70.3 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (7.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087045.D	06/17/2025	09:25
VN0617WBL01	VN0617WBL01	VN087047.D	06/17/2025	10:20
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025	11:59
VN0617WBSD01	VN0617WBSD01	VN087052.D	06/17/2025	12:35
WC	Q2320-01	VN087061.D	06/17/2025	15:47

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN087045.D Date Analyzed: 06/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:25

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	178887	8.23	312096	9.11	278021	11.87
UPPER LIMIT	357774	8.73	624192	9.606	556042	12.365
LOWER LIMIT	89443.5	7.73	156048	8.606	139011	11.365
EPA SAMPLE NO.						
WC	195874	8.23	390146	9.11	350367	11.87
VN0617WBL01	200915	8.23	403651	9.11	368689	11.87
VN0617WBS01	157438	8.23	281588	9.11	248700	11.87
VN0617WBSD01	171983	8.23	303445	9.11	262555	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN087045.D Date Analyzed: 06/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:25

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

	IS4 AREA #	RT #				
12 HOUR STD	137590	13.788				
UPPER LIMIT	275180	14.288				
LOWER LIMIT	68795	13.288				
EPA SAMPLE NO.						
WC	166331	13.79				
VN0617WBL01	170553	13.79				
VN0617WBS01	122529	13.79				
VN0617WBSD01	129789	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBL01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.3		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.229			
540-36-3	1,4-Difluorobenzene	404000	9.106			
3114-55-4	Chlorobenzene-d5	369000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBS01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.7		0.23	1.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-43-2	Benzene	20.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.23			
540-36-3	1,4-Difluorobenzene	282000	9.106			
3114-55-4	Chlorobenzene-d5	249000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBSD01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087052.D	1		06/17/25 12:35	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.23	1.00	ug/L
78-93-3	2-Butanone	83.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	1.00	ug/L
71-43-2	Benzene	20.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.2		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.4		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.23			
540-36-3	1,4-Difluorobenzene	303000	9.106			
3114-55-4	Chlorobenzene-d5	263000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG No.: Q2320

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

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG No.: Q2320

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.787		18.52	20
1,1-Dichloroethene	0.557	0.639		14.72	20
2-Butanone	0.577	0.533		-7.63	20
Carbon Tetrachloride	0.433	0.499		15.24	20
Chloroform	1.118	1.212		8.41	20
Benzene	1.444	1.635		13.23	20
1,2-Dichloroethane	0.438	0.487		11.19	20
Trichloroethene	0.342	0.394		15.2	20
Tetrachloroethene	0.316	0.349		10.44	20
Chlorobenzene	1.103	1.212	0.3	9.88	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.308		4.05	20
Toluene-d8	1.173	1.147		-2.22	20
4-Bromofluorobenzene	0.436	0.427		-2.06	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087061.D
Acq On : 17 Jun 2025 15:47
Operator : JC\MD
Sample : Q2320-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC

Quant Time: Jun 18 01:49:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

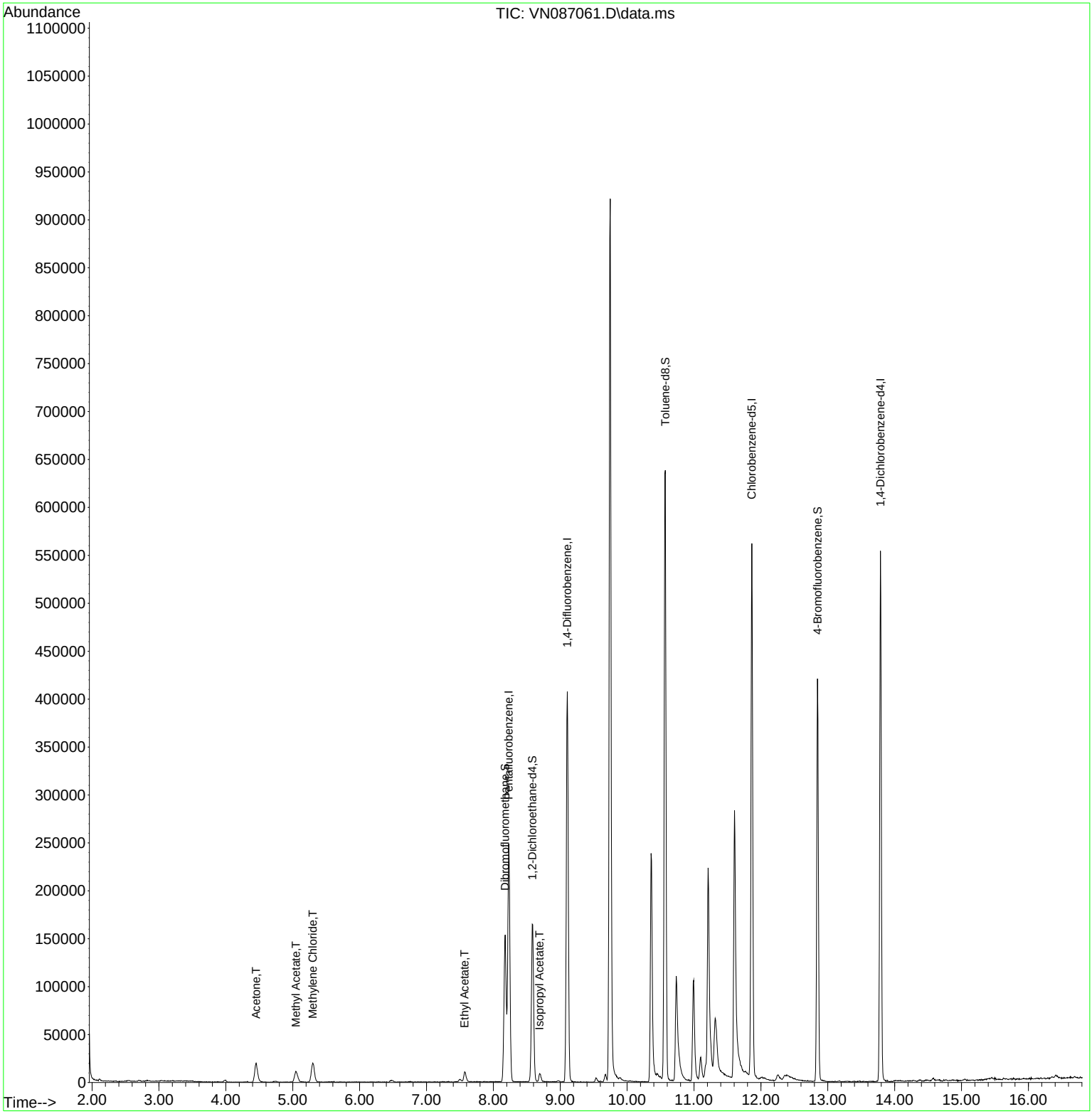
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	195874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	390146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135617	51.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.420%			
35) Dibromofluoromethane	8.177	113	116277	50.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.571	98	477810	52.203	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.847	95	167714	49.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.640%			
Target Compounds						Qvalue
16) Acetone	4.453	43	37986	27.313	ug/l	92
18) Methyl Acetate	5.047	43	25284	6.239	ug/l	99
20) Methylene Chloride	5.300	84	18024	6.922	ug/l	93
37) Ethyl Acetate	7.571	43	16391	3.737	ug/l	98
43) Isopropyl Acetate	8.688	43	10650	1.513	ug/l	94

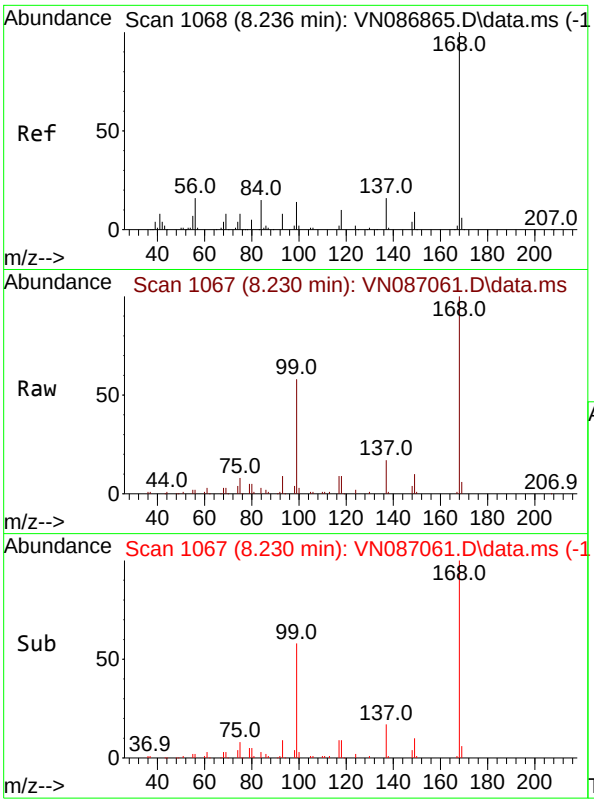
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087061.D
Acq On : 17 Jun 2025 15:47
Operator : JC\MD
Sample : Q2320-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC

Quant Time: Jun 18 01:49:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



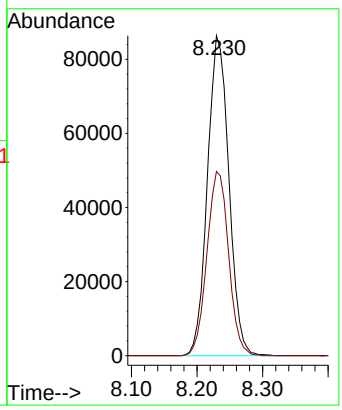


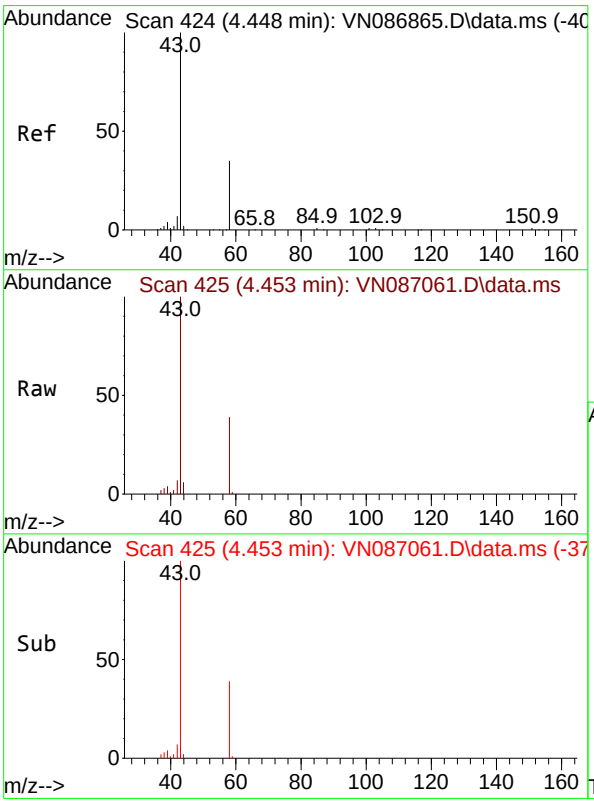
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion:168 Resp: 195874

Ion	Ratio	Lower	Upper
168	100		
99	57.6	49.1	73.7

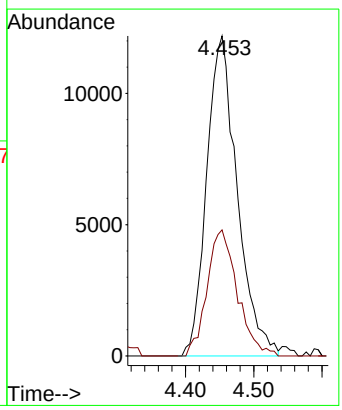


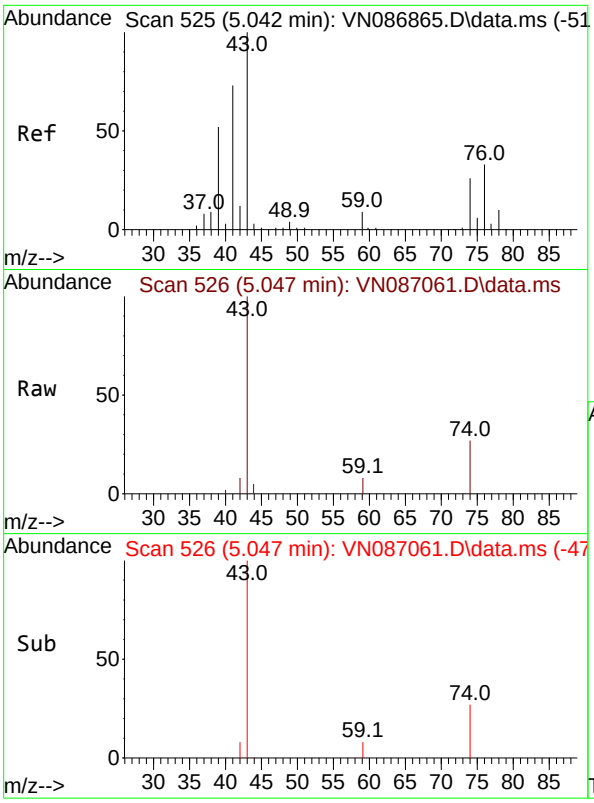


#16
Acetone
Concen: 27.313 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 43 Resp: 37986

Ion	Ratio	Lower	Upper
43	100		
58	39.4	28.0	42.0



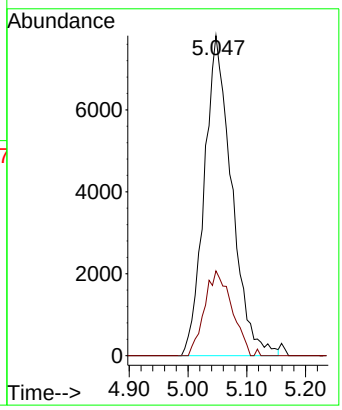


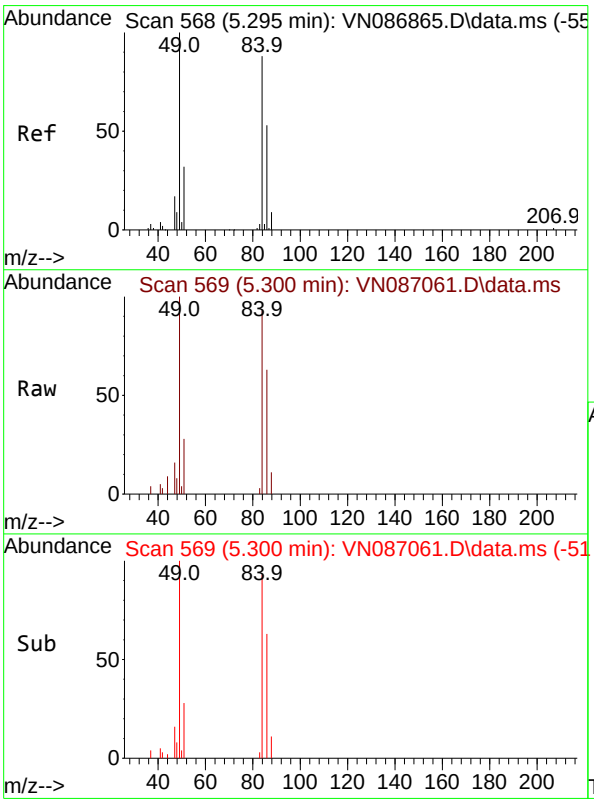
#18
Methyl Acetate
Concen: 6.239 ug/l
RT: 5.047 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion: 43 Resp: 25284

Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.7	31.1

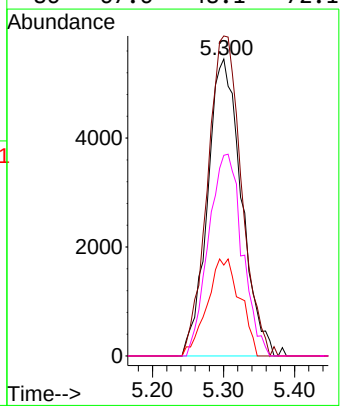


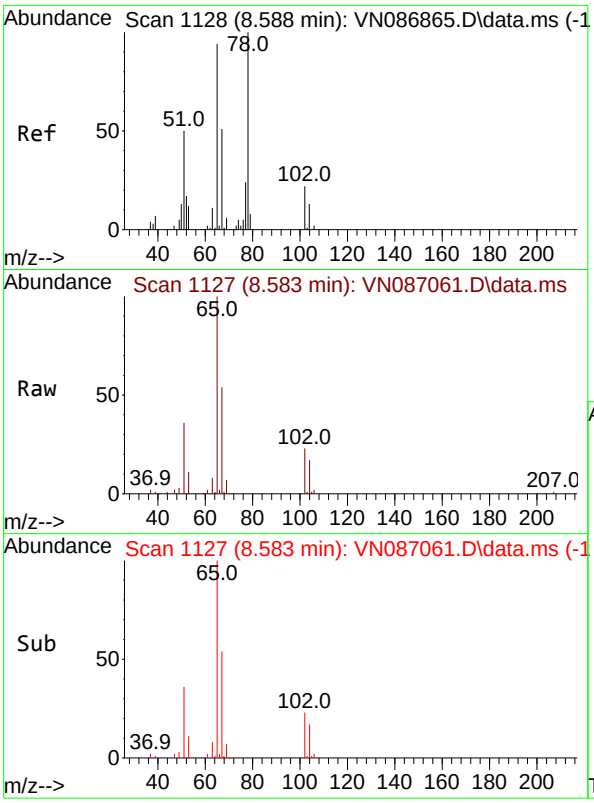


#20
Methylene Chloride
Concen: 6.922 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 84 Resp: 18024

Ion	Ratio	Lower	Upper
84	100		
49	107.8	90.5	135.7
51	30.6	28.5	42.7
86	67.6	48.1	72.1



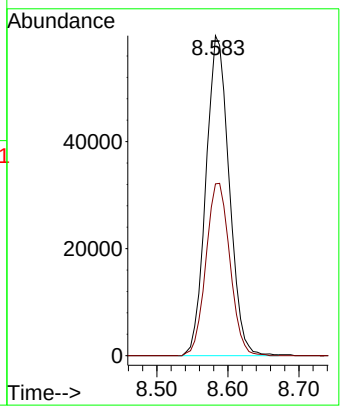


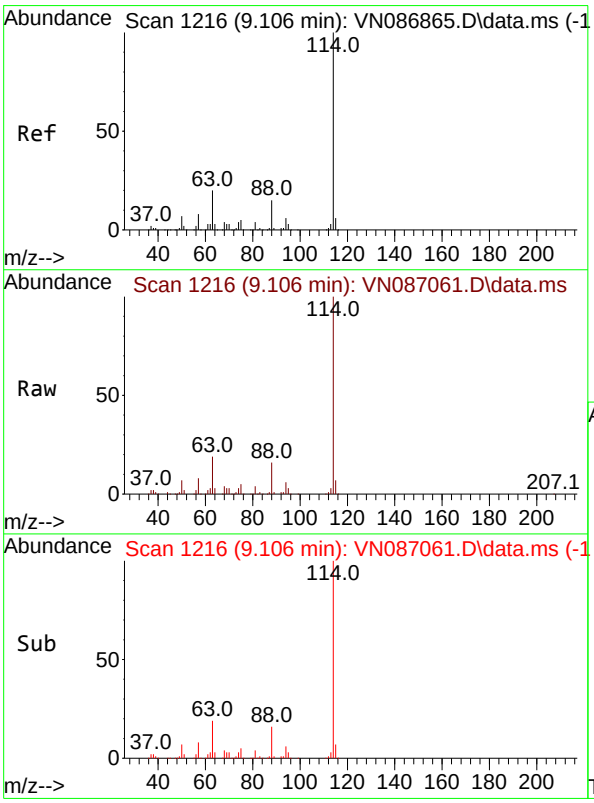
#33
1,2-Dichloroethane-d4
Concen: 51.712 ug/l
RT: 8.583 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion: 65 Resp: 135617

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	105.6

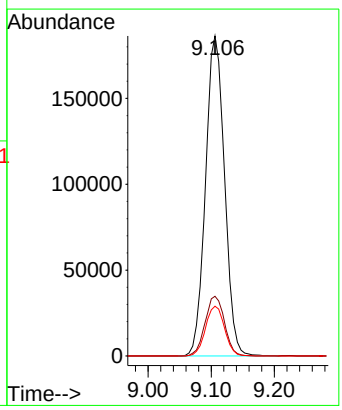


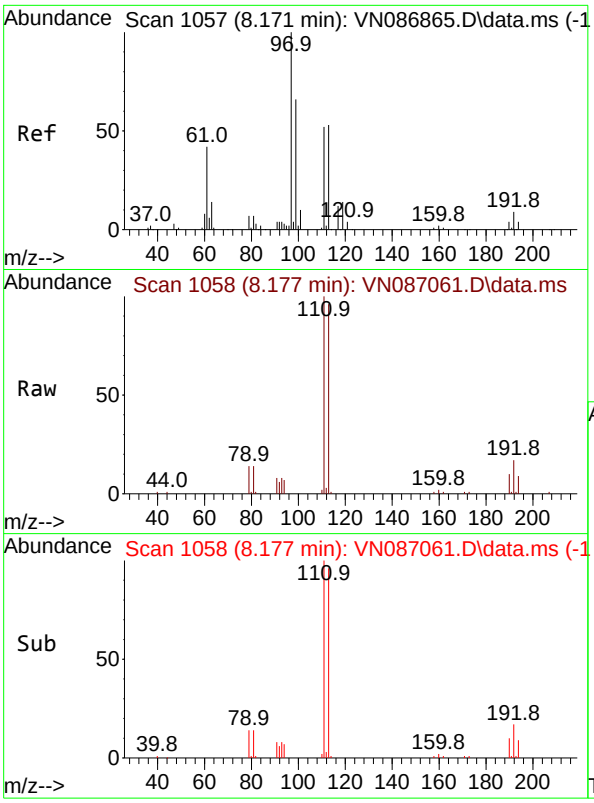


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion:114 Resp: 390146

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	15.6	0.0	30.2



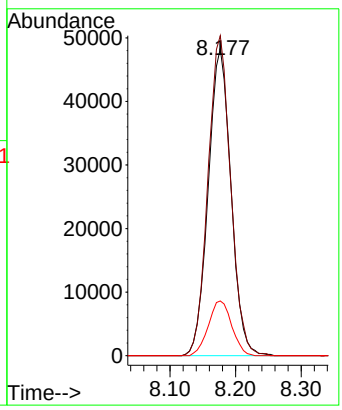


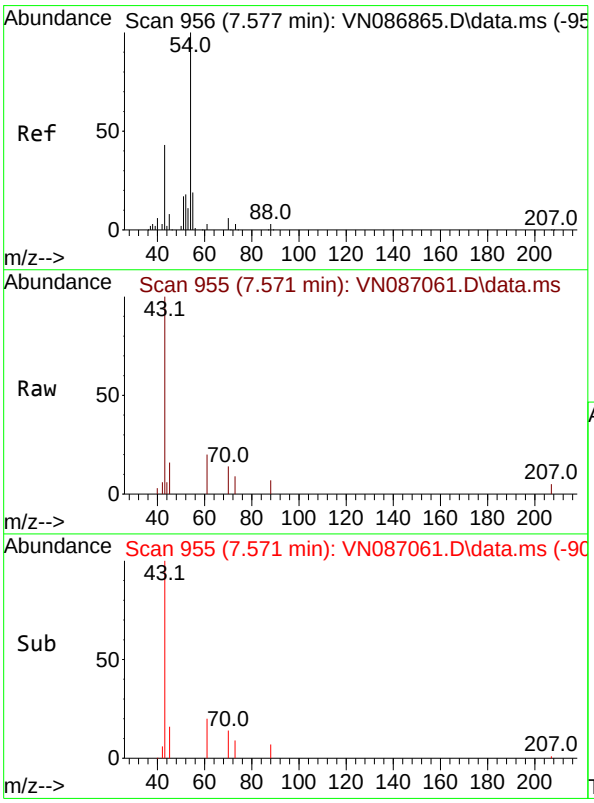
#35
Dibromofluoromethane
Concen: 50.291 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion:113 Resp: 116277

Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.2	126.2
192	18.3	14.2	21.4

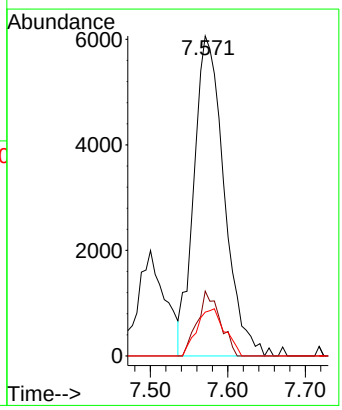


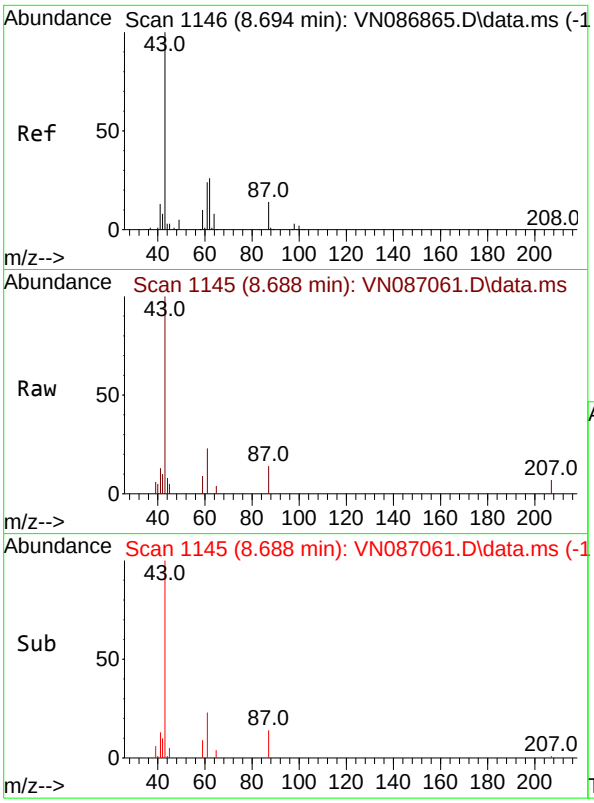


#37
Ethyl Acetate
Concen: 3.737 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 43 Resp: 16391

Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	13.6	9.8	14.6



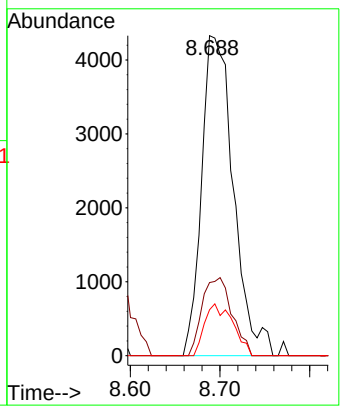


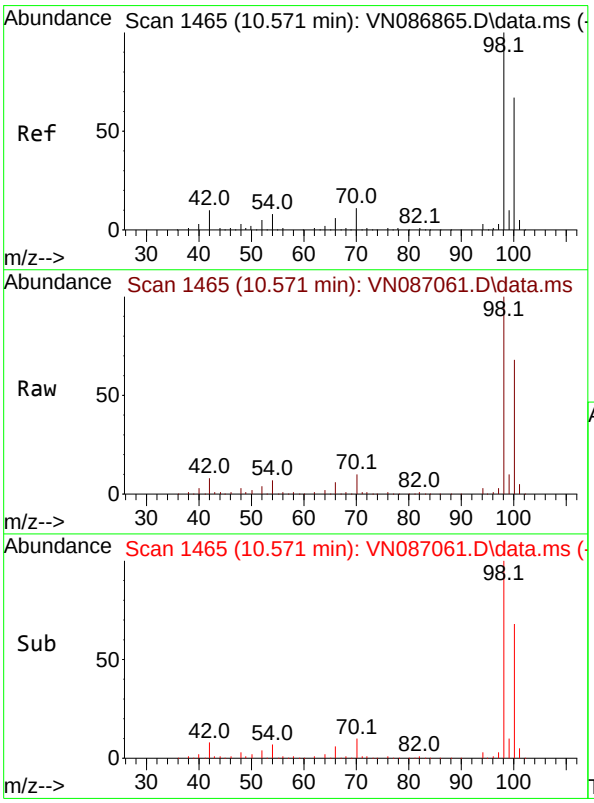
#43
Isopropyl Acetate
Concen: 1.513 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion: 43 Resp: 10650

Ion	Ratio	Lower	Upper
43	100		
61	22.9	22.1	33.1
87	14.4	11.8	17.6

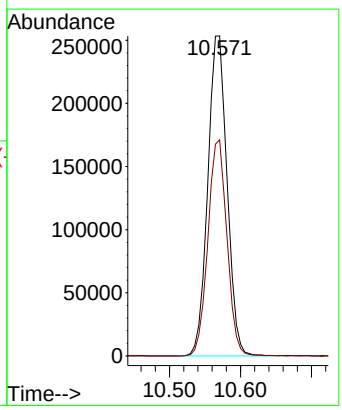


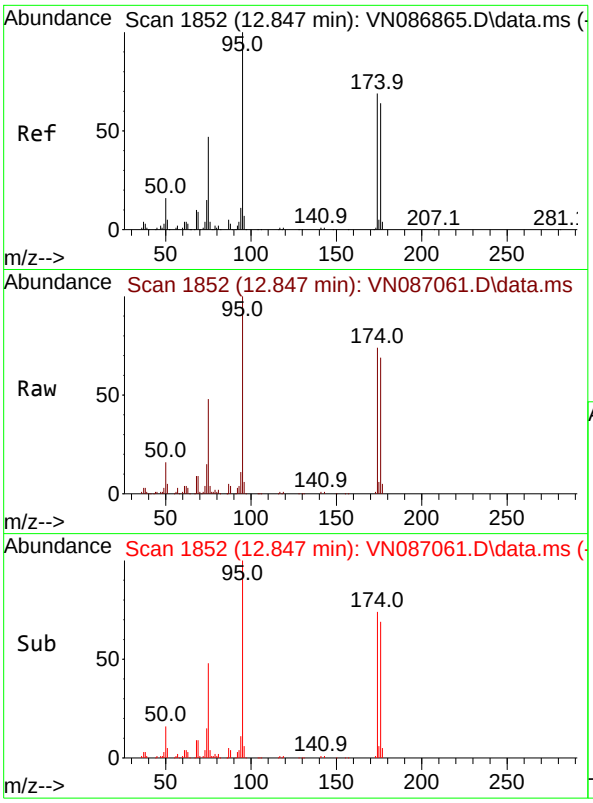


#50
Toluene-d8
Concen: 52.203 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 98 Resp: 477810

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0



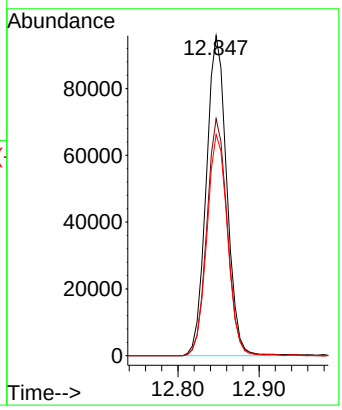


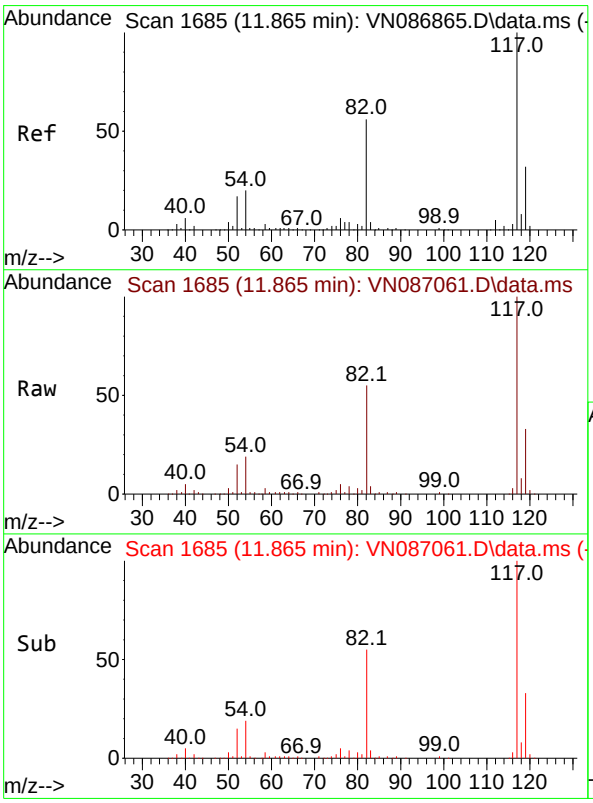
#62
4-Bromofluorobenzene
Concen: 49.319 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion: 95 Resp: 167714

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	141.8
176	69.5	0.0	132.6

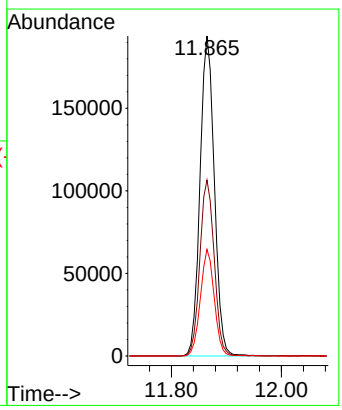


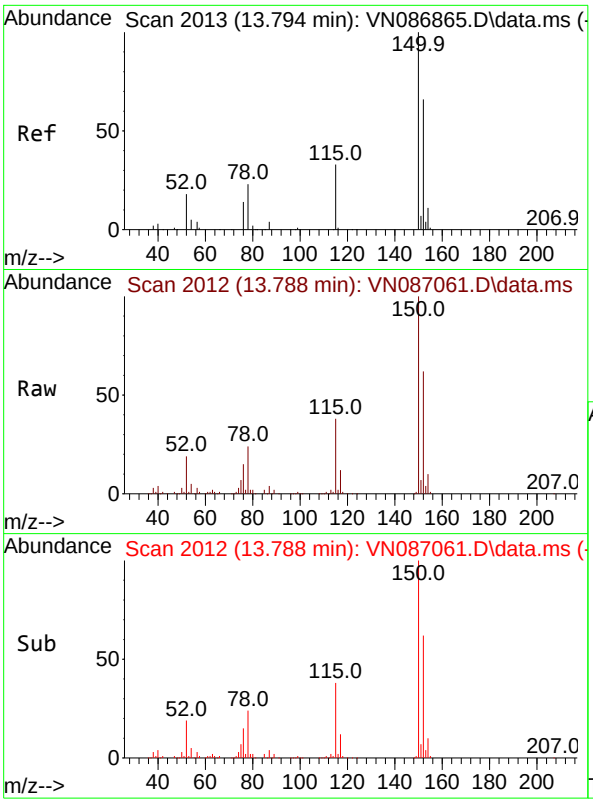


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion:117 Resp: 350367

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	33.3	25.5	38.3



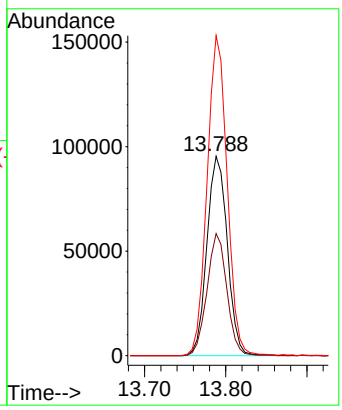


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
WC

Tgt Ion:152 Resp: 166331

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.5
150	157.5	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087047.D
Acq On : 17 Jun 2025 10:20
Operator : JC\MD
Sample : VN0617WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Quant Time: Jun 18 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	200915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	403651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148580	55.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.460%			
35) Dibromofluoromethane	8.177	113	126383	52.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	504769	53.303	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.600%			
62) 4-Bromofluorobenzene	12.847	95	176121	50.058	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.120%			

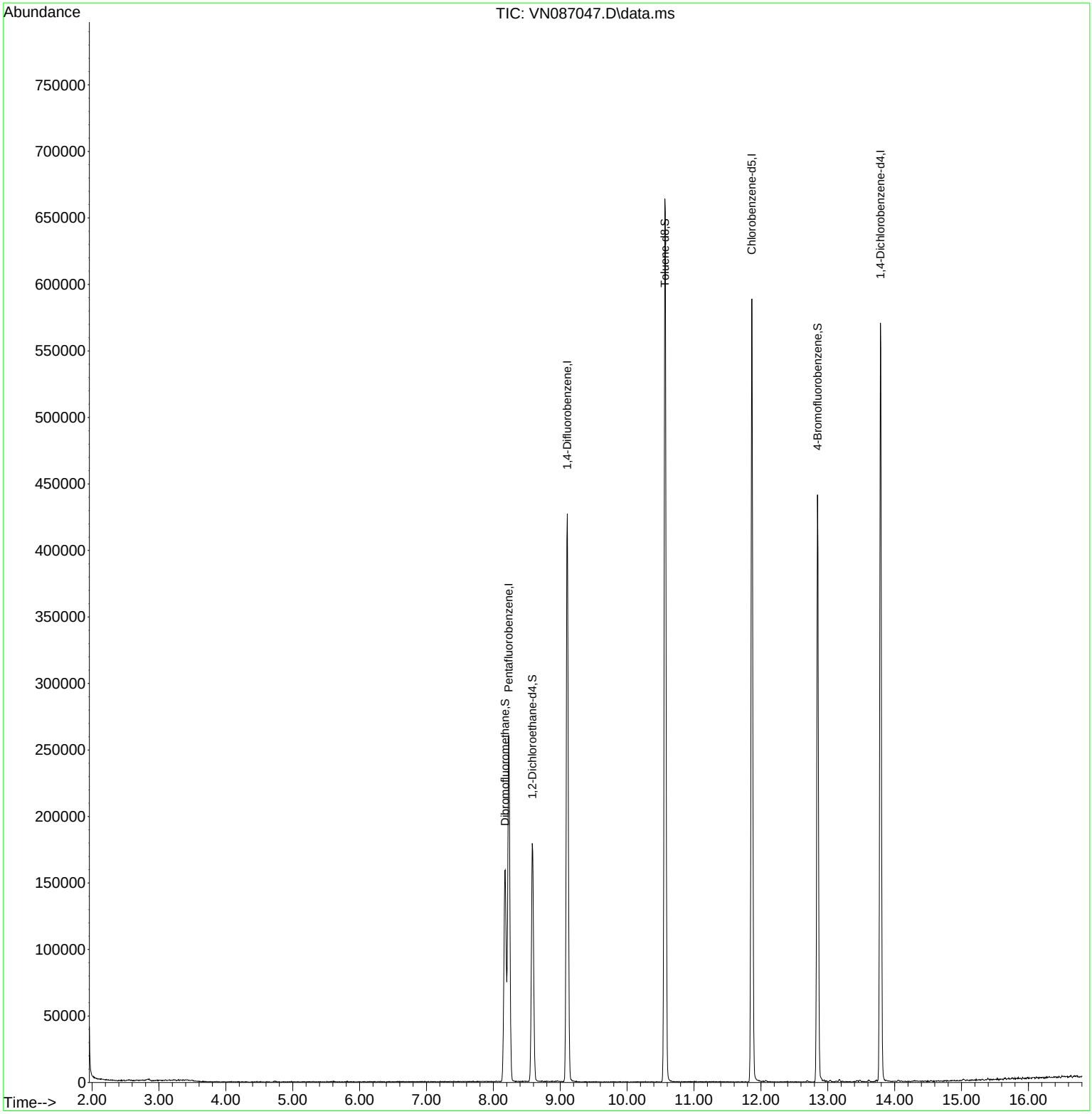
Target Compounds	Qvalue

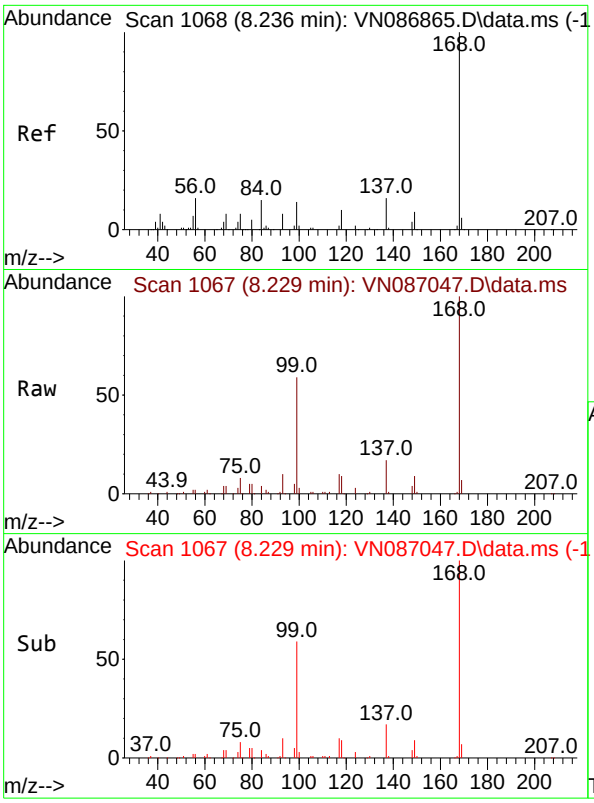
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087047.D
Acq On : 17 Jun 2025 10:20
Operator : JC\MD
Sample : VN0617WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Quant Time: Jun 18 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



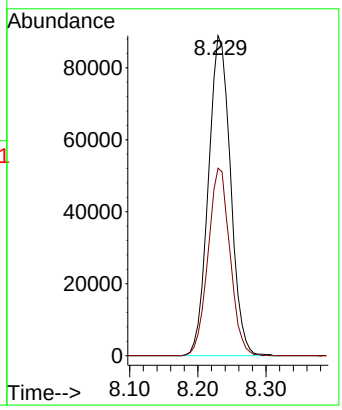


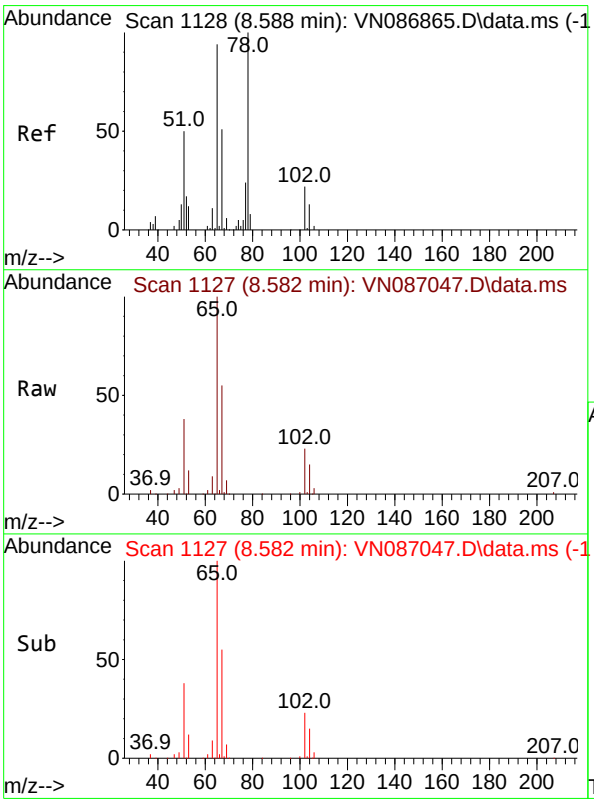
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Tgt Ion:168 Resp: 200915

Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.1	73.7

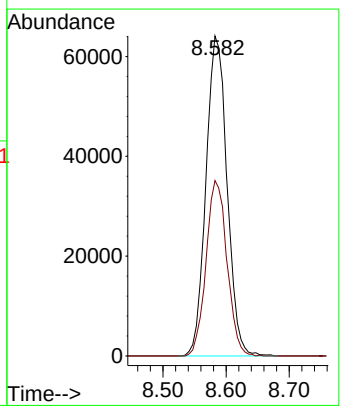


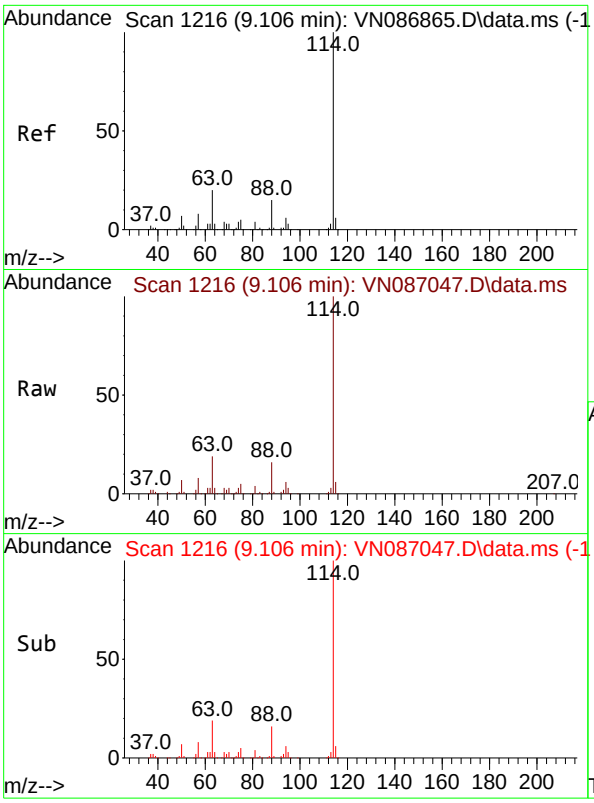


#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion: 65 Resp: 148580

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6



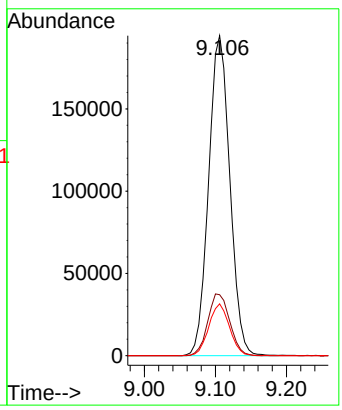


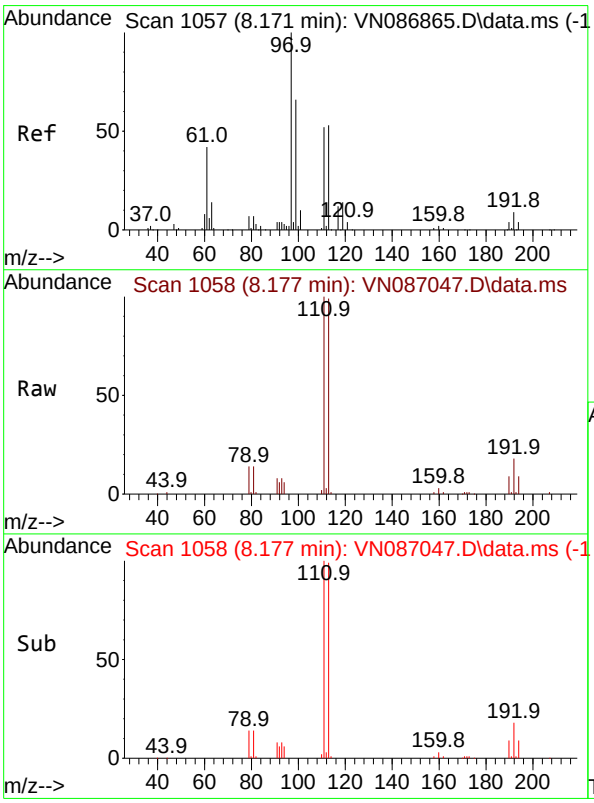
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Tgt Ion:114 Resp: 403651

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	16.2	0.0	30.2

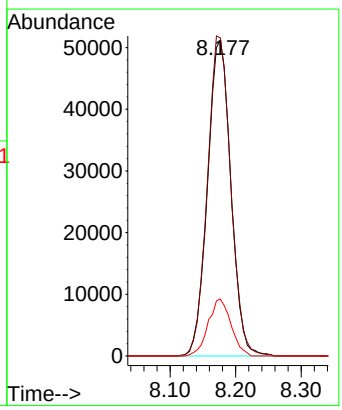


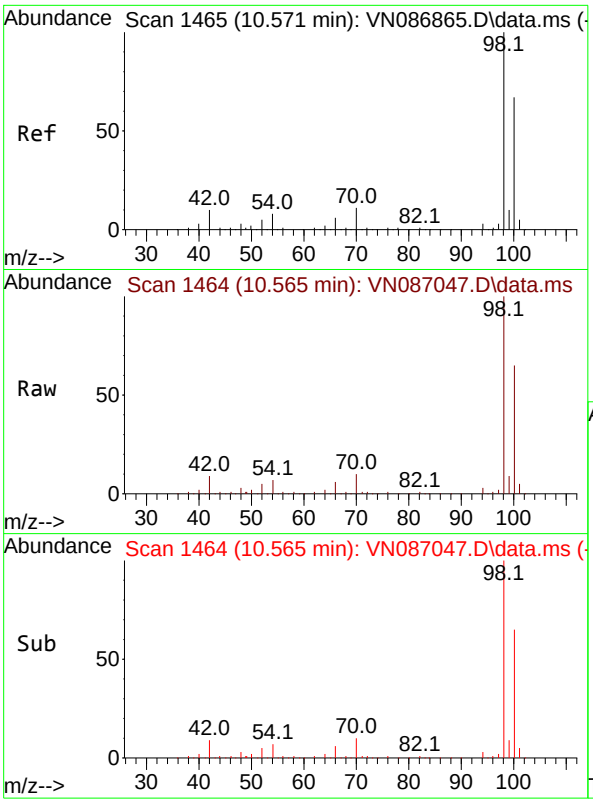


#35
Dibromofluoromethane
Concen: 52.833 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion:113 Resp: 126383

Ion	Ratio	Lower	Upper
113	100		
111	101.3	84.2	126.2
192	17.6	14.2	21.4



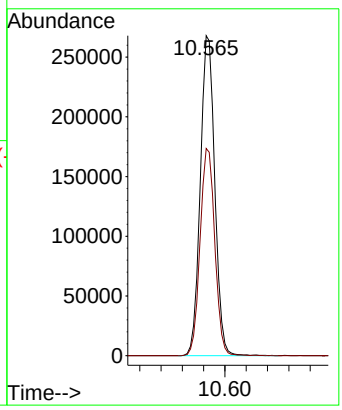


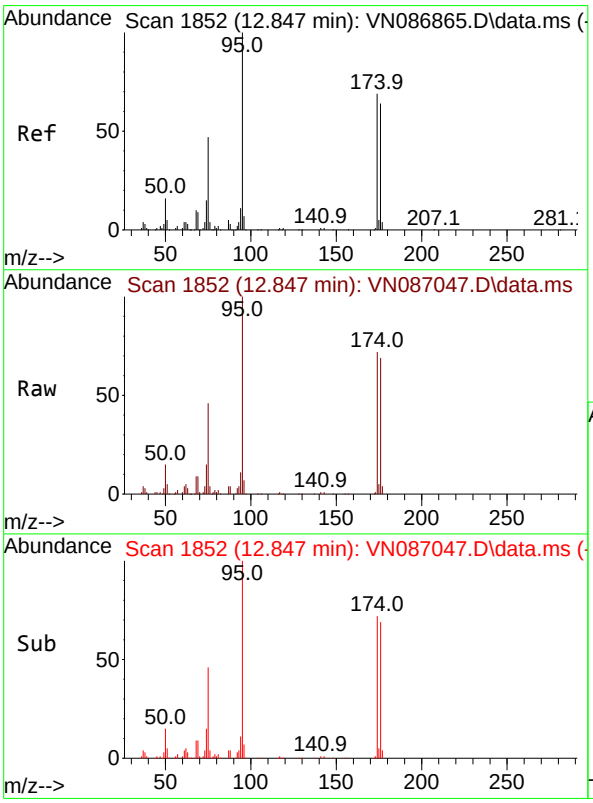
#50
Toluene-d8
Concen: 53.303 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Tgt Ion: 98 Resp: 504769

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.0

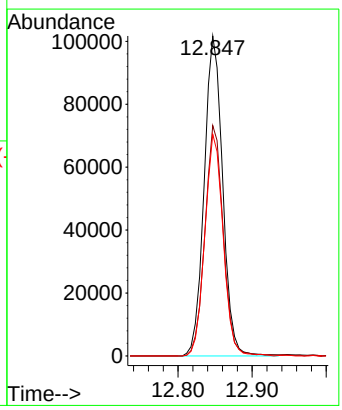


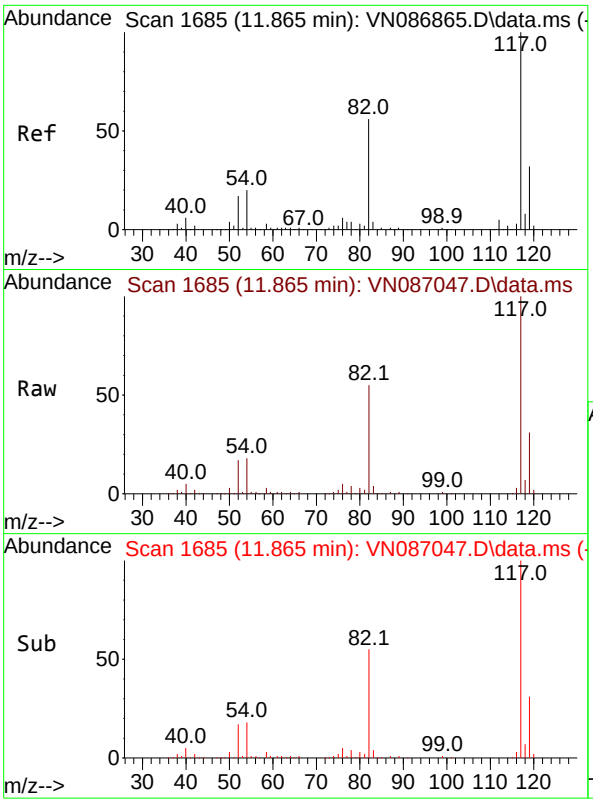


#62
4-Bromofluorobenzene
Concen: 50.058 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion: 95 Resp: 176121

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	141.8
176	68.7	0.0	132.6



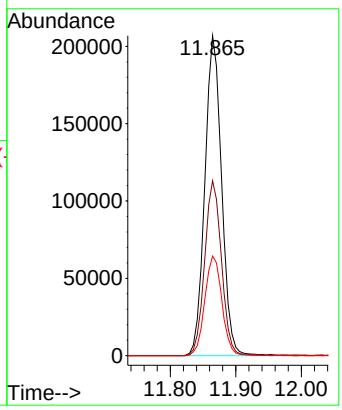


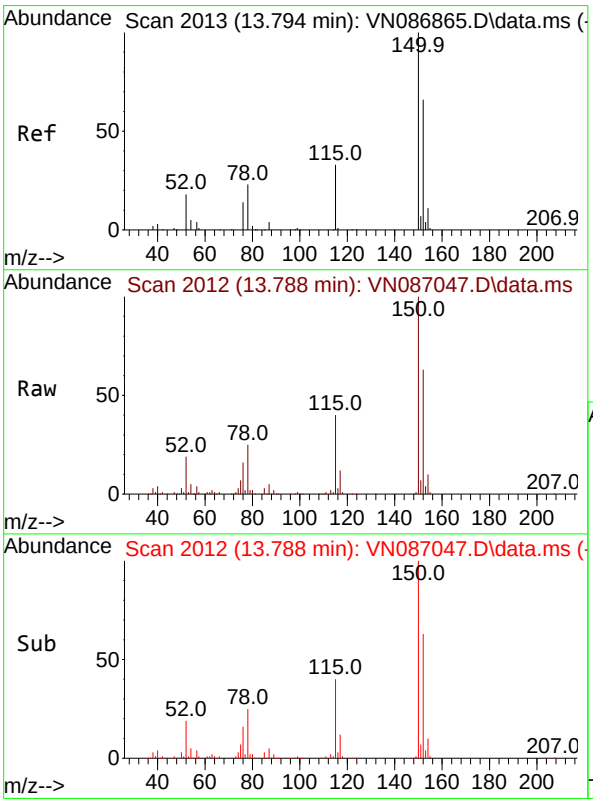
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Tgt Ion:117 Resp: 368689

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.2	25.5	38.3

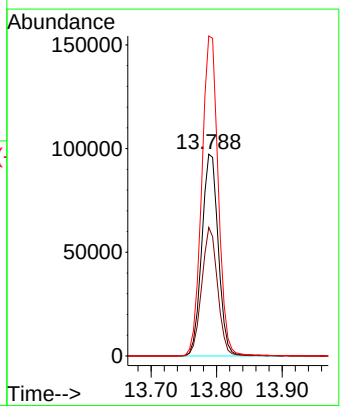




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion:152 Resp: 170553

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	158.6	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087051.D
Acq On : 17 Jun 2025 11:59
Operator : JC\MD
Sample : VN0617WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 01:44:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	157438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	102637	48.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.380%			
35) Dibromofluoromethane	8.177	113	87035	52.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.565	98	330063	49.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.847	95	127024	51.754	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	31857	20.294	ug/l	99
3) Chloromethane	2.401	50	35820	17.671	ug/l	96
4) Vinyl Chloride	2.554	62	44895	21.470	ug/l	99
5) Bromomethane	3.001	94	23461	20.050	ug/l	89
6) Chloroethane	3.159	64	29185	21.608	ug/l	99
7) Trichlorofluoromethane	3.530	101	57670	21.109	ug/l	96
8) Diethyl Ether	3.989	74	25284	21.241	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.400	101	35697	20.797	ug/l	98
10) Methyl Iodide	4.612	142	21949	9.865	ug/l	97
11) Tert butyl alcohol	5.536	59	51022	89.205	ug/l	98
12) 1,1-Dichloroethene	4.371	96	38036	21.706	ug/l	90
13) Acrolein	4.200	56	28602	157.981	ug/l	100
14) Allyl chloride	5.053	41	53962	18.568	ug/l	96
15) Acrylonitrile	5.736	53	127531	95.394	ug/l	99
16) Acetone	4.448	43	99313	88.843	ug/l	100
17) Carbon Disulfide	4.742	76	107330	22.143	ug/l	97
18) Methyl Acetate	5.047	43	52657	16.164	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	125530	19.785	ug/l	97
20) Methylene Chloride	5.300	84	41757	19.953	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	40883	20.970	ug/l	93
22) Diisopropyl ether	6.683	45	117172	19.127	ug/l	98
23) Vinyl Acetate	6.618	43	515374	99.575	ug/l	98
24) 1,1-Dichloroethane	6.589	63	72122	20.458	ug/l	98
25) 2-Butanone	7.494	43	160313	88.228	ug/l	99
26) 2,2-Dichloropropane	7.500	77	61973	22.599	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	48236	20.688	ug/l	98
28) Bromochloromethane	7.824	49	30593	17.650	ug/l	89
29) Tetrahydrofuran	7.847	42	108501	91.665	ug/l	94
30) Chloroform	7.971	83	70607	20.055	ug/l	99
31) Cyclohexane	8.265	56	63824	18.668	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	60917	20.344	ug/l	93
36) 1,1-Dichloropropene	8.383	75	52690	21.189	ug/l	98
37) Ethyl Acetate	7.571	43	64952	20.519	ug/l	99
38) Carbon Tetrachloride	8.371	117	50957	20.873	ug/l	95
39) Methylcyclohexane	9.600	83	58485	17.167	ug/l	97
40) Benzene	8.612	78	169691	20.869	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087051.D
Acq On : 17 Jun 2025 11:59
Operator : JC\MD
Sample : VN0617WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 01:44:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	33778	19.000	ug/l		95
42) 1,2-Dichloroethane	8.677	62	51707	20.965	ug/l		100
43) Isopropyl Acetate	8.694	43	94051	18.512	ug/l		96
44) Trichloroethene	9.353	130	41200	21.368	ug/l		98
45) 1,2-Dichloropropane	9.624	63	41010	20.731	ug/l		99
46) Dibromomethane	9.712	93	28519	21.704	ug/l		95
47) Bromodichloromethane	9.888	83	56790	21.006	ug/l		98
48) Methyl methacrylate	9.682	41	44182	18.894	ug/l		97
49) 1,4-Dioxane	9.706	88	16851	396.113	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	284888	93.145	ug/l		97
52) Toluene	10.629	92	106583	21.448	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	63945	21.153	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	67853	20.978	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	40974	21.429	ug/l		97
56) Ethyl methacrylate	10.882	69	61756	20.278	ug/l		93
57) 1,3-Dichloropropane	11.165	76	70252	21.180	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	167427	92.171	ug/l		98
59) 2-Hexanone	11.206	43	168311	85.432	ug/l		93
60) Dibromochloromethane	11.359	129	42009	21.087	ug/l		99
61) 1,2-Dibromoethane	11.471	107	41422	21.135	ug/l		97
64) Tetrachloroethene	11.106	164	32201	20.459	ug/l		95
65) Chlorobenzene	11.888	112	117016	21.333	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	38683	21.939	ug/l		98
67) Ethyl Benzene	11.965	91	191185	20.235	ug/l		99
68) m/p-Xylenes	12.071	106	153323	42.393	ug/l		98
69) o-Xylene	12.400	106	74694	21.564	ug/l		97
70) Styrene	12.412	104	129584	21.862	ug/l		98
71) Bromoform	12.576	173	28209	21.592	ug/l	#	95
73) Isopropylbenzene	12.694	105	183037	20.505	ug/l		99
74) N-amyl acetate	12.547	43	57325m	18.378	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	64970	21.484	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	54364m	18.665	ug/l		
77) Bromobenzene	12.982	156	45556	22.254	ug/l		95
78) n-propylbenzene	13.035	91	211448	19.492	ug/l		96
79) 2-Chlorotoluene	13.123	91	130050	19.991	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	146312	19.853	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	22976	18.159	ug/l	#	91
82) 4-Chlorotoluene	13.218	91	130303	19.795	ug/l		96
83) tert-Butylbenzene	13.435	119	124546	18.462	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	150274	20.334	ug/l		100
85) sec-Butylbenzene	13.612	105	175237	17.887	ug/l		97
86) p-Isopropyltoluene	13.729	119	152581	18.841	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	85450	21.216	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	85795	20.893	ug/l		98
89) n-Butylbenzene	14.053	91	126981	16.188	ug/l		95
90) Hexachloroethane	14.335	117	24929	18.160	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	83067	21.467	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14110	19.510	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	44436	17.983	ug/l		95
94) Hexachlorobutadiene	15.500	225	12332	13.396	ug/l		96
95) Naphthalene	15.635	128	237029	25.772	ug/l	#	95
96) 1,2,3-Trichlorobenzene	15.835	180	42260	17.214	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087051.D
Acq On : 17 Jun 2025 11:59
Operator : JC\MD
Sample : VN0617WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 01:44:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

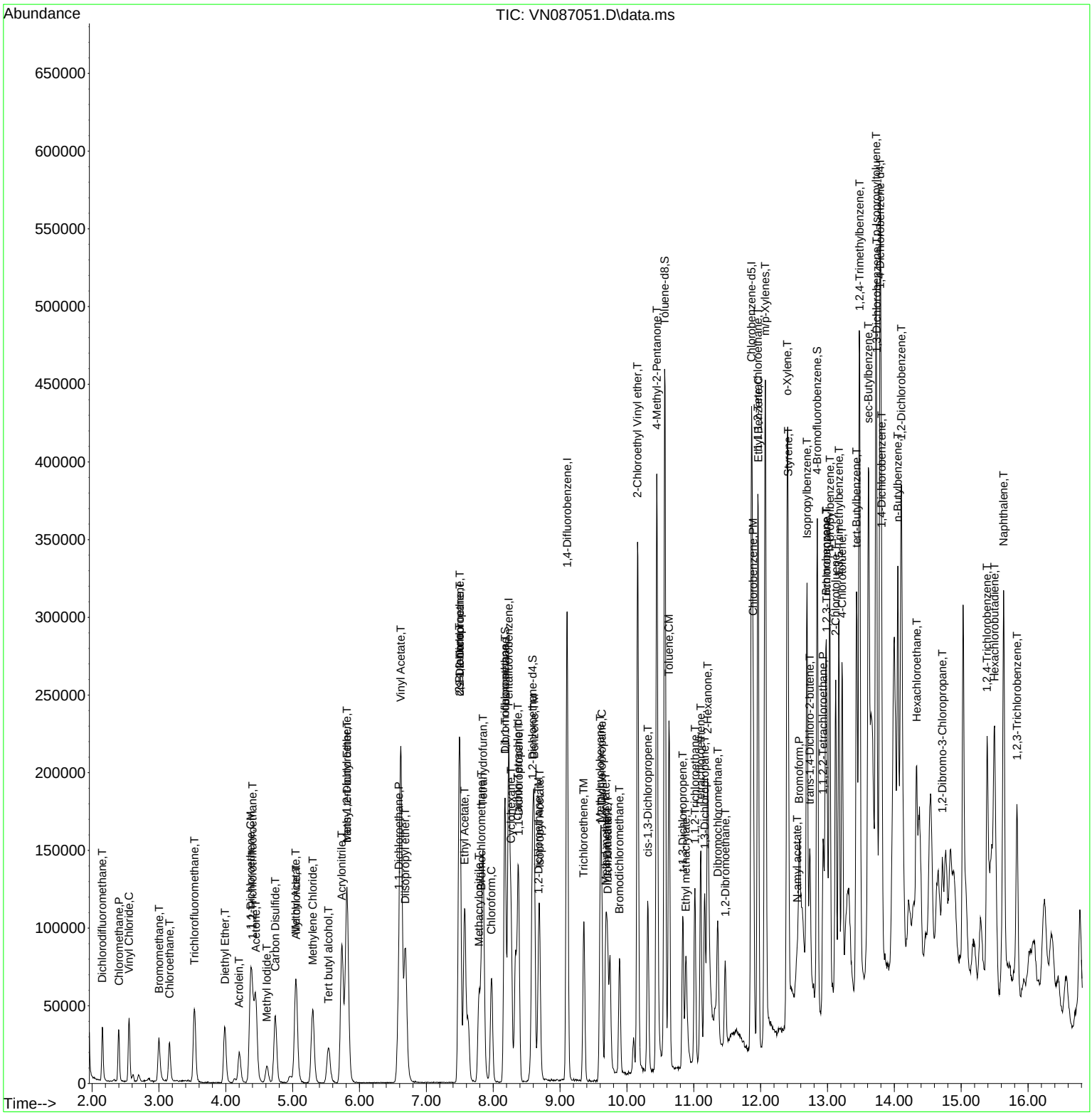
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087051.D
Acq On : 17 Jun 2025 11:59
Operator : JC\MD
Sample : VN0617WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 01:44:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	171983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	303445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107906	46.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.720%			
35) Dibromofluoromethane	8.177	113	93908	52.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.571	98	350871	49.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.847	95	133701	50.551	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	32852	19.158	ug/l	99
3) Chloromethane	2.395	50	34315	15.497	ug/l	99
4) Vinyl Chloride	2.553	62	44502	19.483	ug/l	95
5) Bromomethane	3.000	94	24187	18.922	ug/l	95
6) Chloroethane	3.159	64	29394	19.922	ug/l	98
7) Trichlorofluoromethane	3.530	101	58727	19.678	ug/l	100
8) Diethyl Ether	3.989	74	27627	21.247	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.406	101	37050	19.760	ug/l	97
10) Methyl Iodide	4.618	142	24828	10.215	ug/l	96
11) Tert butyl alcohol	5.530	59	53970	86.379	ug/l	99
12) 1,1-Dichloroethene	4.371	96	39568	20.671	ug/l	86
13) Acrolein	4.206	56	30310	153.257	ug/l	99
14) Allyl chloride	5.053	41	52359	16.493	ug/l	95
15) Acrylonitrile	5.736	53	134869	92.351	ug/l	100
16) Acetone	4.447	43	98290	80.492	ug/l	95
17) Carbon Disulfide	4.742	76	110387	20.848	ug/l	97
18) Methyl Acetate	5.047	43	53013	14.897	ug/l	94
19) Methyl tert-butyl Ether	5.818	73	136458	19.688	ug/l	97
20) Methylene Chloride	5.300	84	44917	19.647	ug/l	88
21) trans-1,2-Dichloroethene	5.812	96	43284	20.324	ug/l	91
22) Diisopropyl ether	6.688	45	121681	18.183	ug/l #	96
23) Vinyl Acetate	6.618	43	533977	94.444	ug/l	97
24) 1,1-Dichloroethane	6.588	63	73294	19.032	ug/l	100
25) 2-Butanone	7.494	43	166367	83.817	ug/l	93
26) 2,2-Dichloropropane	7.500	77	62886	20.993	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	51264	20.127	ug/l	95
28) Bromochloromethane	7.824	49	32878	17.364	ug/l	89
29) Tetrahydrofuran	7.847	42	110194	85.222	ug/l	91
30) Chloroform	7.977	83	74260	19.309	ug/l	99
31) Cyclohexane	8.265	56	65250	17.471	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	62815	19.204	ug/l	99
36) 1,1-Dichloropropene	8.382	75	55184	20.594	ug/l	99
37) Ethyl Acetate	7.571	43	62702m	18.381	ug/l	
38) Carbon Tetrachloride	8.371	117	52548	19.974	ug/l	98
39) Methylcyclohexane	9.606	83	60644	16.519	ug/l	96
40) Benzene	8.612	78	178683	20.392	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	33206	17.333	ug/l		92
42) 1,2-Dichloroethane	8.677	62	53416	20.098	ug/l		98
43) Isopropyl Acetate	8.694	43	98853	18.055	ug/l		95
44) Trichloroethene	9.359	130	44074	21.212	ug/l		98
45) 1,2-Dichloropropane	9.624	63	42620	19.993	ug/l		92
46) Dibromomethane	9.712	93	30004	21.190	ug/l		96
47) Bromodichloromethane	9.888	83	60069	20.619	ug/l		98
48) Methyl methacrylate	9.682	41	43909	17.425	ug/l		92
49) 1,4-Dioxane	9.700	88	17810	388.500	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	303487	92.078	ug/l		97
52) Toluene	10.629	92	111495	20.821	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	67454	20.706	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	73512	21.090	ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	43421	21.073	ug/l		98
56) Ethyl methacrylate	10.882	69	68003	20.721	ug/l	#	93
57) 1,3-Dichloropropane	11.165	76	72899	20.395	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	178821	91.353	ug/l		96
59) 2-Hexanone	11.206	43	175135	82.492	ug/l		88
60) Dibromochloromethane	11.359	129	46880	21.837	ug/l		100
61) 1,2-Dibromoethane	11.470	107	45506	21.547	ug/l		99
64) Tetrachloroethene	11.106	164	35206	21.188	ug/l		92
65) Chlorobenzene	11.894	112	124039	21.420	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	40384	21.695	ug/l		98
67) Ethyl Benzene	11.965	91	203154	20.367	ug/l		98
68) m/p-Xylenes	12.070	106	163156	42.731	ug/l		96
69) o-Xylene	12.394	106	79158	21.646	ug/l		95
70) Styrene	12.412	104	133343	21.309	ug/l		99
71) Bromoform	12.582	173	30707	22.264	ug/l	#	96
73) Isopropylbenzene	12.694	105	187504	19.831	ug/l		99
74) N-amyl acetate	12.547	43	56686m	17.156	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	68144	21.274	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	57000m	18.476	ug/l		
77) Bromobenzene	12.982	156	47832	22.059	ug/l		95
78) n-propylbenzene	13.035	91	216960	18.881	ug/l		98
79) 2-Chlorotoluene	13.123	91	138007	20.027	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	149431	19.142	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	24159	18.026	ug/l		97
82) 4-Chlorotoluene	13.217	91	140095	20.092	ug/l		99
83) tert-Butylbenzene	13.435	119	130042	18.198	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	152004	19.418	ug/l		97
85) sec-Butylbenzene	13.612	105	176580	17.016	ug/l		100
86) p-Isopropyltoluene	13.729	119	150247	17.515	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	88414	20.724	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	90913	20.901	ug/l		99
89) n-Butylbenzene	14.053	91	131374	15.811	ug/l		99
90) Hexachloroethane	14.329	117	25503	17.539	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	84520	20.621	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14366	18.753	ug/l		86
93) 1,2,4-Trichlorobenzene	15.388	180	44937	17.169	ug/l		96
94) Hexachlorobutadiene	15.500	225	13638	13.986	ug/l		97
95) Naphthalene	15.635	128	203721	20.911	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	42367	16.292	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

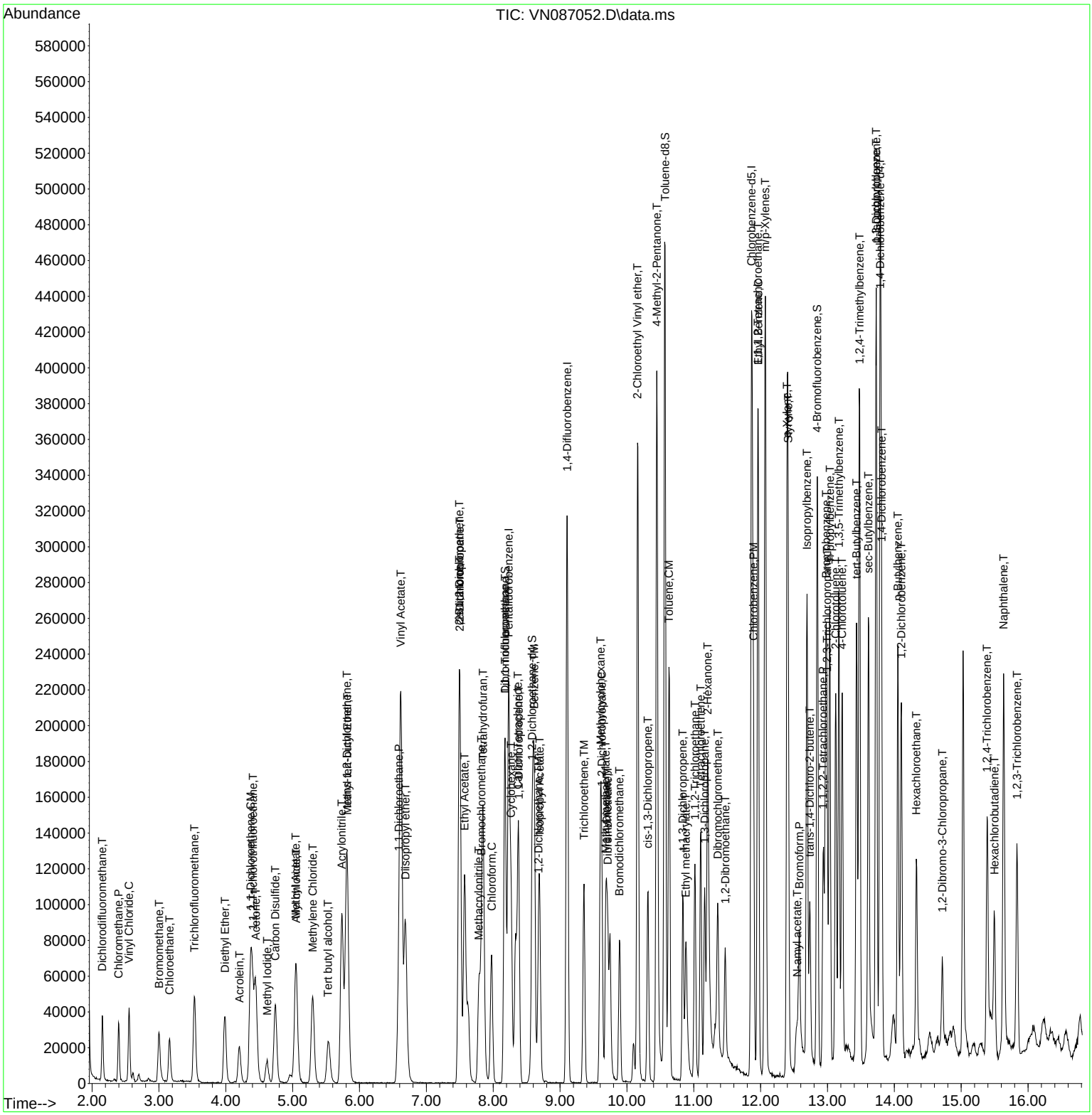
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN061725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087045.D	1,2,3-Trichloropropane	SAM	6/18/2025 2:44:22 PM	MMDadoda	6/18/2025 5:31:24 PM	Peak Integrated by Software
VSTDCCC050	VN087045.D	trans-1,4-Dichloro-2-butene	SAM	6/18/2025 2:44:22 PM	MMDadoda	6/18/2025 5:31:24 PM	Peak Integrated by Software
VN0617WBS01	VN087051.D	1,2,3-Trichloropropane	SAM	6/18/2025 3:05:24 PM	MMDadoda	6/18/2025 6:18:37 PM	Peak Integrated by Software
VN0617WBS01	VN087051.D	N-amyl acetate	SAM	6/18/2025 3:05:24 PM	MMDadoda	6/18/2025 6:18:37 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	1,2,3-Trichloropropane	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	Ethyl Acetate	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	N-amyl acetate	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VSTDCCC050	VN087072.D	1,2,3-Trichloropropane	SAM	6/18/2025 3:09:17 PM	MMDadoda	6/18/2025 6:19:33 PM	Peak Integrated by Software
VSTDCCC050	VN087072.D	N-amyl acetate	SAM	6/18/2025 3:09:17 PM	MMDadoda	6/18/2025 6:19:33 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM		
SubDirectory	VN061725	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134375
Initial Calibration Stds	
CCC	VP134376,VP134377
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087044.D	17 Jun 2025 08:51	JC\MD	Ok
2	VSTDCCC050	VN087045.D	17 Jun 2025 09:25	JC\MD	Ok,M
3	VN0617MBL01	VN087046.D	17 Jun 2025 09:59	JC\MD	Ok
4	VN0617WBL01	VN087047.D	17 Jun 2025 10:20	JC\MD	Ok
5	VN0617MBS01	VN087048.D	17 Jun 2025 10:41	JC\MD	Ok,M
6	Q2307-03	VN087049.D	17 Jun 2025 11:16	JC\MD	Ok
7	Q2286-01ME	VN087050.D	17 Jun 2025 11:37	JC\MD	Ok
8	VN0617WBS01	VN087051.D	17 Jun 2025 11:59	JC\MD	Ok,M
9	VN0617WBSD01	VN087052.D	17 Jun 2025 12:35	JC\MD	Ok,M
10	Q2299-16DL	VN087053.D	17 Jun 2025 12:56	JC\MD	Ok
11	Q2299-18DL	VN087054.D	17 Jun 2025 13:18	JC\MD	Ok
12	Q2299-17DL	VN087055.D	17 Jun 2025 13:39	JC\MD	Ok
13	PB168498TB	VN087056.D	17 Jun 2025 14:00	JC\MD	Ok
14	Q2311-04	VN087057.D	17 Jun 2025 14:22	JC\MD	Ok
15	Q2311-08	VN087058.D	17 Jun 2025 14:43	JC\MD	Ok
16	Q2312-04	VN087059.D	17 Jun 2025 15:04	JC\MD	Ok
17	Q2319-04	VN087060.D	17 Jun 2025 15:26	JC\MD	Ok
18	Q2320-01	VN087061.D	17 Jun 2025 15:47	JC\MD	Ok
19	Q2325-04	VN087062.D	17 Jun 2025 16:08	JC\MD	Ok,M
20	Q2329-01	VN087063.D	17 Jun 2025 16:30	JC\MD	Ok,M
21	Q2329-02	VN087064.D	17 Jun 2025 16:51	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM		
SubDirectory	VN061725	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134375
Initial Calibration Stds	
CCC	VP134376,VP134377
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2329-03	VN087065.D	17 Jun 2025 17:13	JC\MD	Ok
23	Q2329-04	VN087066.D	17 Jun 2025 17:34	JC\MD	Ok
24	Q2329-05	VN087067.D	17 Jun 2025 17:56	JC\MD	Ok
25	Q2329-06	VN087068.D	17 Jun 2025 18:17	JC\MD	Ok
26	Q2299-05	VN087069.D	17 Jun 2025 18:39	JC\MD	Ok
27	Q2299-03MS	VN087070.D	17 Jun 2025 19:00	JC\MD	Not Ok
28	Q2299-04MSD	VN087071.D	17 Jun 2025 19:22	JC\MD	Ok,M
29	VSTDCCC050	VN087072.D	17 Jun 2025 19:43	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM		
SubDirectory	VN061725	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134375
Initial Calibration Stds	
CCC	VP134376,VP134377
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087044.D	17 Jun 2025 08:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087045.D	17 Jun 2025 09:25	pH#Lot#V12668	JC\MD	Ok,M
3	VN0617MBL01	VN0617MBL01	VN087046.D	17 Jun 2025 09:59		JC\MD	Ok
4	VN0617WBL01	VN0617WBL01	VN087047.D	17 Jun 2025 10:20		JC\MD	Ok
5	VN0617MBS01	VN0617MBS01	VN087048.D	17 Jun 2025 10:41		JC\MD	Ok,M
6	Q2307-03	LINDEN-SAA-WATER	VN087049.D	17 Jun 2025 11:16		JC\MD	Ok
7	Q2286-01ME	BP-VPB-182-TB-20250	VN087050.D	17 Jun 2025 11:37		JC\MD	Ok
8	VN0617WBS01	VN0617WBS01	VN087051.D	17 Jun 2025 11:59		JC\MD	Ok,M
9	VN0617WBSD01	VN0617WBSD01	VN087052.D	17 Jun 2025 12:35		JC\MD	Ok,M
10	Q2299-16DL	RE134D4-20250610DL	VN087053.D	17 Jun 2025 12:56	vial B pH<2	JC\MD	Ok
11	Q2299-18DL	TT190D1-20250611DL	VN087054.D	17 Jun 2025 13:18	vial B pH<2	JC\MD	Ok
12	Q2299-17DL	RE134D3-20250610DL	VN087055.D	17 Jun 2025 13:39	vial B pH<2	JC\MD	Ok
13	PB168498TB	PB168498TB	VN087056.D	17 Jun 2025 14:00	vial A pH#5.0	JC\MD	Ok
14	Q2311-04	TP03-MH2MH3-WC	VN087057.D	17 Jun 2025 14:22	vial A pH#6.0	JC\MD	Ok
15	Q2311-08	TP04-MH2MH3-WC	VN087058.D	17 Jun 2025 14:43	vial A pH 7	JC\MD	Ok
16	Q2312-04	TP-1	VN087059.D	17 Jun 2025 15:04	vial A pH 5	JC\MD	Ok
17	Q2319-04	MH-B	VN087060.D	17 Jun 2025 15:26	vial A pH 5	JC\MD	Ok
18	Q2320-01	WC	VN087061.D	17 Jun 2025 15:47	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM		
SubDirectory	VN061725	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134375
Initial Calibration Stds	
CCC	VP134376,VP134377
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2325-04	TP-8	VN087062.D	17 Jun 2025 16:08	vial A pH 5	JC\MD	Ok,M
20	Q2329-01	TT192D1-20250611	VN087063.D	17 Jun 2025 16:30	vial A pH<2	JC\MD	Ok,M
21	Q2329-02	TT188S1-20250612	VN087064.D	17 Jun 2025 16:51	vial A pH<2	JC\MD	Ok
22	Q2329-03	TT119S1-20250612	VN087065.D	17 Jun 2025 17:13	vial A pH<2	JC\MD	Ok
23	Q2329-04	FB01-20250613	VN087066.D	17 Jun 2025 17:34	vial A pH<2 FB	JC\MD	Ok
24	Q2329-05	TT162S1-20250613	VN087067.D	17 Jun 2025 17:56	vial A pH<2	JC\MD	Ok
25	Q2329-06	BPOW6-7-20250613	VN087068.D	17 Jun 2025 18:17	vial A pH<2	JC\MD	Ok
26	Q2299-05	TT191D1-20250609	VN087069.D	17 Jun 2025 18:39	vial A pH<2	JC\MD	Ok
27	Q2299-03MS	TT191D1-20250609MS	VN087070.D	17 Jun 2025 19:00	vial A pH<2 Surrogate Fail;Recovery failed above 50% compound of client ask parameter	JC\MD	Not Ok
28	Q2299-04MSD	TT191D1-20250609MS	VN087071.D	17 Jun 2025 19:22	vial A pH<2 Surrogate fail	JC\MD	Ok,M
29	VSTDCCC050	VSTDCCC050EC	VN087072.D	17 Jun 2025 19:43		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2320	**OrderDate:**	6/13/2025 12:11:26 PM
Client:	First Environment, Inc.	**Project:**	EDGEW001 – Veterans Field Edgewater, NJ
Contact:	Ken Cwieka	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2320-01	**WC**	**TCLP**			**06/13/25**			**06/13/25**
			TCLP VOA	8260D			06/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2320 **Order ID:** Q2320

Client: First Environment, Inc. **Project ID:** EDGEW001 – Veterans Field Edgewat

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC								
Q2320-01	WC	SOIL	Aroclor-1248	222		6.70	19.1	ug/kg
Q2320-01	WC	SOIL	Aroclor-1254	188		3.60	19.1	ug/kg
			Total Concentration:	**410.000**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	WC	SDG No.:	Q2320
Lab Sample ID:	Q2320-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072970.D	1	06/16/25 08:25	06/16/25 13:49	PB168483

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	222		6.70	19.1	ug/kg
11097-69-1	Aroclor-1254	188		3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.1	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.1	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		30 (32) - 150 (144)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		30 (32) - 150 (175)	106%	SPK: 20

Comments:

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

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

QC SUMMARY

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

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.7	84		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.0	85		70 (60)	130 (140)
I.BLK-PP072962.D	PIBLK-PP072962.D	Tetrachloro-m-xylene	1	20	18.0	90		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.9	94		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.5	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.1	110		70 (60)	130 (140)
PB168483BS	PB168483BS	Tetrachloro-m-xylene	1	20	19.7	99		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.3	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	25.0	125		30 (32)	150 (175)
Q2320-01	WC	Tetrachloro-m-xylene	1	20	17.7	88		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.0	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.2	106		30 (32)	150 (175)
I.BLK-PP072977.D	PIBLK-PP072977.D	Tetrachloro-m-xylene	1	20	18.3	91		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.6	83		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.1	100		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.8	109		70 (60)	130 (140)
PB168483BL	PB168483BL	Tetrachloro-m-xylene	1	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.6	93		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.0	120		30 (32)	150 (175)
Q2322-01MS	CL-01-061325MS	Tetrachloro-m-xylene	1	20	18.5	93		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.7	68		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.9	89		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.1	91		30 (32)	150 (175)
Q2322-01MSD	CL-01-061325MSD	Tetrachloro-m-xylene	1	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.4	82		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.5	108		30 (32)	150 (175)
I.BLK-PP072988.D	PIBLK-PP072988.D	Tetrachloro-m-xylene	1	20	18.0	90		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.3	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2320 **Analytical Method:** 8082A

Client: First Environment, Inc. **DataFile :** PP072980.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**CL-01-061325MS**											
Q2322-01MS (Column 1)	AR1016	190.5	0	137	ug/kg	72				40 (55)	140 (146)	
	AR1260	190.5	0	122	ug/kg	64				40 (54)	140 (119)	
Client Sample ID:	**CL-01-061325MS**											
Q2322-01MS (Column 2)	AR1016	190.5	0	141	ug/kg	74				40 (55)	140 (146)	
	AR1260	190.5	0	139	ug/kg	73				40 (54)	140 (119)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2320 **Analytical Method:** 8082A

Client: First Environment, Inc. **DataFile :** PP072981.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**CL-01-061325MSD**											
Q2322-01MSD (Column 1)	AR1016	190.4	0	148	ug/kg	78		8		40 (55)	140 (146)	30 (15)
	AR1260	190.4	0	131	ug/kg	69		8		40 (54)	140 (119)	30 (15)
Client Sample ID:	**CL-01-061325MSD**											
Q2322-01MSD (Column 2)	AR1016	190.4	0	159	ug/kg	84		13		40 (55)	140 (146)	30 (15)
	AR1260	190.4	0	156	ug/kg	82		12		40 (54)	140 (119)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2320 **Analytical Method:** 8082A

Client: First Environment, Inc. **Datafile :** PP072964.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168483BS (Column 1)	AR1016	166.6	125	ug/kg	75				40 (71)	140 (120)	
	AR1260	166.6	122	ug/kg	73				40 (65)	140 (130)	
PB168483BS (Column 2)	AR1016	166.6	132	ug/kg	79				40 (71)	140 (120)	
	AR1260	166.6	143	ug/kg	86				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168483BL

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab Sample ID: PB168483BL Lab File ID: PP072978.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/16/2025

Date Analyzed (1): 06/16/2025 Date Analyzed (2): 06/16/2025

Time Analyzed (1): 16:42 Time Analyzed (2): 16:42

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
PB168483BS	PB168483BS	PP072964.D	06/16/2025	06/16/2025
WC	Q2320-01	PP072970.D	06/16/2025	06/16/2025
CL-01-061325MS	Q2322-01MS	PP072980.D	06/16/2025	06/16/2025
CL-01-061325MSD	Q2322-01MSD	PP072981.D	06/16/2025	06/16/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	PB168483BL	SDG No.:	Q2320
Lab Sample ID:	PB168483BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072978.D	1	06/16/25 08:25	06/16/25 16:42	PB168483

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		30 (32) - 150 (175)	120%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/19/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	05/19/25
Client Sample ID:	PIBLK-PP072163.D	SDG No.:	Q2320
Lab Sample ID:	I.BLK-PP072163.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072163.D	1		05/19/25	PP051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		70 (60) - 130 (140)	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		70 (60) - 130 (140)	84%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/16/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/16/25
Client Sample ID:	PIBLK-PP072962.D	SDG No.:	Q2320
Lab Sample ID:	I.BLK-PP072962.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072962.D	1		06/16/25	PP061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		70 (60) - 130 (140)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		70 (60) - 130 (140)	94%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/16/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/16/25
Client Sample ID:	PIBLK-PP072977.D	SDG No.:	Q2320
Lab Sample ID:	I.BLK-PP072977.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072977.D	1		06/16/25	pp061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		70 (60) - 130 (140)	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		70 (60) - 130 (140)	83%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/16/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/16/25
Client Sample ID:	PIBLK-PP072988.D	SDG No.:	Q2320
Lab Sample ID:	I.BLK-PP072988.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072988.D	1		06/16/25	pp061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		70 (60) - 130 (140)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		70 (60) - 130 (140)	87%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	PB168483BS	SDG No.:	Q2320
Lab Sample ID:	PB168483BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072964.D	1	06/16/25 08:25	06/16/25 12:12	PB168483

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	132		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	143		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		30 (32) - 150 (144)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.0		30 (32) - 150 (175)	125%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	CL-01-061325MS	SDG No.:	Q2320
Lab Sample ID:	Q2322-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072980.D	1	06/16/25 08:25	06/16/25 17:15	PB168483

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	141		4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	139		3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		30 (32) - 150 (175)	91%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	CL-01-061325MSD	SDG No.:	Q2320
Lab Sample ID:	Q2322-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072981.D	1	06/16/25 08:25	06/16/25 17:32	PB168483

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	159		4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	156		3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		30 (32) - 150 (175)	108%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.66	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.68	5.67	5.67	5.68	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.73	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.83	5.83	5.84	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Aroclor-1260-2	(2)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1260-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1260-4	(4)	8.09	8.08	8.09	8.09	8.08	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.40	8.40	8.40	8.41	8.40	8.40	8.30	8.50
Decachlorobiphenyl		10.21	10.21	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1232-1	(1)	4.86	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Aroclor-1232-2	(2)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1232-3	(3)	5.68	5.68	5.68	5.68	5.67	5.68	5.58	5.78
Aroclor-1232-4	(4)	5.84	5.84	5.84	5.84	5.83	5.84	5.74	5.94
Aroclor-1232-5	(5)	5.93	5.93	5.93	5.93	5.92	5.93	5.83	6.03
Decachlorobiphenyl		10.21	10.22	10.21	10.22	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-1	(1)	5.66	5.66	5.66	5.65	5.65	5.66	5.56	5.76
Aroclor-1242-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.51	4.50	4.50	4.50	4.40	4.60
Aroclor-1248-1	(1)	5.66	5.66	5.66	5.66	5.65	5.66	5.56	5.76
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.21	10.22	10.22	10.21	10.22	10.12	10.32
Tetrachloro-m-xylene		4.51	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1254-3	(3)	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1	(1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2	(2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3	(3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4	(4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5	(5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.90	4.89	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1232-1	(1)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Aroclor-1232-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1232-3	(3)	5.07	5.08	5.08	5.07	5.08	5.08	4.98	5.18
Aroclor-1232-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1232-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.69	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651	9
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670	7
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947	8
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989	7
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187	5
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775	6
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717	5
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804	5
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611	5
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218	4
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313	4
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496	5
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453	4
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186	6
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109	6
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049	6
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544	12
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190	5
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080	5
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339	10
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845	10
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896	6
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026	5
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815	6
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428	6
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230	8
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468	6
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069	4
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109	6
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078	5
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714	5
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604	6
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403	5
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525	9
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350	7
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491	7
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327	8
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423	9
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720	7
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182	15
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357	7
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944	8
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004	6
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460	8
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323	2
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545	9
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700	8
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097	8
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157	11
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427	15
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722	6
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851	5
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405	8
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228	8
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533	10
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798	11
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663	9
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480	7
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923	7
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615	12
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330	12
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071	11
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844	11
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457	10
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903	6
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007	6
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:28 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:28 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.16	7.18	7.08	7.28	0.02
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.80	8.82	8.72	8.92	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072958.D **Time Analyzed:** 10:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.552	5.752	413.160	500.000	-17.4
Aroclor-1016-2	5.677	5.574	5.774	460.960	500.000	-7.8
Aroclor-1016-3	5.739	5.636	5.836	448.800	500.000	-10.2
Aroclor-1016-4	5.837	5.734	5.934	467.540	500.000	-6.5
Aroclor-1016-5	6.129	6.027	6.227	461.030	500.000	-7.8
Aroclor-1260-1	7.245	7.147	7.347	444.870	500.000	-11.0
Aroclor-1260-2	7.498	7.401	7.601	445.180	500.000	-11.0
Aroclor-1260-3	7.856	7.760	7.960	469.640	500.000	-6.1
Aroclor-1260-4	8.080	7.985	8.185	457.440	500.000	-8.5
Aroclor-1260-5	8.399	8.303	8.503	479.310	500.000	-4.1
Decachlorobiphenyl	10.199	10.113	10.313	59.090	50.000	18.2
Tetrachloro-m-xylene	4.504	4.396	4.596	48.180	50.000	-3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072958.D **Time Analyzed:** 10:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.873	4.777	4.977	479.300	500.000	-4.1
Aroclor-1016-2	4.891	4.795	4.995	496.470	500.000	-0.7
Aroclor-1016-3	5.068	4.973	5.173	498.160	500.000	-0.4
Aroclor-1016-4	5.109	5.015	5.215	508.080	500.000	1.6
Aroclor-1016-5	5.324	5.229	5.429	499.200	500.000	-0.2
Aroclor-1260-1	6.354	6.264	6.464	522.780	500.000	4.6
Aroclor-1260-2	6.543	6.453	6.653	505.780	500.000	1.2
Aroclor-1260-3	6.695	6.606	6.806	524.460	500.000	4.9
Aroclor-1260-4	7.164	7.077	7.277	518.500	500.000	3.7
Aroclor-1260-5	7.407	7.319	7.519	530.380	500.000	6.1
Decachlorobiphenyl	8.804	8.723	8.923	67.090	50.000	34.2
Tetrachloro-m-xylene	3.793	3.691	3.891	50.830	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 15:21 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.19	10.21	10.11	10.31	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 15:21 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.69	6.71	6.61	6.81	0.02
Aroclor-1260-4	(4)	7.16	7.18	7.08	7.28	0.02
Aroclor-1260-5	(5)	7.40	7.42	7.32	7.52	0.02
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.80	8.82	8.72	8.92	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072973.D **Time Analyzed:** 15:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.646	5.552	5.752	427.360	500.000	-14.5
Aroclor-1016-2	5.669	5.574	5.774	427.440	500.000	-14.5
Aroclor-1016-3	5.731	5.636	5.836	425.490	500.000	-14.9
Aroclor-1016-4	5.829	5.734	5.934	436.300	500.000	-12.7
Aroclor-1016-5	6.121	6.027	6.227	444.620	500.000	-11.1
Aroclor-1260-1	7.238	7.147	7.347	397.080	500.000	-20.6
Aroclor-1260-2	7.491	7.401	7.601	392.490	500.000	-21.5
Aroclor-1260-3	7.848	7.760	7.960	400.340	500.000	-19.9
Aroclor-1260-4	8.071	7.985	8.185	410.090	500.000	-18.0
Aroclor-1260-5	8.391	8.303	8.503	410.200	500.000	-18.0
Decachlorobiphenyl	10.190	10.113	10.313	51.560	50.000	3.1
Tetrachloro-m-xylene	4.497	4.396	4.596	47.860	50.000	-4.3

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072973.D **Time Analyzed:** 15:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.870	4.777	4.977	486.410	500.000	-2.7
Aroclor-1016-2	4.888	4.795	4.995	500.200	500.000	0.0
Aroclor-1016-3	5.065	4.973	5.173	501.030	500.000	0.2
Aroclor-1016-4	5.107	5.015	5.215	509.210	500.000	1.8
Aroclor-1016-5	5.320	5.229	5.429	499.920	500.000	0.0
Aroclor-1260-1	6.351	6.264	6.464	477.270	500.000	-4.5
Aroclor-1260-2	6.540	6.453	6.653	456.590	500.000	-8.7
Aroclor-1260-3	6.691	6.606	6.806	481.590	500.000	-3.7
Aroclor-1260-4	7.162	7.077	7.277	471.910	500.000	-5.6
Aroclor-1260-5	7.404	7.319	7.519	458.110	500.000	-8.4
Decachlorobiphenyl	8.799	8.723	8.923	58.210	50.000	16.4
Tetrachloro-m-xylene	3.791	3.691	3.891	51.020	50.000	2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 19:15 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.01
Decachlorobiphenyl		10.19	10.21	10.11	10.31	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 19:15 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.69	6.71	6.61	6.81	0.02
Aroclor-1260-4	(4)	7.16	7.18	7.08	7.28	0.02
Aroclor-1260-5	(5)	7.40	7.42	7.32	7.52	0.02
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.80	8.82	8.72	8.92	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072984.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.647	5.552	5.752	422.260	500.000	-15.5
Aroclor-1016-2	5.668	5.574	5.774	451.220	500.000	-9.8
Aroclor-1016-3	5.730	5.636	5.836	459.870	500.000	-8.0
Aroclor-1016-4	5.828	5.734	5.934	475.900	500.000	-4.8
Aroclor-1016-5	6.119	6.027	6.227	457.290	500.000	-8.5
Aroclor-1260-1	7.236	7.147	7.347	425.990	500.000	-14.8
Aroclor-1260-2	7.490	7.401	7.601	413.520	500.000	-17.3
Aroclor-1260-3	7.847	7.760	7.960	422.080	500.000	-15.6
Aroclor-1260-4	8.071	7.985	8.185	437.620	500.000	-12.5
Aroclor-1260-5	8.389	8.303	8.503	438.940	500.000	-12.2
Decachlorobiphenyl	10.187	10.113	10.313	54.380	50.000	8.8
Tetrachloro-m-xylene	4.495	4.396	4.596	47.560	50.000	-4.9

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CALIBRATION VERIFICATION SUMMARY

Contract: FIRS02

Lab Code: CHEM **Case No.:** Q2320 **SAS No.:** Q2320 **SDG NO.:** Q2320

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/16/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072984.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.871	4.777	4.977	493.000	500.000	-1.4
Aroclor-1016-2	4.888	4.795	4.995	515.350	500.000	3.1
Aroclor-1016-3	5.065	4.973	5.173	517.980	500.000	3.6
Aroclor-1016-4	5.107	5.015	5.215	525.960	500.000	5.2
Aroclor-1016-5	5.320	5.229	5.429	528.430	500.000	5.7
Aroclor-1260-1	6.351	6.264	6.464	524.870	500.000	5.0
Aroclor-1260-2	6.540	6.453	6.653	505.380	500.000	1.1
Aroclor-1260-3	6.692	6.606	6.806	528.820	500.000	5.8
Aroclor-1260-4	7.162	7.077	7.277	515.740	500.000	3.1
Aroclor-1260-5	7.404	7.319	7.519	508.570	500.000	1.7
Decachlorobiphenyl	8.800	8.723	8.923	65.200	50.000	30.4
Tetrachloro-m-xylene	3.791	3.691	3.891	51.520	50.000	3.0

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: First Environment, Inc. **SDG No.:** Q2320

Project: EDGEW001 – Veterans Field Edgewater, NJ **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	06/16/2025	10:28	PP072958.D	10.20	4.50
I.BLK	I.BLK	06/16/2025	11:37	PP072962.D	10.19	4.50
PB168483BS	PB168483BS	06/16/2025	12:12	PP072964.D	10.19	4.50
WC	Q2320-01	06/16/2025	13:49	PP072970.D	10.19	4.50
AR1660CCC500	AR1660CCC500	06/16/2025	15:21	PP072973.D	10.19	4.50
I.BLK	I.BLK	06/16/2025	16:26	PP072977.D	10.19	4.50
PB168483BL	PB168483BL	06/16/2025	16:42	PP072978.D	10.19	4.50
CL-01-061325MS	Q2322-01MS	06/16/2025	17:15	PP072980.D	10.19	4.49
CL-01-061325MSD	Q2322-01MSD	06/16/2025	17:32	PP072981.D	10.19	4.50

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Analytical Sequence

AR1660CCC500	AR1660CCC500	06/16/2025	19:15	PP072984.D	10.19	4.50
I.BLK	I.BLK	06/16/2025	20:38	PP072988.D	10.19	4.50

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

Client: First Environment, Inc. **SDG No.:** Q2320

Project: EDGEW001 – Veterans Field Edgewater, NJ **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	06/16/2025	10:28	PP072958.D	8.80	3.79
I.BLK	I.BLK	06/16/2025	11:37	PP072962.D	8.80	3.79
PB168483BS	PB168483BS	06/16/2025	12:12	PP072964.D	8.80	3.79
WC	Q2320-01	06/16/2025	13:49	PP072970.D	8.80	3.79
AR1660CCC500	AR1660CCC500	06/16/2025	15:21	PP072973.D	8.80	3.79
I.BLK	I.BLK	06/16/2025	16:26	PP072977.D	8.80	3.79
PB168483BL	PB168483BL	06/16/2025	16:42	PP072978.D	8.80	3.79
CL-01-061325MS	Q2322-01MS	06/16/2025	17:15	PP072980.D	8.80	3.79
CL-01-061325MSD	Q2322-01MSD	06/16/2025	17:32	PP072981.D	8.80	3.79

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

Analytical Sequence

AR1660CCC500	AR1660CCC500	06/16/2025	19:15	PP072984.D	8.80	3.79
I.BLK	I.BLK	06/16/2025	20:38	PP072988.D	8.80	3.79

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168483BS

Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab Sample ID: PB168483BS Date(s) Analyzed: 06/16/2025 06/16/2025

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 PP072964.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.649	5.599	5.699	116		
	2	5.671	5.621	5.721	127		
	3	5.733	5.683	5.783	126		
COLUMN 1	4	5.83	5.78	5.88	132		
	5	6.122	6.072	6.172	123	125	
	1	4.872	4.822	4.922	127		
	2	4.89	4.84	4.94	134		
	3	5.066	5.016	5.116	134		
	4	5.108	5.058	5.158	135		
COLUMN 2	5	5.322	5.272	5.372	129	132	5.45
Aroclor-1260	1	7.239	7.189	7.289	131		
	2	7.493	7.443	7.543	127		
	3	7.85	7.8	7.9	112		
COLUMN 1	4	8.074	8.024	8.124	120		
	5	8.393	8.343	8.443	120	122	
	1	6.352	6.302	6.402	149		
	2	6.54	6.49	6.59	144		
	3	6.692	6.642	6.742	153		
	4	7.162	7.112	7.212	135		
COLUMN 2	5	7.405	7.355	7.455	133	143	15.85

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC

Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab Sample ID: Q2320-01 Date(s) Analyzed: 06/16/2025 06/16/2025

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 PP072970.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1248							
	1	5.649	5.599	5.699	131		
	2	5.919	5.869	5.969	256		
	3	6.12	6.07	6.17	261		
COLUMN 1	4	6.52	6.47	6.57	202		
	5	6.559	6.509	6.609	243	219	
	1	4.871	4.821	4.921	148		
	2	5.107	5.057	5.157	260		
	3	5.149	5.099	5.199	229		
	4	5.321	5.271	5.371	234		
COLUMN 2	5	5.712	5.662	5.762	239	222	1.36
Aroclor-1254							
	1	6.496	6.446	6.546	225		
	2	6.713	6.663	6.763	220		
	3	7.077	7.027	7.127	193		
COLUMN 1	4	7.357	7.307	7.407	132		
	5	7.773	7.723	7.823	171	188	
	1	5.671	5.621	5.721	280		
	2	5.82	5.77	5.87	182		
	3	6.223	6.173	6.273	231		
	4	6.48	6.43	6.53	34.1		
COLUMN 2	5	6.866	6.816	6.916	148	175	7.16

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
CL-01-061325MS

Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab Sample ID: Q2322-01MS Date(s) Analyzed: 06/16/2025 06/16/2025

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 PP072980.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.646	5.596	5.696	117		
	2	5.668	5.618	5.718	127		
	3	5.729	5.679	5.779	124		
COLUMN 1	4	5.827	5.777	5.877	147		
	5	6.116	6.066	6.166	167	137	
	1	4.871	4.821	4.921	144		
	2	4.888	4.838	4.938	141		
	3	5.065	5.015	5.115	141		
	4	5.107	5.057	5.157	142		
COLUMN 2	5	5.321	5.271	5.371	139	141	2.88
Aroclor-1260	1	7.236	7.186	7.286	138		
	2	7.489	7.439	7.539	138		
	3	7.848	7.798	7.898	103		
COLUMN 1	4	8.07	8.02	8.12	121		
	5	8.389	8.339	8.439	112	122	
	1	6.352	6.302	6.402	149		
	2	6.54	6.49	6.59	133		
	3	6.691	6.641	6.741	146		
	4	7.162	7.112	7.212	138		
COLUMN 2	5	7.404	7.354	7.454	128	139	13.03

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
CL-01-061325MSD

Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320

Lab Sample ID: Q2322-01MSD Date(s) Analyzed: 06/16/2025 06/16/2025

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 PP072981.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.648	5.598	5.698	130		
	2	5.67	5.62	5.72	139		
	3	5.732	5.682	5.782	139		
COLUMN 1	4	5.829	5.779	5.879	158		
	5	6.119	6.069	6.169	173	148	
	1	4.87	4.82	4.92	164		
	2	4.888	4.838	4.938	157		
	3	5.064	5.014	5.114	158		
	4	5.106	5.056	5.156	162		
COLUMN 2	5	5.32	5.27	5.37	156	159	7.17
Aroclor-1260	1	7.238	7.188	7.288	154		
	2	7.492	7.442	7.542	141		
	3	7.85	7.8	7.9	109		
COLUMN 1	4	8.072	8.022	8.122	128		
	5	8.392	8.342	8.442	121	131	
	1	6.351	6.301	6.401	178		
	2	6.539	6.489	6.589	153		
	3	6.691	6.641	6.741	160		
	4	7.161	7.111	7.211	147		
COLUMN 2	5	7.403	7.353	7.453	144	156	17.42

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:49
Operator : YP\AJ
Sample : Q2320-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WC

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.496	3.791	35572138	30952271	17.691m	19.365
2)	SA Decachlor...	10.191	8.800	27642758	22473662	16.968m	21.230m#
	Target Compounds						
21)	L5 AR-1248-1	5.649	4.871	16860505	17084034	348.390	394.354m
22)	L5 AR-1248-2	5.919	5.107	41399130	39189745	682.703	693.902
23)	L5 AR-1248-3	6.120	5.149	46058104	36073892	695.951m	610.314
24)	L5 AR-1248-4	6.520	5.321	46938026	43384448	537.097	622.867
25)	L5 AR-1248-5	6.559	5.712	53792867	44454714	647.906	637.440
26)	L6 AR-1254-1	6.496	5.671	51568794	74534901	599.614	745.690
27)	L6 AR-1254-2	6.713	5.820	76668114	41764155	586.698	483.903
28)	L6 AR-1254-3	7.077	6.223	67862911	79309573	514.101	616.616
29)	L6 AR-1254-4	7.357	6.480	46034775	7751627	352.728	90.879 #
30)	L6 AR-1254-5	7.773	6.866	50694198	44719906	455.692	394.524

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

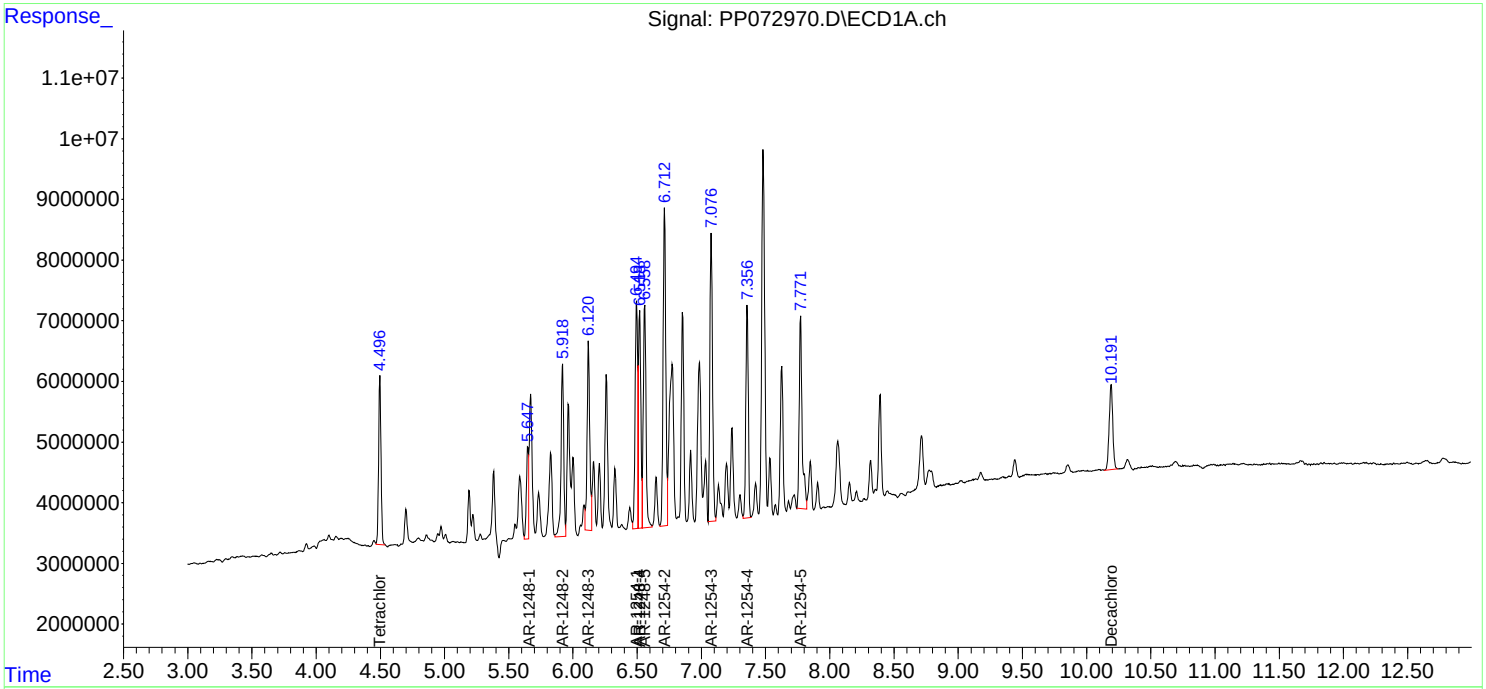
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:49
Operator : YP\AJ
Sample : Q2320-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

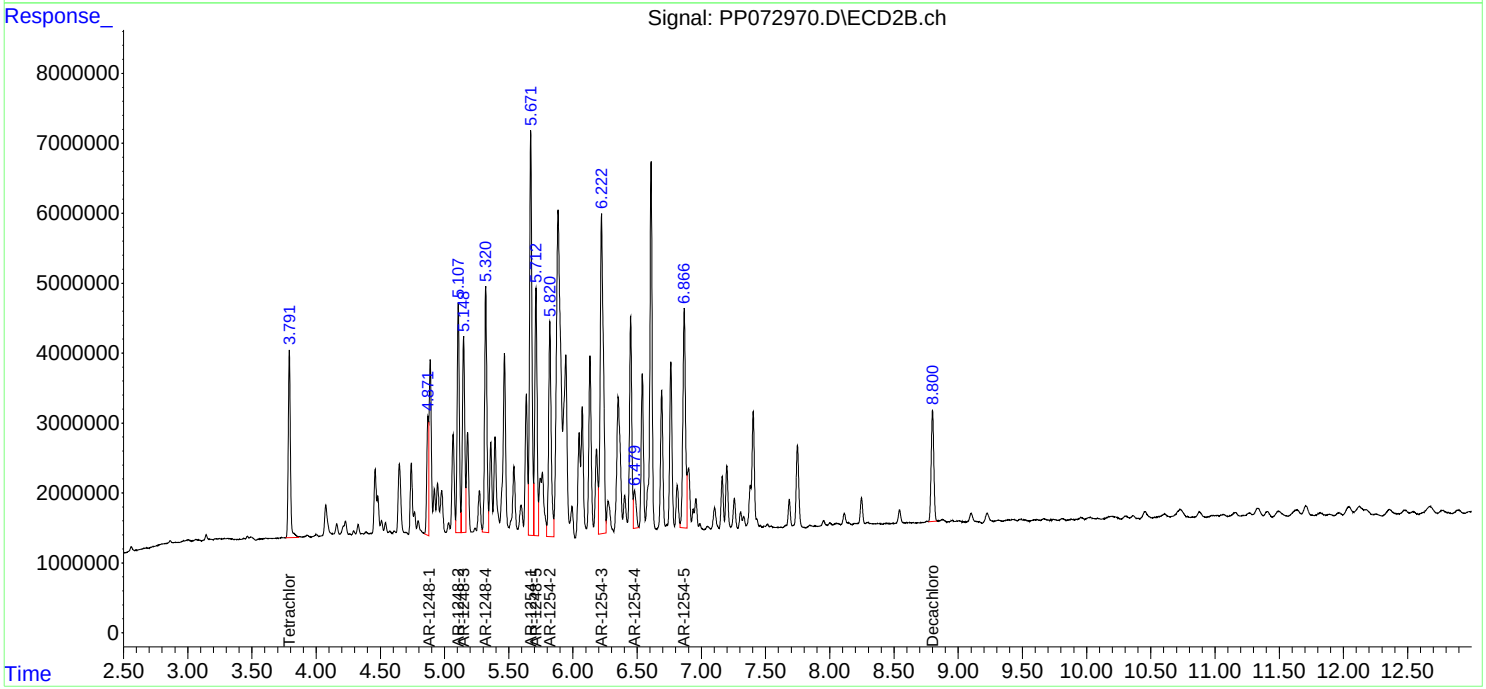
Instrument :
ECD_P
ClientSampleId :
WC

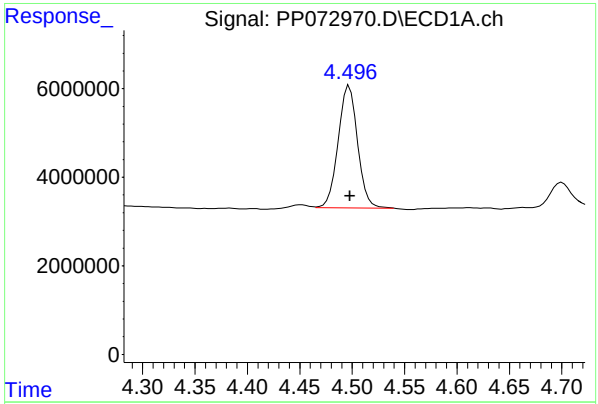
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







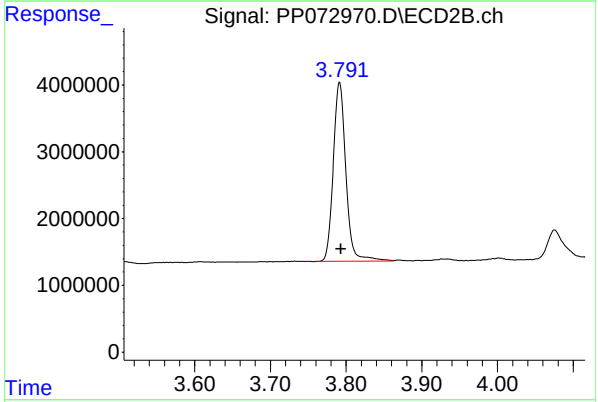
#1 Tetrachloro-m-xylene

R.T.: 4.496 min
Delta R.T.: -0.002 mi
Response: 35572138
Conc: 17.69 ng/m

Instrument :
ECD_P
ClientSampleId :
WC

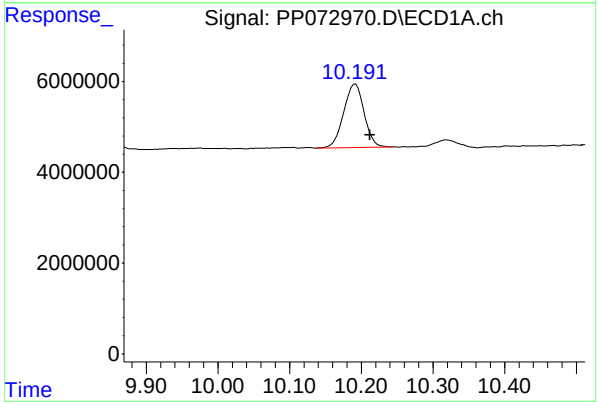
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



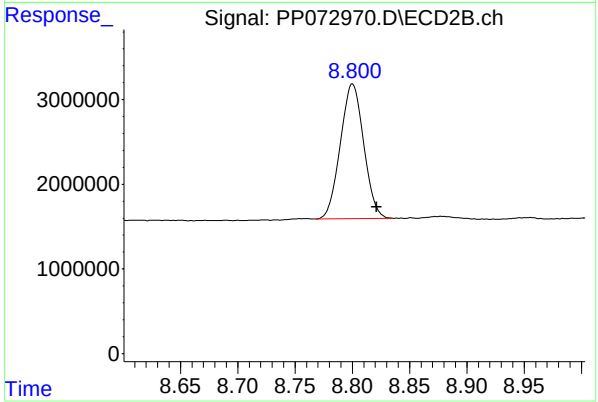
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: -0.002 min
Response: 30952271
Conc: 19.37 ng/ml



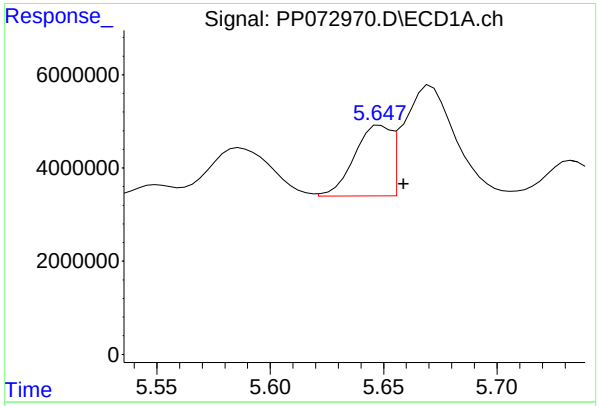
#2 Decachlorobiphenyl

R.T.: 10.191 min
Delta R.T.: -0.021 min
Response: 27642758
Conc: 16.97 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.800 min
Delta R.T.: -0.021 min
Response: 22473662
Conc: 21.23 ng/ml m



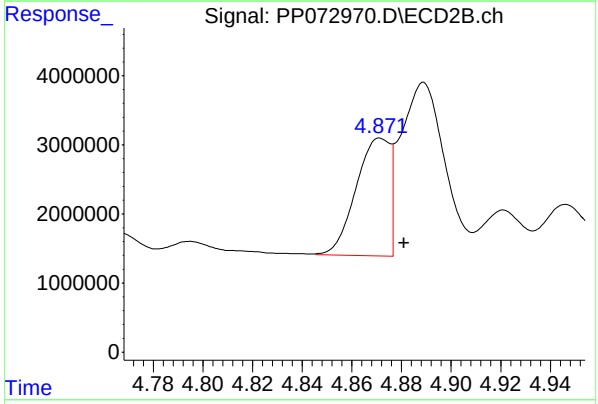
#21 AR-1248-1

R.T.: 5.649 min
Delta R.T.: -0.010 min
Response: 16860505
Conc: 348.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC

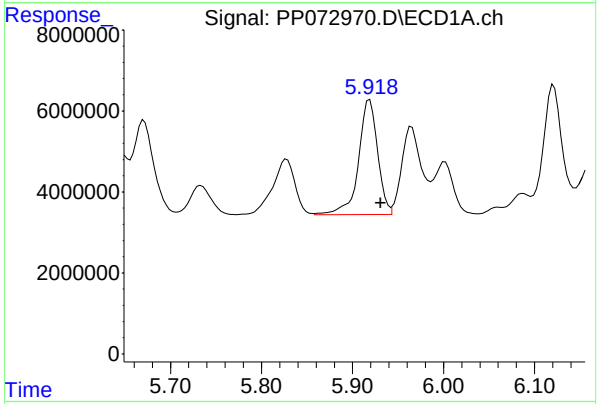
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



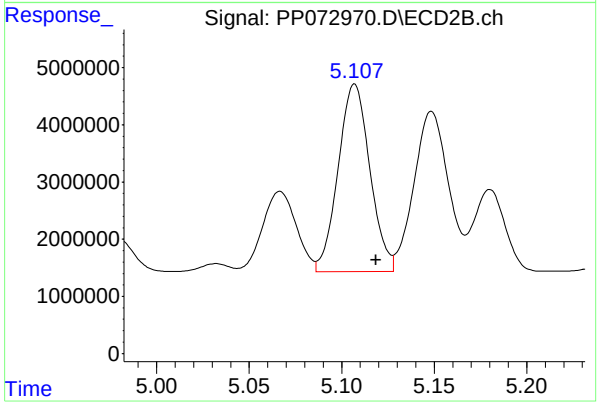
#21 AR-1248-1

R.T.: 4.871 min
Delta R.T.: -0.010 min
Response: 17084034
Conc: 394.35 ng/ml m



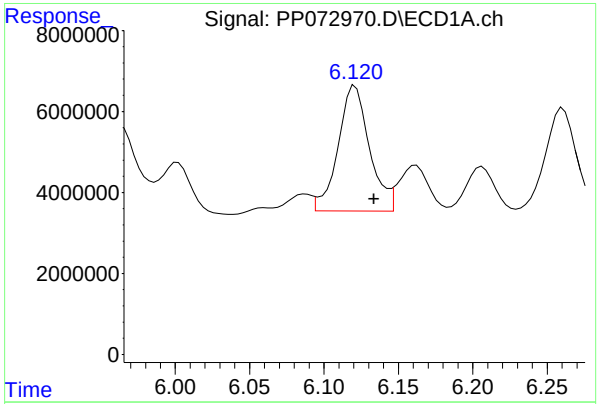
#22 AR-1248-2

R.T.: 5.919 min
Delta R.T.: -0.012 min
Response: 41399130
Conc: 682.70 ng/ml



#22 AR-1248-2

R.T.: 5.107 min
Delta R.T.: -0.011 min
Response: 39189745
Conc: 693.90 ng/ml



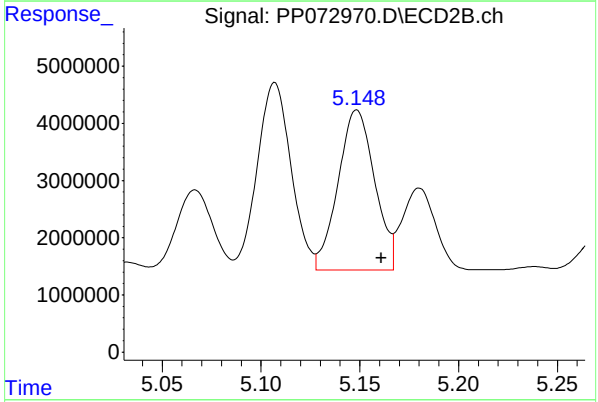
#23 AR-1248-3

R.T.: 6.120 min
Delta R.T.: -0.014 min
Response: 46058104
Conc: 695.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC

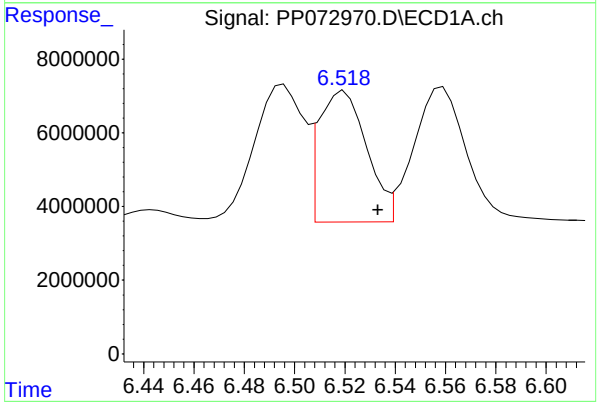
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



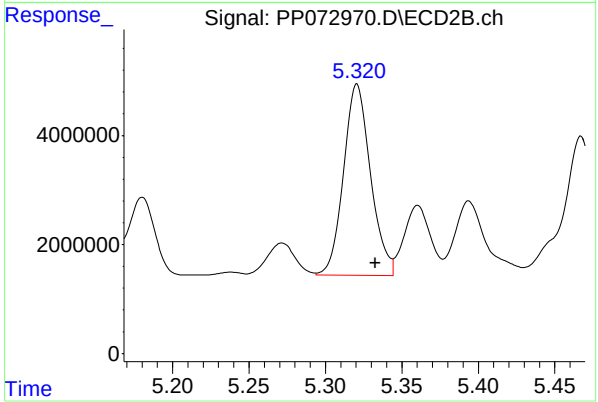
#23 AR-1248-3

R.T.: 5.149 min
Delta R.T.: -0.012 min
Response: 36073892
Conc: 610.31 ng/ml



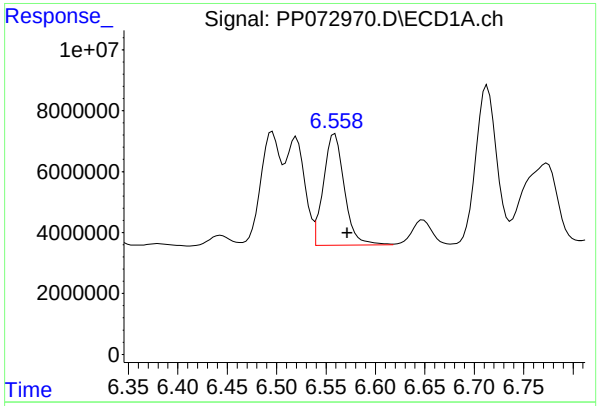
#24 AR-1248-4

R.T.: 6.520 min
Delta R.T.: -0.013 min
Response: 46938026
Conc: 537.10 ng/ml



#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: -0.012 min
Response: 43384448
Conc: 622.87 ng/ml



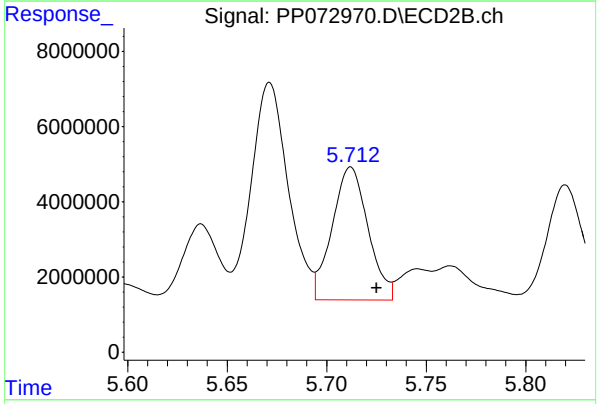
#25 AR-1248-5

R.T.: 6.559 min
Delta R.T.: -0.013 min
Response: 53792867
Conc: 647.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC

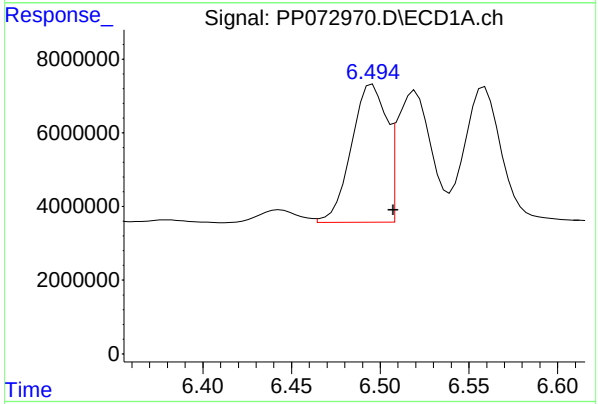
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



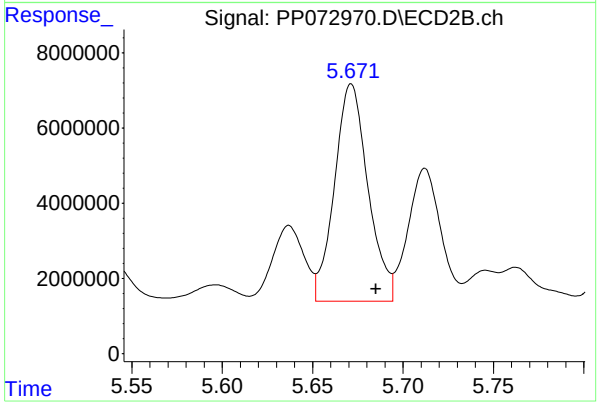
#25 AR-1248-5

R.T.: 5.712 min
Delta R.T.: -0.013 min
Response: 44454714
Conc: 637.44 ng/ml



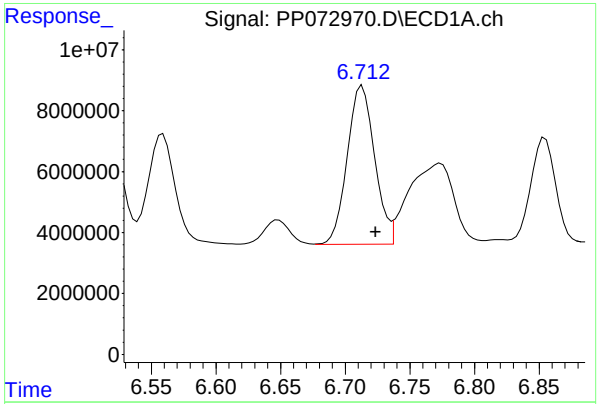
#26 AR-1254-1

R.T.: 6.496 min
Delta R.T.: -0.012 min
Response: 51568794
Conc: 599.61 ng/ml



#26 AR-1254-1

R.T.: 5.671 min
Delta R.T.: -0.014 min
Response: 74534901
Conc: 745.69 ng/ml



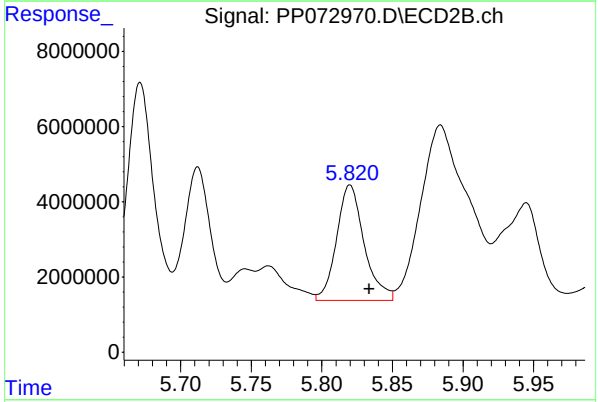
#27 AR-1254-2

R.T.: 6.713 min
Delta R.T.: -0.010 min
Response: 76668114
Conc: 586.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC

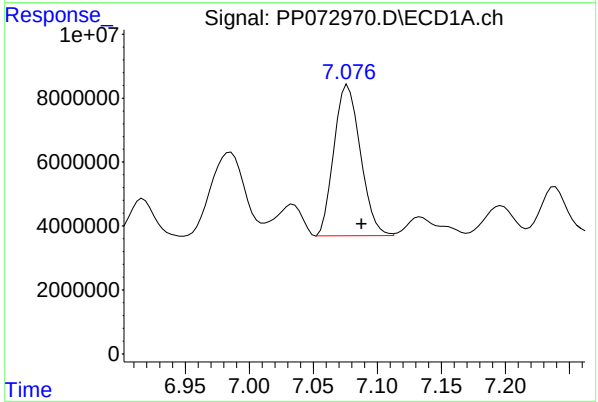
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



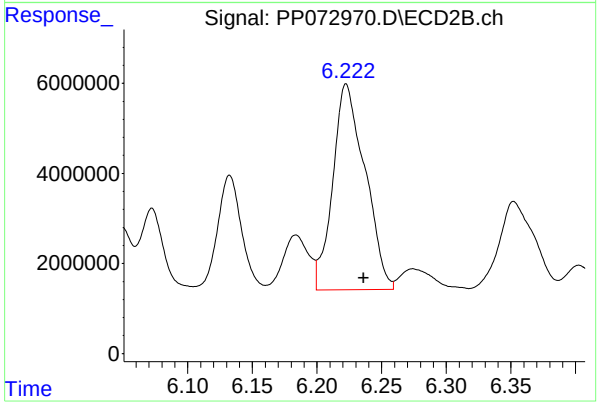
#27 AR-1254-2

R.T.: 5.820 min
Delta R.T.: -0.014 min
Response: 41764155
Conc: 483.90 ng/ml



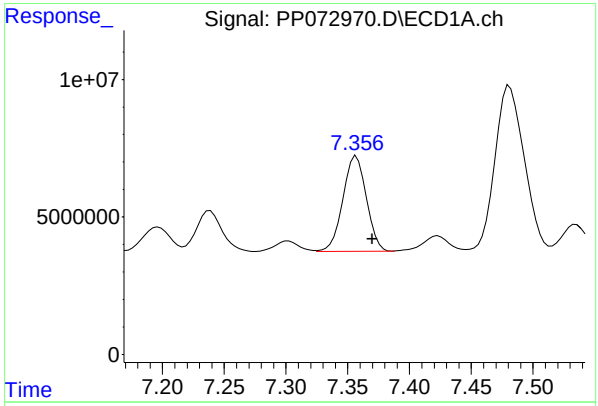
#28 AR-1254-3

R.T.: 7.077 min
Delta R.T.: -0.011 min
Response: 67862911
Conc: 514.10 ng/ml



#28 AR-1254-3

R.T.: 6.223 min
Delta R.T.: -0.014 min
Response: 79309573
Conc: 616.62 ng/ml



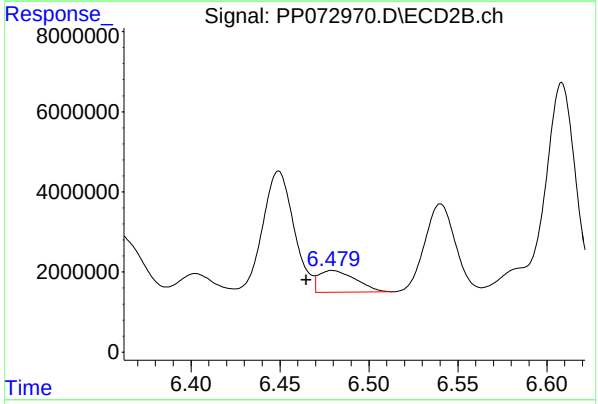
#29 AR-1254-4

R.T.: 7.357 min
Delta R.T.: -0.013 min
Response: 46034775
Conc: 352.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
WC

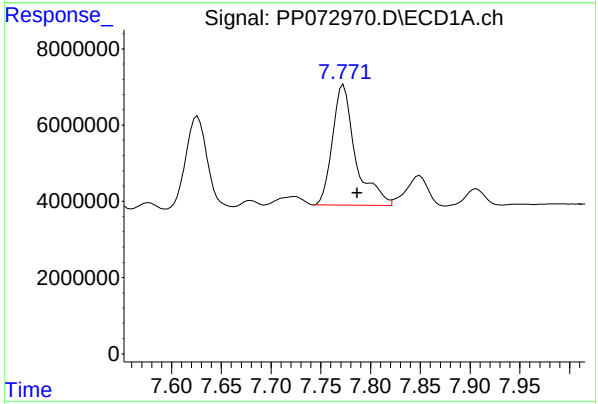
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



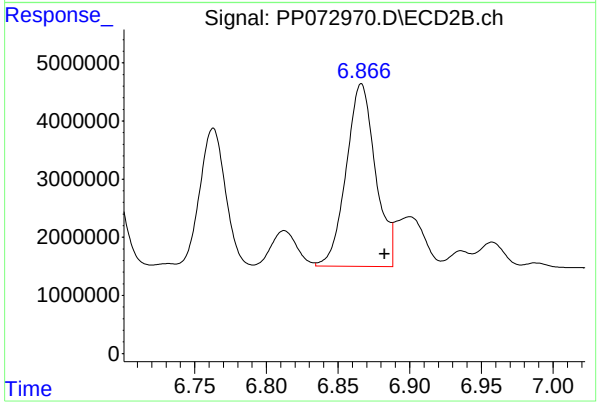
#29 AR-1254-4

R.T.: 6.480 min
Delta R.T.: 0.015 min
Response: 7751627
Conc: 90.88 ng/ml



#30 AR-1254-5

R.T.: 7.773 min
Delta R.T.: -0.014 min
Response: 50694198
Conc: 455.69 ng/ml



#30 AR-1254-5

R.T.: 6.866 min
Delta R.T.: -0.016 min
Response: 44719906
Conc: 394.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 16:42
Operator : YP\AJ
Sample : PB168483BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168483BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:48:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.497	3.791	39401406	34487207	19.595	21.577
2)	SA Decachlor...	10.188	8.799	30214623	25439524	18.547m	24.031m#
	Target Compounds						

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

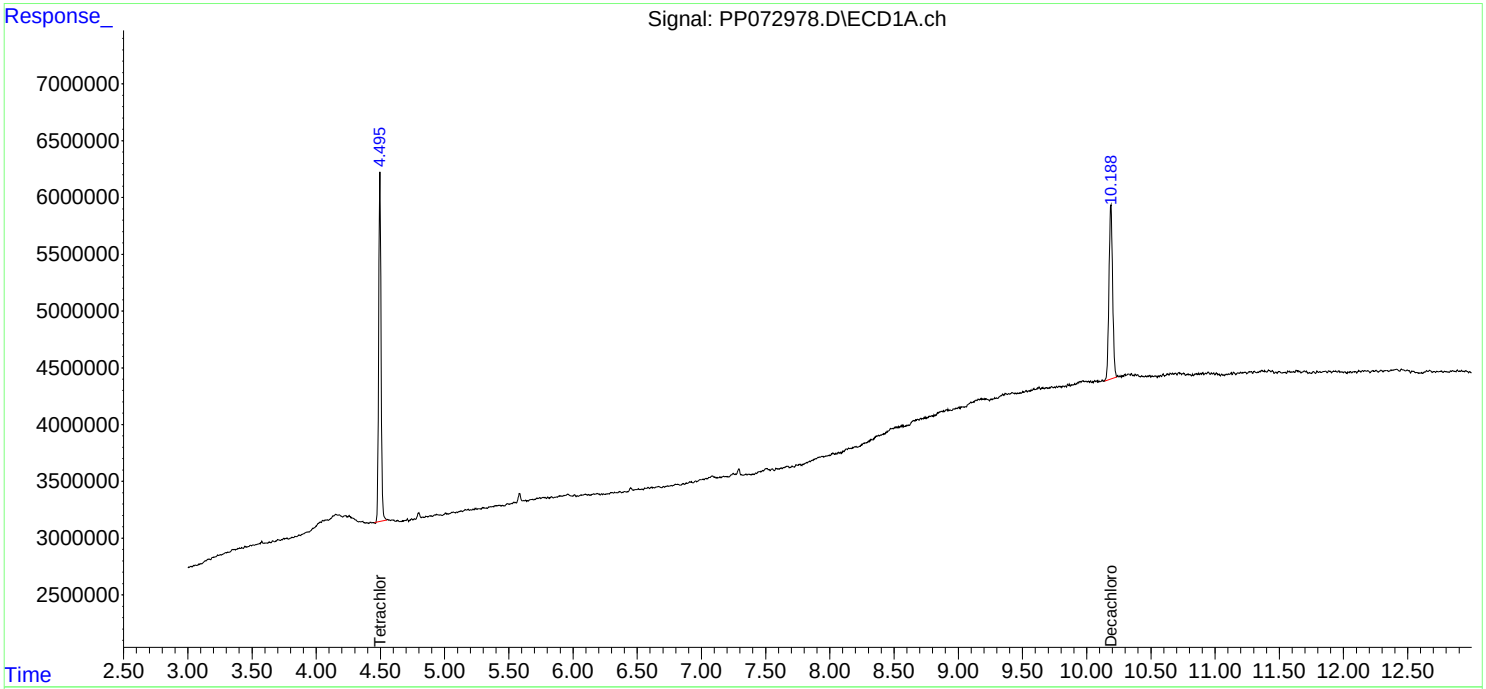
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 16:42
Operator : YP\AJ
Sample : PB168483BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

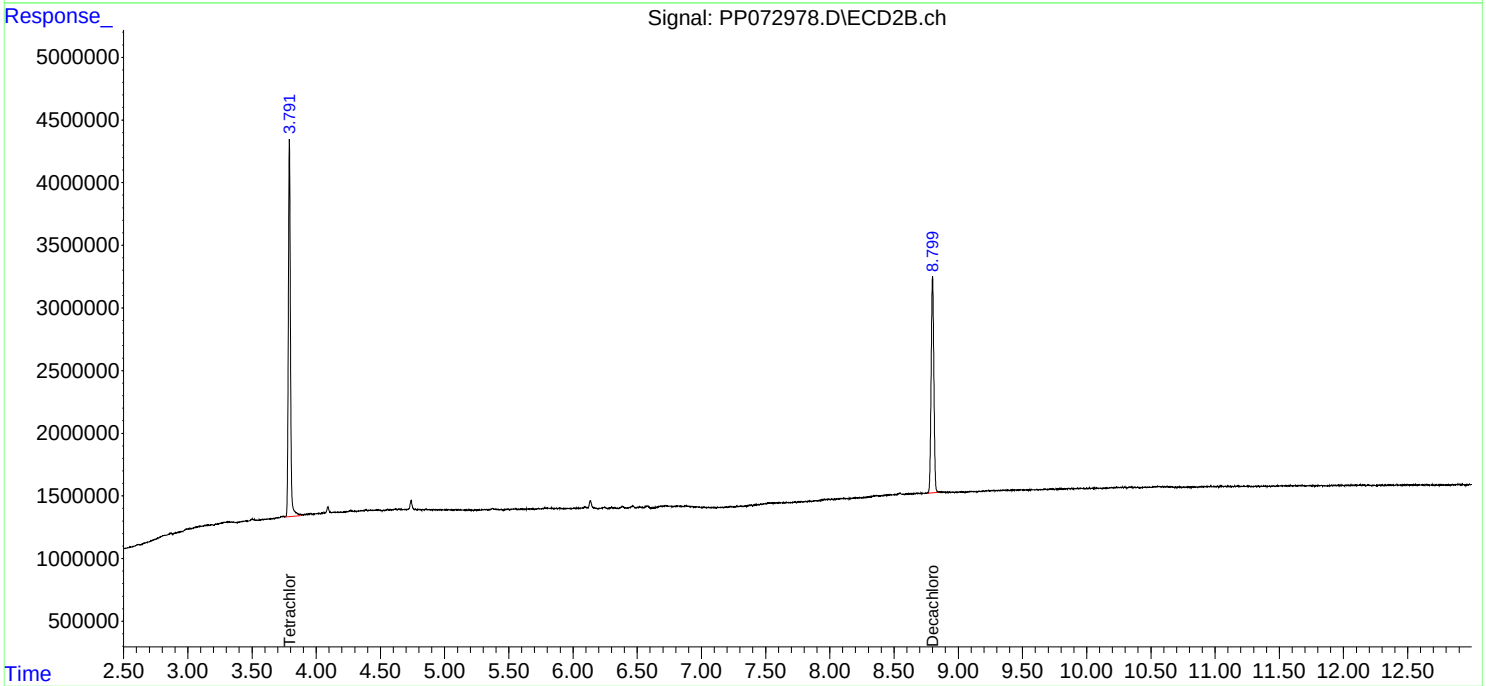
Instrument :
ECD_P
ClientSampleId :
PB168483BL

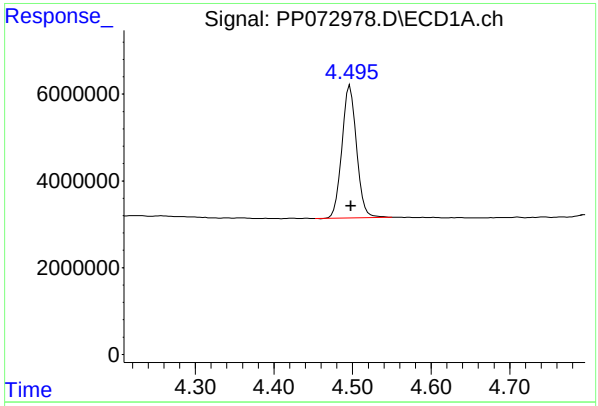
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:48:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







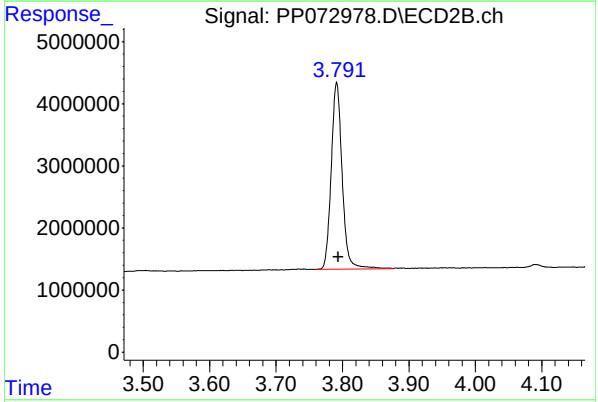
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
Delta R.T.: -0.001 min
Response: 39401406
Conc: 19.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168483BL

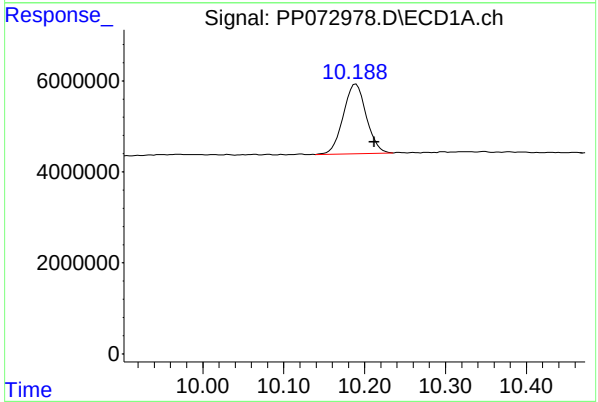
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



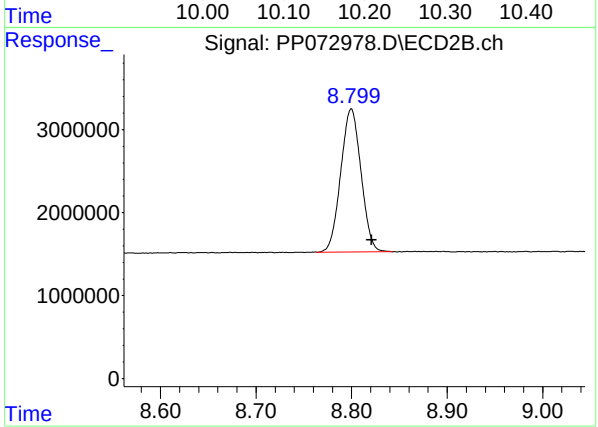
#1 Tetrachloro-m-xylene

R.T.: 3.791 min
Delta R.T.: -0.002 min
Response: 34487207
Conc: 21.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.188 min
Delta R.T.: -0.024 min
Response: 30214623
Conc: 18.55 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.799 min
Delta R.T.: -0.022 min
Response: 25439524
Conc: 24.03 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 12:12
Operator : YP\AJ
Sample : PB168483BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168483BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.498	3.792	39691977	31328881	19.739	19.601
2)	SA Decachlor...	10.190	8.800	33035154	26427778	20.278m	24.965m
	Target Compounds						
3)	L1 AR-1016-1	5.649	4.872	26067343	23454565	347.177	381.813
4)	L1 AR-1016-2	5.671	4.890	40673903	35239436	380.160	401.409
5)	L1 AR-1016-3	5.733	5.066	24824030	19118314	378.617	401.186
6)	L1 AR-1016-4	5.830	5.108	21165869	15408286	397.332	404.998
7)	L1 AR-1016-5	6.122	5.322	18122111	19262613	370.526	386.610
31)	L7 AR-1260-1	7.239	6.352	36696107	35609215	392.074	446.490
32)	L7 AR-1260-2	7.493	6.540	54652095	43823148	380.878	432.086
33)	L7 AR-1260-3	7.850	6.692	38184793	39947040	335.334	459.677m#
34)	L7 AR-1260-4	8.074	7.162	38694080	29247943	360.607	405.709
35)	L7 AR-1260-5	8.393	7.405	85017283	69070461	359.235	397.816

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

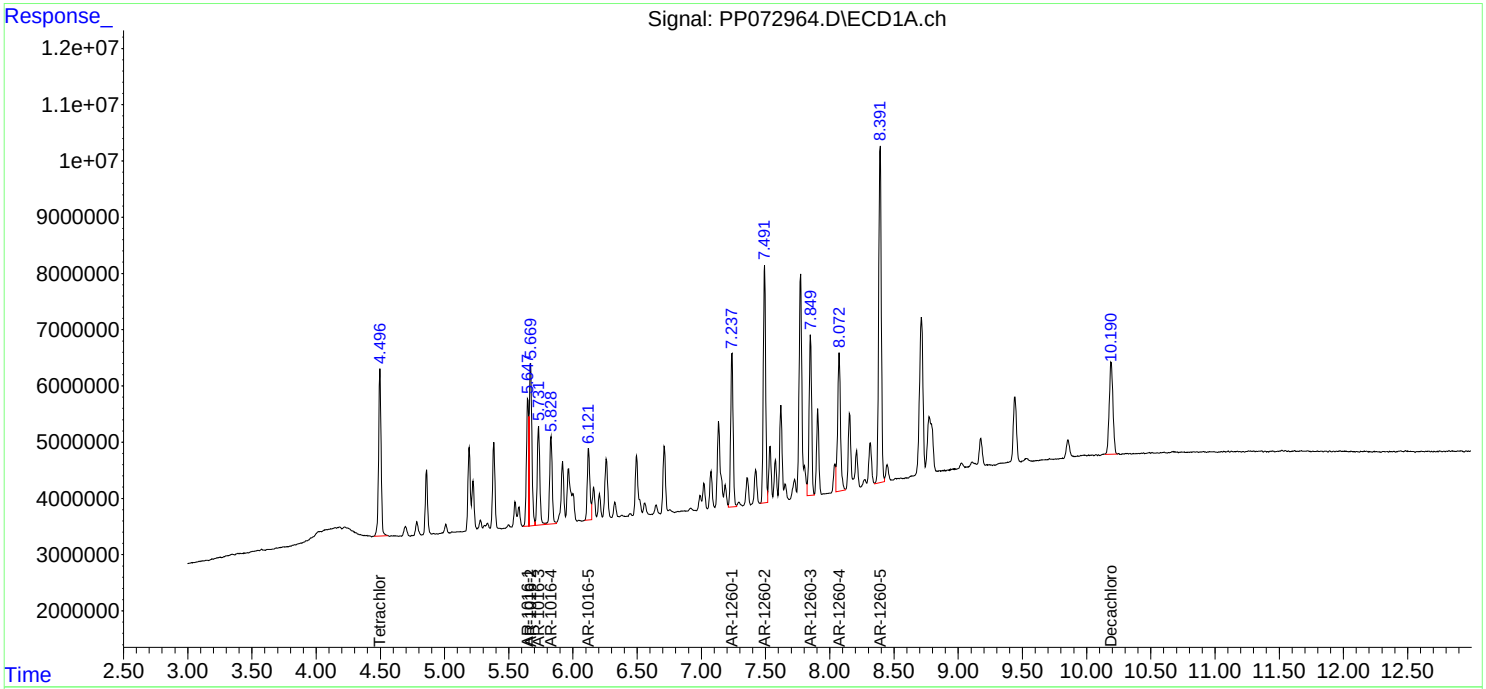
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 12:12
Operator : YP\AJ
Sample : PB168483BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

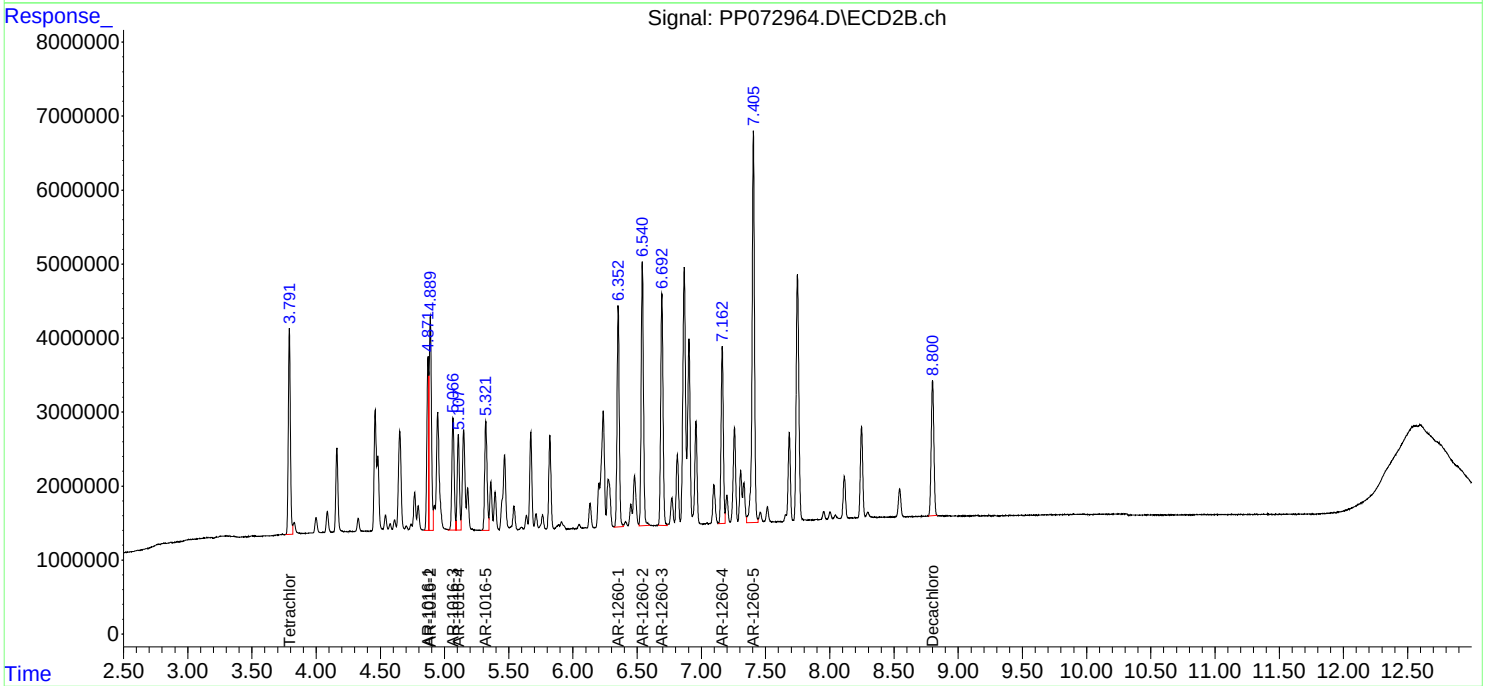
Instrument :
ECD_P
ClientSampleId :
PB168483BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:15
Operator : YP\AJ
Sample : Q2322-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
CL-01-061325MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:48:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.494	3.791	37245997	28567955	18.523m	17.873
2) SA	Decachlor...	10.188	8.800	22270800	19184851	13.670m	18.123m#
	Target Compounds						
3) L1	AR-1016-1	5.646	4.871	23062073	23148722	307.152	376.834
4) L1	AR-1016-2	5.668	4.888	35749603	32456446	334.134	369.708
5) L1	AR-1016-3	5.729	5.065	21409687	17642590	326.542	370.219
6) L1	AR-1016-4	5.827	5.107	20535816	14164562	385.504	372.308
7) L1	AR-1016-5	6.116	5.321	21484783	18121015	439.279m	363.697
31) L7	AR-1260-1	7.236	6.352	33904847	31173555	362.251	390.873
32) L7	AR-1260-2	7.489	6.540	51840755	35505985	361.286	350.081
33) L7	AR-1260-3	7.848	6.691	30765667	33200271	270.180	382.041m#
34) L7	AR-1260-4	8.070	7.162	34135596	26092606	318.125m	361.940
35) L7	AR-1260-5	8.389	7.404	69440177	58291100	293.415	335.732

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

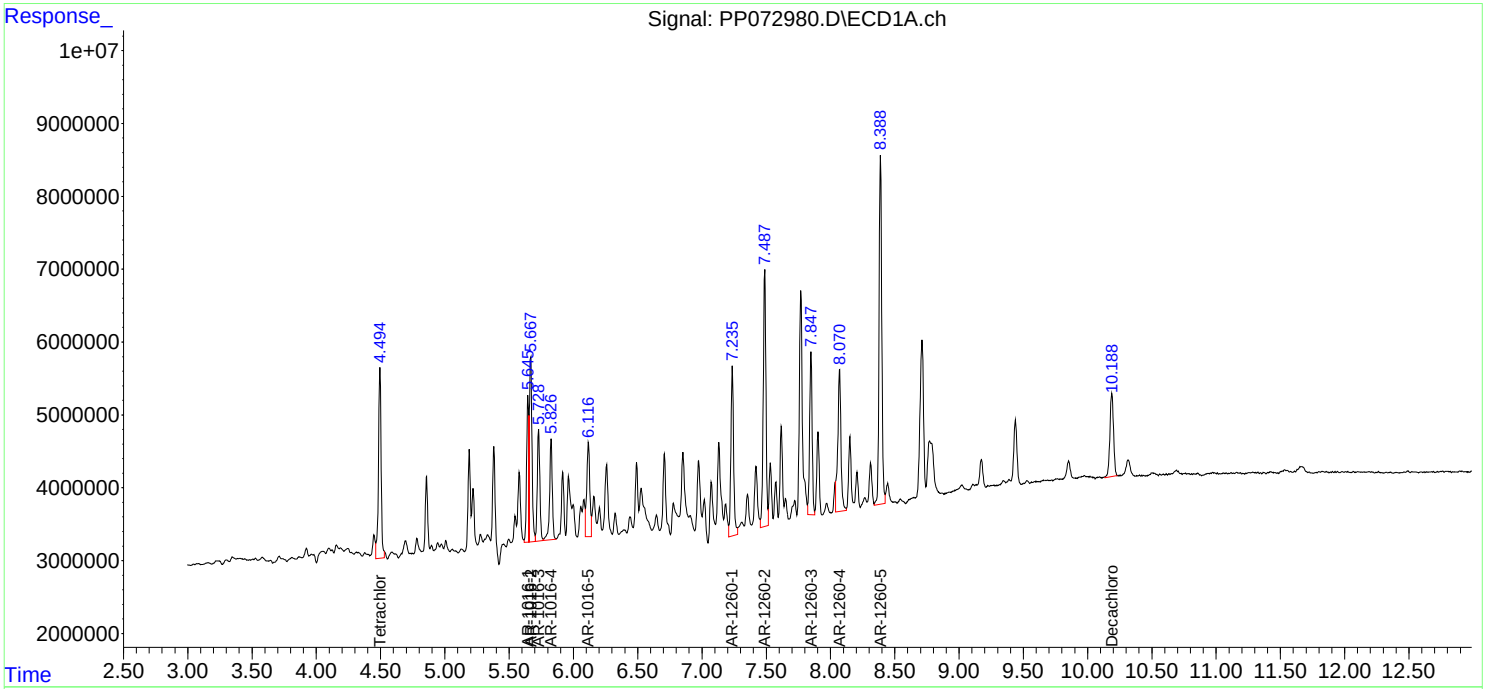
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:15
Operator : YP\AJ
Sample : Q2322-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

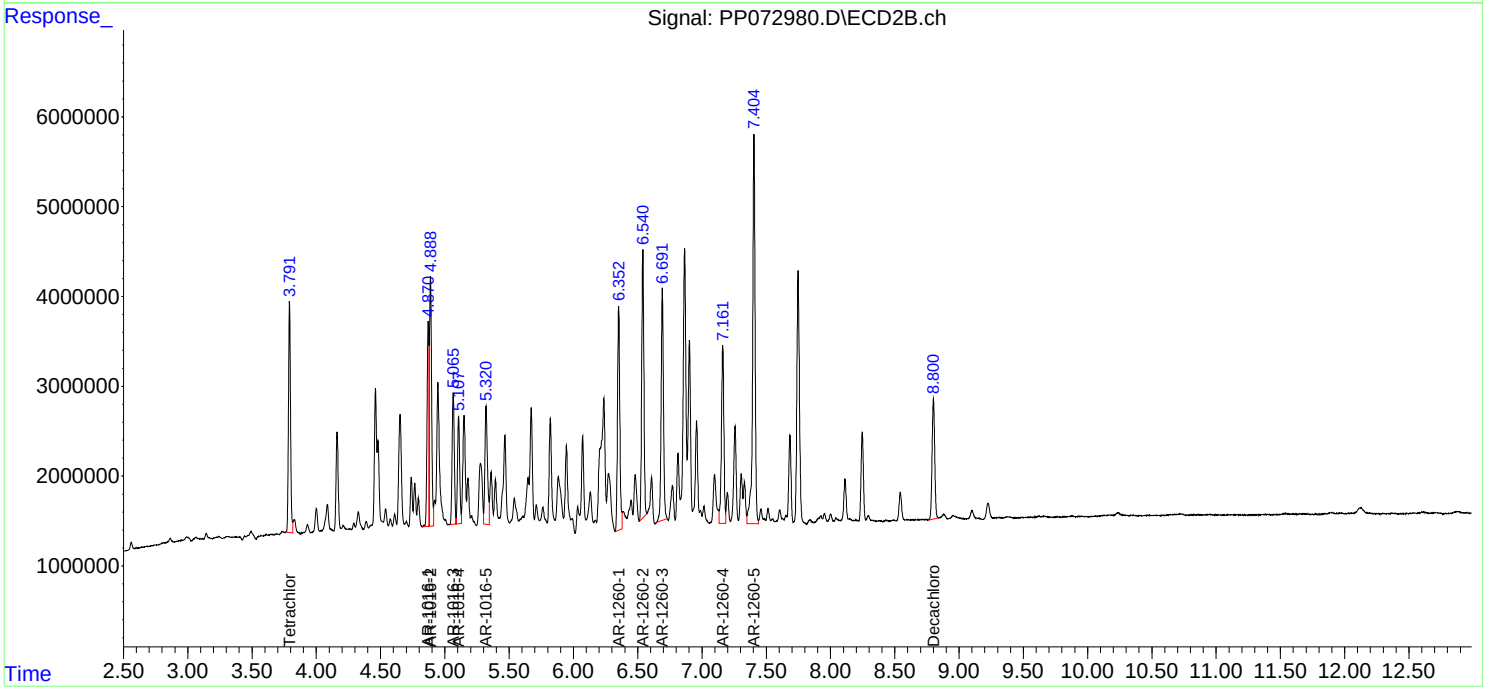
Instrument :
ECD_P
ClientSampleId :
CL-01-061325MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:48:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:32
Operator : YP\AJ
Sample : Q2322-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
CL-01-061325MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.495	3.790	39755139	34022465	19.771m	21.286
2)	SA Decachlor...	10.189	8.800	26753833	22777824	16.422m	21.517m#
	Target Compounds						
3)	L1 AR-1016-1	5.648	4.870	25692017	26394123	342.179	429.665 #
4)	L1 AR-1016-2	5.670	4.888	39176301	36241286	366.162	412.821
5)	L1 AR-1016-3	5.732	5.064	23976932	19815066	365.697	415.807
6)	L1 AR-1016-4	5.829	5.106	22073231	16138411	414.365	424.189
7)	L1 AR-1016-5	6.119	5.320	22246534	20397831	454.854m	409.394
31)	L7 AR-1260-1	7.238	6.351	37850787	37320171	404.411	467.943
32)	L7 AR-1260-2	7.492	6.539	53214191	40669657	370.857	400.994
33)	L7 AR-1260-3	7.850	6.691	32559917	36477965	285.937	419.758m#
34)	L7 AR-1260-4	8.072	7.161	36166469	27806434	337.051m	385.713
35)	L7 AR-1260-5	8.392	7.403	75307762	65814705	318.208	379.065

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

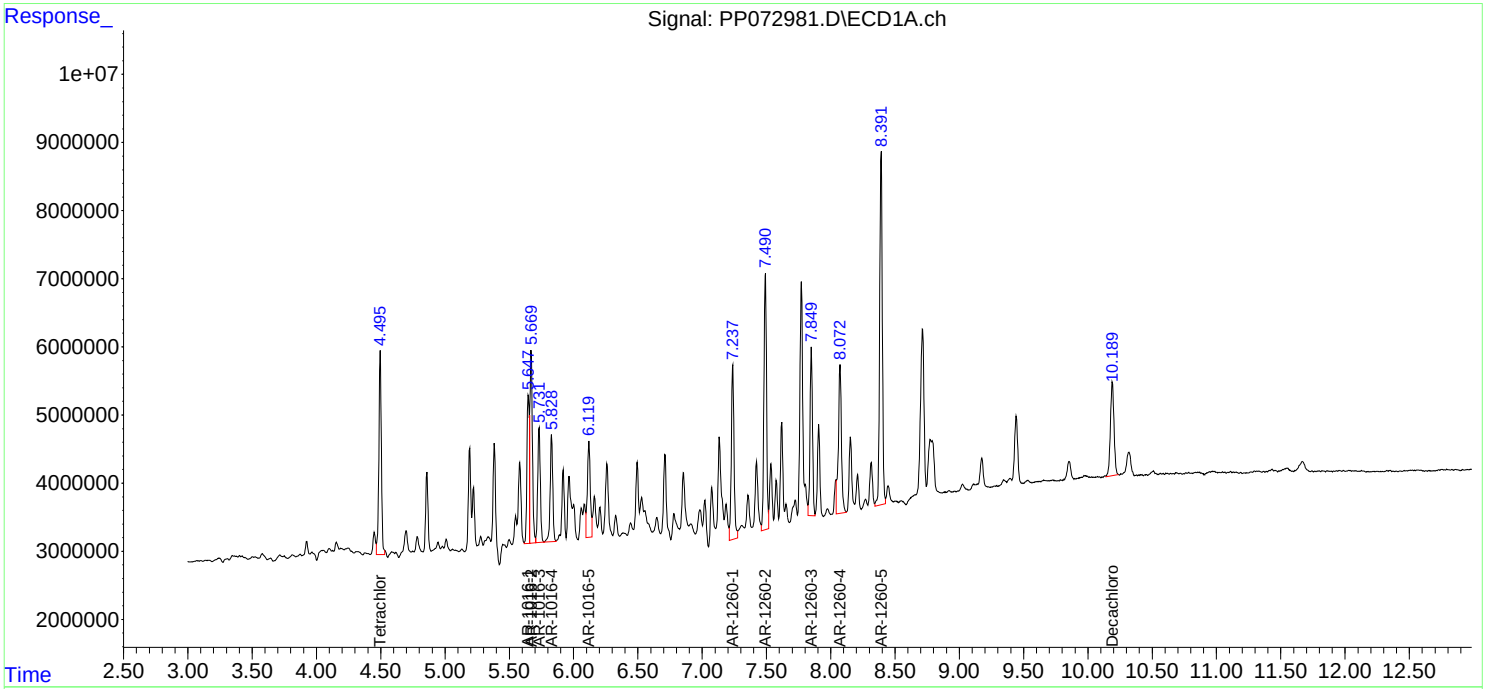
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP061625\
Data File : PP072981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:32
Operator : YP\AJ
Sample : Q2322-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

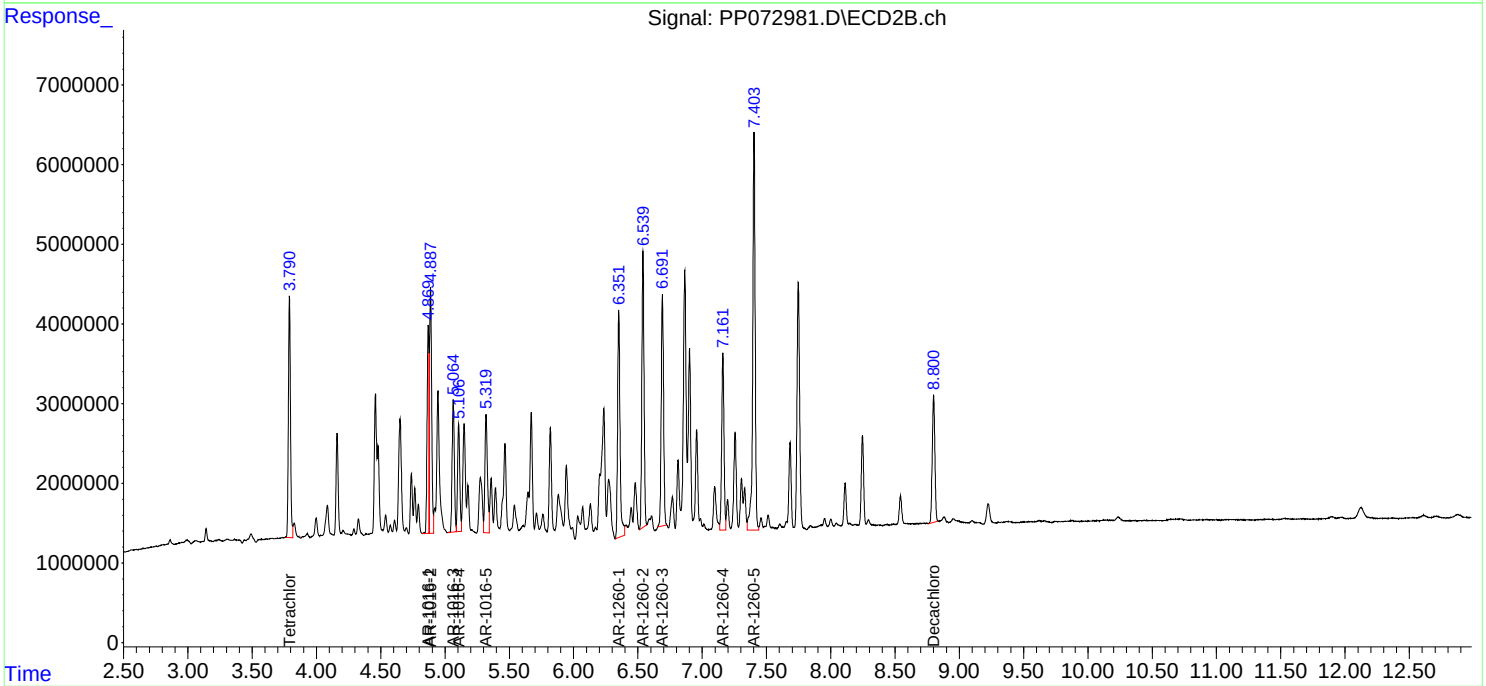
Instrument :
ECD_P
ClientSampleId :
CL-01-061325MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072958.D	AR-1260-3 #2	yogesh	6/17/2025 9:16:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072958.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072958.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072959.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:20 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072959.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:20 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072960.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:23 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072960.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:23 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072961.D	AR-1254-5	yogesh	6/17/2025 9:16:25 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072961.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:25 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072961.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:25 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072962.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:29 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072962.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:29 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
PB168483BS	PP072964.D	AR-1260-3 #2	yogesh	6/17/2025 9:16:33 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168483BS	PP072964.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:33 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
PB168483BS	PP072964.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:33 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2320-01	PP072970.D	AR-1248-1 #2	yogesh	6/17/2025 9:16:47 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2320-01	PP072970.D	AR-1248-3	yogesh	6/17/2025 9:16:47 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2320-01	PP072970.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:47 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2320-01	PP072970.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:47 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2320-01	PP072970.D	Tetrachloro-m-xylene	yogesh	6/17/2025 9:16:47 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	AR-1016-1	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	AR-1260-3	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	AR-1260-3 #2	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	AR-1260-4	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072973.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:55 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072974.D	AR-1242-1	yogesh	6/17/2025 9:16:57 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072974.D	AR-1242-1 #2	yogesh	6/17/2025 9:16:57 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072974.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:57 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072974.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:57 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072975.D	AR-1248-1	yogesh	6/17/2025 9:16:59 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072975.D	AR-1248-1 #2	yogesh	6/17/2025 9:16:59 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072975.D	Decachlorobiphenyl	yogesh	6/17/2025 9:16:59 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072975.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:16:59 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072976.D	AR-1254-1	yogesh	6/17/2025 9:17:01 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072976.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:01 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072976.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:01 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072977.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:45 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072977.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:45 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168483BL	PP072978.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:03 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
PB168483BL	PP072978.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:03 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	AR-1016-5	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	AR-1260-3 #2	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	AR-1260-4	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MS	PP072980.D	Tetrachloro-m-xylene	yogesh	6/17/2025 9:17:08 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MSD	PP072981.D	AR-1016-5	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MSD	PP072981.D	AR-1260-3 #2	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MSD	PP072981.D	AR-1260-4	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MSD	PP072981.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
Q2322-01MSD	PP072981.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2322-01MSD	PP072981.D	Tetrachloro-m-xylene	yogesh	6/17/2025 9:17:10 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072984.D	AR-1260-3 #2	yogesh	6/17/2025 9:17:16 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072984.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:16 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1660CCC500	PP072984.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:16 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072985.D	AR-1242-1 #2	yogesh	6/17/2025 9:17:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072985.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1242CCC500	PP072985.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:18 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072986.D	AR-1248-1	yogesh	6/17/2025 9:17:19 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072986.D	AR-1248-1 #2	yogesh	6/17/2025 9:17:19 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072986.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:19 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1248CCC500	PP072986.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:19 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072987.D	AR-1254-1	yogesh	6/17/2025 9:17:21 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072987.D	AR-1254-4 #2	yogesh	6/17/2025 9:17:21 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP061625	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072987.D	AR-1254-5	yogesh	6/17/2025 9:17:21 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072987.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:21 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
AR1254CCC500	PP072987.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:21 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072988.D	Decachlorobiphenyl	yogesh	6/17/2025 9:17:24 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software
I.BLK	PP072988.D	Decachlorobiphenyl #2	yogesh	6/17/2025 9:17:24 AM	mohammad	6/18/2025 1:49:18	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061625

Review By	yogesh	Review On	6/16/2025 11:04:46 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:18 AM		
SubDirectory	PP061625	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072957.D	16 Jun 2025 09:49	YP\AJ	Ok
2	AR1660CCC500	PP072958.D	16 Jun 2025 10:28	YP\AJ	Ok,M
3	AR1242CCC500	PP072959.D	16 Jun 2025 10:48	YP\AJ	Ok,M
4	AR1248CCC500	PP072960.D	16 Jun 2025 11:04	YP\AJ	Ok,M
5	AR1254CCC500	PP072961.D	16 Jun 2025 11:21	YP\AJ	Ok,M
6	I.BLK	PP072962.D	16 Jun 2025 11:37	YP\AJ	Ok,M
7	PB168483BL	PP072963.D	16 Jun 2025 11:56	YP\AJ	Not Ok
8	PB168483BS	PP072964.D	16 Jun 2025 12:12	YP\AJ	Ok,M
9	Q2328-01	PP072965.D	16 Jun 2025 12:28	YP\AJ	Ok,M
10	Q2311-01	PP072966.D	16 Jun 2025 12:44	YP\AJ	Ok,M
11	Q2311-05	PP072967.D	16 Jun 2025 13:01	YP\AJ	Ok,M
12	Q2312-01	PP072968.D	16 Jun 2025 13:17	YP\AJ	Not Ok
13	Q2319-01	PP072969.D	16 Jun 2025 13:33	YP\AJ	Ok,M
14	Q2320-01	PP072970.D	16 Jun 2025 13:49	YP\AJ	Ok,M
15	Q2323-01	PP072971.D	16 Jun 2025 14:05	YP\AJ	Ok,M
16	Q2324-01	PP072972.D	16 Jun 2025 14:22	YP\AJ	Ok,M
17	AR1660CCC500	PP072973.D	16 Jun 2025 15:21	YP\AJ	Ok,M
18	AR1242CCC500	PP072974.D	16 Jun 2025 15:37	YP\AJ	Ok,M
19	AR1248CCC500	PP072975.D	16 Jun 2025 15:54	YP\AJ	Ok,M
20	AR1254CCC500	PP072976.D	16 Jun 2025 16:10	YP\AJ	Ok,M
21	I.BLK	PP072977.D	16 Jun 2025 16:26	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061625

Review By	yogesh	Review On	6/16/2025 11:04:46 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:18 AM		
SubDirectory	PP061625	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168483BL	PP072978.D	16 Jun 2025 16:42	YP\AJ	Ok,M
23	Q2322-01	PP072979.D	16 Jun 2025 16:59	YP\AJ	Ok,M
24	Q2322-01MS	PP072980.D	16 Jun 2025 17:15	YP\AJ	Ok,M
25	Q2322-01MSD	PP072981.D	16 Jun 2025 17:32	YP\AJ	Ok,M
26	Q2325-01	PP072982.D	16 Jun 2025 17:48	YP\AJ	Ok,M
27	Q2312-01	PP072983.D	16 Jun 2025 18:04	YP\AJ	Ok,M
28	AR1660CCC500	PP072984.D	16 Jun 2025 19:15	YP\AJ	Ok,M
29	AR1242CCC500	PP072985.D	16 Jun 2025 19:48	YP\AJ	Ok,M
30	AR1248CCC500	PP072986.D	16 Jun 2025 20:05	YP\AJ	Ok,M
31	AR1254CCC500	PP072987.D	16 Jun 2025 20:21	YP\AJ	Ok,M
32	I.BLK	PP072988.D	16 Jun 2025 20:38	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YP\AJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YP\AJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YP\AJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YP\AJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061625

Review By	yogesh	Review On	6/16/2025 11:04:46 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:18 AM		
SubDirectory	PP061625	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072957.D	16 Jun 2025 09:49		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072958.D	16 Jun 2025 10:28		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072959.D	16 Jun 2025 10:48		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072960.D	16 Jun 2025 11:04		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072961.D	16 Jun 2025 11:21		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072962.D	16 Jun 2025 11:37		YP\AJ	Ok,M
7	PB168483BL	PB168483BL	PP072963.D	16 Jun 2025 11:56	Run with clean up sample	YP\AJ	Not Ok
8	PB168483BS	PB168483BS	PP072964.D	16 Jun 2025 12:12		YP\AJ	Ok,M
9	Q2328-01	CHRT25653	PP072965.D	16 Jun 2025 12:28	AR1254 + AR1260 Hit	YP\AJ	Ok,M
10	Q2311-01	TP03-MH2MH3-WC	PP072966.D	16 Jun 2025 12:44		YP\AJ	Ok,M
11	Q2311-05	TP04-MH4-WC	PP072967.D	16 Jun 2025 13:01		YP\AJ	Ok,M
12	Q2312-01	TP-1	PP072968.D	16 Jun 2025 13:17	Need cleanup	YP\AJ	Not Ok
13	Q2319-01	MH-B	PP072969.D	16 Jun 2025 13:33		YP\AJ	Ok,M
14	Q2320-01	WC	PP072970.D	16 Jun 2025 13:49	AR1254 + 1248 Hit	YP\AJ	Ok,M
15	Q2323-01	PL-01-06132025	PP072971.D	16 Jun 2025 14:05		YP\AJ	Ok,M
16	Q2324-01	HD-01-6132025	PP072972.D	16 Jun 2025 14:22		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072973.D	16 Jun 2025 15:21	AR1260 - 1,2 low in 1st column	YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072974.D	16 Jun 2025 15:37		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061625

Review By	yogesh	Review On	6/16/2025 11:04:46 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:18 AM		
SubDirectory	PP061625	HP Acquire Method		HP Processing Method	PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP072975.D	16 Jun 2025 15:54		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072976.D	16 Jun 2025 16:10		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP072977.D	16 Jun 2025 16:26		YP\AJ	Ok,M
22	PB168483BL	PB168483BL	PP072978.D	16 Jun 2025 16:42		YP\AJ	Ok,M
23	Q2322-01	CL-01-061325	PP072979.D	16 Jun 2025 16:59		YP\AJ	Ok,M
24	Q2322-01MS	CL-01-061325MS	PP072980.D	16 Jun 2025 17:15		YP\AJ	Ok,M
25	Q2322-01MSD	CL-01-061325MSD	PP072981.D	16 Jun 2025 17:32		YP\AJ	Ok,M
26	Q2325-01	TP-8	PP072982.D	16 Jun 2025 17:48		YP\AJ	Ok,M
27	Q2312-01	TP-1	PP072983.D	16 Jun 2025 18:04		YP\AJ	Ok,M
28	AR1660CCC500	AR1660CCC500	PP072984.D	16 Jun 2025 19:15	DCB high in 2nd column	YP\AJ	Ok,M
29	AR1242CCC500	AR1242CCC500	PP072985.D	16 Jun 2025 19:48		YP\AJ	Ok,M
30	AR1248CCC500	AR1248CCC500	PP072986.D	16 Jun 2025 20:05	DCB high in 2nd column	YP\AJ	Ok,M
31	AR1254CCC500	AR1254CCC500	PP072987.D	16 Jun 2025 20:21	DCB high in 2nd column	YP\AJ	Ok,M
32	I.BLK	I.BLK	PP072988.D	16 Jun 2025 20:38		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168483

6

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	**Extraction Start Date :**	06/16/2025
Matrix :	Solid	**Extraction Start Time :**	08:25
Weigh By:	EH	**Extraction By:** RJ	**Extraction End Date :** 06/16/2025
Balance check:	RJ	**Filter By:** RJ	**Extraction End Time :** 11:25
Balance ID:	EX-SC-2	**pH Meter ID:** N/A	**Concentration By:** EH
pH Strip Lot#:	N/A	**Hood ID:** 3,7	**Supervisor By :** RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/16/25	RS (Ext lab)	YP PEST PUB
11:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168483

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/16/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168483BL	ABLK483	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168483BS	ALCS483	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2311-01	TP03-MH2MH3-WC	PCB	30.07	N/A	ritesh	Evelyn	10	D		3
Q2311-05	TP04-MH2MH3-WC	PCB	30.06	N/A	ritesh	Evelyn	10	D		4
Q2312-01	TP-1	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q2319-01	MH-B	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q2320-01	WC	PCB	30.04	N/A	ritesh	Evelyn	10	B		U2-1
Q2322-01	CL-01-061325	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q2322-01MS	CL-01-061325MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
Q2322-01MSD	CL-01-061325MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q2323-01	PL-01-06132025	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q2324-01	HD-01-6132025	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q2325-01	TP-8	PCB	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q2328-01	CHRT25653	PCB	30.07	N/A	ritesh	Evelyn	10	E		2

RS 6/16

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2311 **WorkList ID :** 190201 **Department :** Extraction **Date :** 06-16-2025 08:20:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2311-01	TP03-MH2MH3-WC	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/11/2025	8082A
Q2311-05	TP04-MH2MH3-WC	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/11/2025	8082A
Q2312-01	TP-1	Solid	PCB	Cool 4 deg C	PSEG03	D51	06/13/2025	8082A
Q2319-01	MH-B	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/13/2025	8082A
Q2320-01	WC	Solid	PCB	Cool 4 deg C	FIRS02	D41	06/13/2025	8082A
Q2322-01	CL-01-061325	Solid	PCB	Cool 4 deg C	PSEG05	D41	06/13/2025	8082A
Q2323-01	PL-01-06132025	Solid	PCB	Cool 4 deg C	PSEG05	D41	06/13/2025	8082A
Q2324-01	HD-01-6132025	Solid	PCB	Cool 4 deg C	PSEG05	D41	06/13/2025	8082A
Q2325-01	TP-8	Solid	PCB	Cool 4 deg C	PSEG03	D51	06/13/2025	8082A
Q2328-01	CHRT25653	Solid	PCB	Cool 4 deg C	PSEG03	D51	06/13/2025	8082A

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Date/Time 06/16/25 8:20
Raw Sample Received by: RJ (LZA-lab)
Raw Sample Relinquished by: CR SM

Date/Time 06/16/25 8:45
Raw Sample Received by: CR SM
Raw Sample Relinquished by: RJ (LZA-lab)

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LAB CHRONICLE

OrderID:	Q2320	**OrderDate:**	6/13/2025 12:11:26 PM
Client:	First Environment, Inc.	**Project:**	EDGEW001 – Veterans Field Edgewater, NJ
Contact:	Ken Cwieka	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2320-01	**WC**	**SOIL**			**06/13/25**			**06/13/25**
			PCB	8082A		06/16/25	06/16/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2320 **Order ID:** Q2320

Client: First Environment, Inc. **Project ID:** EDGEW001 – Veterans Field Edgewater, N

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC								
Q2320-01	WC	TCLP	Barium	1390		72.8	500	ug/L
Q2320-01	WC	TCLP	Cadmium	6.71	J	2.50	30.0	ug/L
Q2320-01	WC	TCLP	Lead	66.4		11.5	60.0	ug/L
Q2320-01	WC	TCLP	Mercury	6.03		0.76	2.00	ug/L

SAMPLE DATA

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	WC	SDG No.:	Q2320
Lab Sample ID:	Q2320-01	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7440-39-3	Barium	1390	N	1	72.8	500	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7440-43-9	Cadmium	6.71	J	1	2.50	30.0	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7439-92-1	Lead	66.4		1	11.5	60.0	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7439-97-6	Mercury	6.03		1	0.76	2.00	ug/L	06/17/25 14:40	06/18/25 11:18	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/17/25 12:30	06/19/25 18:34	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB43	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	10:39	LB136181

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	10:44	LB136181
CCB58	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	11:23	LB136181
CCB59	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	12:00	LB136181
CCB60	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	12:28	LB136181
CCB61	Mercury	0.076	+/-0.2	U	0.20	CV	06/18/2025	12:51	LB136181

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	15:01	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	15:01	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	15:01	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	15:01	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	15:01	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	15:01	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	15:01	LB136210

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	15:43	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	15:43	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	15:43	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	15:43	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	15:43	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	15:43	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	15:43	LB136210
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	16:35	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	16:35	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	16:35	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	16:35	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	16:35	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	16:35	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	16:35	LB136210
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	16:48	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	16:48	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	16:48	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	16:48	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	16:48	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	16:48	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	16:48	LB136210
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	17:36	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	17:36	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	17:36	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	17:36	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	17:36	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	17:36	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	17:36	LB136210
CCB05	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	18:29	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	18:29	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	18:29	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	18:29	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	18:29	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	18:29	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	18:29	LB136210
CCB06	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	19:23	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	19:23	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	19:23	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	19:23	LB136210

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	06/19/2025	19:23	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	19:23	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	19:23	LB136210
CCB07	Arsenic	5.12	+/-10	U	20.0	P	06/19/2025	19:58	LB136210
	Barium	14.6	+/-50	U	100	P	06/19/2025	19:58	LB136210
	Cadmium	0.50	+/-3	U	6.00	P	06/19/2025	19:58	LB136210
	Chromium	2.12	+/-5	U	10.0	P	06/19/2025	19:58	LB136210
	Lead	2.30	+/-6	U	12.0	P	06/19/2025	19:58	LB136210
	Selenium	9.64	+/-10	U	20.0	P	06/19/2025	19:58	LB136210
	Silver	1.62	+/-5	U	10.0	P	06/19/2025	19:58	LB136210

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168497TB		**WATER**		**Batch Number:**	**PB168519**		**Prep Date:**	**06/17/2025**	
	Mercury	0.76	<2	U	2.00	CV	06/18/2025	12:10	LB136181
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB168519BL		**WATER**		**Batch Number:**	**PB168519**		**Prep Date:**	**06/17/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	06/18/2025	10:53	LB136181

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168497TB		**WATER**		**Batch Number:**	**PB168518**		**Prep Date:**	**06/17/2025**	
	Arsenic	25.6	<50	U	100	P	06/19/2025	19:05	LB136210
	Barium	72.8	<250	U	500	P	06/19/2025	19:05	LB136210
	Cadmium	2.50	<15	U	30.0	P	06/19/2025	19:05	LB136210
	Chromium	10.6	<25	U	50.0	P	06/19/2025	19:05	LB136210
	Lead	11.5	<30	U	60.0	P	06/19/2025	19:05	LB136210
	Selenium	48.2	<50	U	100	P	06/19/2025	19:05	LB136210
	Silver	8.10	<25	U	50.0	P	06/19/2025	19:05	LB136210

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168518BL		**WATER**		**Batch Number:**	**PB168518**		**Prep Date:**	**06/17/2025**	
	Arsenic	25.6	<50	U	100	P	06/19/2025	18:07	LB136210
	Barium	72.8	<250	U	500	P	06/19/2025	18:07	LB136210
	Cadmium	2.50	<15	U	30.0	P	06/19/2025	18:07	LB136210
	Chromium	10.6	<25	U	50.0	P	06/19/2025	18:07	LB136210
	Lead	11.5	<30	U	60.0	P	06/19/2025	18:07	LB136210
	Selenium	48.2	<50	U	100	P	06/19/2025	18:07	LB136210
	Silver	8.10	<25	U	50.0	P	06/19/2025	18:07	LB136210

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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
ICV43	Mercury	3.75	4.0	94	90 - 110	CV	06/18/2025	10:37	LB136181

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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
CCV57	Mercury	4.55	5.0	91	90 - 110	CV	06/18/2025	10:42	LB136181
CCV58	Mercury	5.39	5.0	108	90 - 110	CV	06/18/2025	11:21	LB136181
CCV59	Mercury	4.71	5.0	94	90 - 110	CV	06/18/2025	11:57	LB136181
CCV60	Mercury	5.20	5.0	104	90 - 110	CV	06/18/2025	12:26	LB136181
CCV61	Mercury	5.01	5.0	100	90 - 110	CV	06/18/2025	12:49	LB136181

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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	3790	4000	95	90 - 110	P	06/19/2025	14:45	LB136210
	Barium	7870	8000	98	90 - 110	P	06/19/2025	14:45	LB136210
	Cadmium	1940	2000	97	90 - 110	P	06/19/2025	14:45	LB136210
	Chromium	809	800	101	90 - 110	P	06/19/2025	14:45	LB136210
	Lead	3830	4000	96	90 - 110	P	06/19/2025	14:45	LB136210
	Selenium	4020	4000	100	90 - 110	P	06/19/2025	14:45	LB136210
	Silver	949	1000	95	90 - 110	P	06/19/2025	14:45	LB136210

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	17.7	20.0	88	80 - 120	P	06/19/2025	14:57	LB136210
	Barium	97.3	100	97	80 - 120	P	06/19/2025	14:57	LB136210
	Cadmium	5.53	6.0	92	80 - 120	P	06/19/2025	14:57	LB136210
	Chromium	9.21	10.0	92	80 - 120	P	06/19/2025	14:57	LB136210
	Lead	10.8	12.0	90	80 - 120	P	06/19/2025	14:57	LB136210
	Selenium	21.8	20.0	109	80 - 120	P	06/19/2025	14:57	LB136210
	Silver	9.40	10.0	94	80 - 120	P	06/19/2025	14:57	LB136210

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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	4860	5000	97	90 - 110	P	06/19/2025	15:33	LB136210
	Barium	10000	10000	100	90 - 110	P	06/19/2025	15:33	LB136210
	Cadmium	2470	2500	99	90 - 110	P	06/19/2025	15:33	LB136210
	Chromium	1000	1000	100	90 - 110	P	06/19/2025	15:33	LB136210
	Lead	4880	5000	98	90 - 110	P	06/19/2025	15:33	LB136210
	Selenium	4990	5000	100	90 - 110	P	06/19/2025	15:33	LB136210
	Silver	1250	1250	100	90 - 110	P	06/19/2025	15:33	LB136210
CCV02	Arsenic	4870	5000	98	90 - 110	P	06/19/2025	16:31	LB136210
	Barium	10700	10000	107	90 - 110	P	06/19/2025	16:31	LB136210
	Cadmium	2480	2500	99	90 - 110	P	06/19/2025	16:31	LB136210
	Chromium	1020	1000	102	90 - 110	P	06/19/2025	16:31	LB136210
	Lead	4910	5000	98	90 - 110	P	06/19/2025	16:31	LB136210
	Selenium	5020	5000	100	90 - 110	P	06/19/2025	16:31	LB136210
	Silver	1280	1250	102	90 - 110	P	06/19/2025	16:31	LB136210
CCV03	Arsenic	5010	5000	100	90 - 110	P	06/19/2025	16:44	LB136210
	Barium	10300	10000	103	90 - 110	P	06/19/2025	16:44	LB136210
	Cadmium	2540	2500	102	90 - 110	P	06/19/2025	16:44	LB136210
	Chromium	1030	1000	103	90 - 110	P	06/19/2025	16:44	LB136210
	Lead	5040	5000	101	90 - 110	P	06/19/2025	16:44	LB136210
	Selenium	5160	5000	103	90 - 110	P	06/19/2025	16:44	LB136210
	Silver	1280	1250	103	90 - 110	P	06/19/2025	16:44	LB136210
CCV04	Arsenic	4860	5000	97	90 - 110	P	06/19/2025	17:32	LB136210
	Barium	9970	10000	100	90 - 110	P	06/19/2025	17:32	LB136210
	Cadmium	2460	2500	98	90 - 110	P	06/19/2025	17:32	LB136210
	Chromium	997	1000	100	90 - 110	P	06/19/2025	17:32	LB136210
	Lead	4900	5000	98	90 - 110	P	06/19/2025	17:32	LB136210
	Selenium	5010	5000	100	90 - 110	P	06/19/2025	17:32	LB136210
	Silver	1240	1250	100	90 - 110	P	06/19/2025	17:32	LB136210
CCV05	Arsenic	4900	5000	98	90 - 110	P	06/19/2025	18:25	LB136210
	Barium	10100	10000	101	90 - 110	P	06/19/2025	18:25	LB136210
	Cadmium	2470	2500	99	90 - 110	P	06/19/2025	18:25	LB136210
	Chromium	1010	1000	101	90 - 110	P	06/19/2025	18:25	LB136210
	Lead	4920	5000	98	90 - 110	P	06/19/2025	18:25	LB136210
	Selenium	5040	5000	101	90 - 110	P	06/19/2025	18:25	LB136210

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1250	1250	100	90 - 110	P	06/19/2025	18:25	LB136210
CCV06	Arsenic	4860	5000	97	90 - 110	P	06/19/2025	19:19	LB136210
	Barium	10200	10000	102	90 - 110	P	06/19/2025	19:19	LB136210
	Cadmium	2440	2500	98	90 - 110	P	06/19/2025	19:19	LB136210
	Chromium	1000	1000	100	90 - 110	P	06/19/2025	19:19	LB136210
	Lead	4900	5000	98	90 - 110	P	06/19/2025	19:19	LB136210
	Selenium	5000	5000	100	90 - 110	P	06/19/2025	19:19	LB136210
	Silver	1240	1250	100	90 - 110	P	06/19/2025	19:19	LB136210
CCV07	Arsenic	4860	5000	97	90 - 110	P	06/19/2025	19:53	LB136210
	Barium	10200	10000	102	90 - 110	P	06/19/2025	19:53	LB136210
	Cadmium	2430	2500	97	90 - 110	P	06/19/2025	19:53	LB136210
	Chromium	1000	1000	100	90 - 110	P	06/19/2025	19:53	LB136210
	Lead	4900	5000	98	90 - 110	P	06/19/2025	19:53	LB136210
	Selenium	4990	5000	100	90 - 110	P	06/19/2025	19:53	LB136210
	Silver	1250	1250	100	90 - 110	P	06/19/2025	19:53	LB136210

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Metals

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CRDL STANDARD FOR AA & ICP

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	103	70 - 130	CV	06/18/2025	10:46	LB136181
CRI01	Arsenic	19.0	20.0	95	65 - 135	P	06/19/2025	15:06	LB136210
	Barium	97.8	100	98	65 - 135	P	06/19/2025	15:06	LB136210
	Cadmium	5.58	6.0	93	65 - 135	P	06/19/2025	15:06	LB136210
	Chromium	9.17	10.0	92	65 - 135	P	06/19/2025	15:06	LB136210
	Lead	10.2	12.0	85	65 - 135	P	06/19/2025	15:06	LB136210
	Selenium	22.0	20.0	110	65 - 135	P	06/19/2025	15:06	LB136210
	Silver	8.80	10.0	88	65 - 135	P	06/19/2025	15:06	LB136210

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INTERFERENCE CHECK SAMPLE

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

ICS Source: EPA **Instrument ID:** P5

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	5.22			-20	20	06/19/2025	15:10	LB136210
	Barium	7.66	6.0	128	-94	106	06/19/2025	15:10	LB136210
	Cadmium	-0.083	1.0	8	-5	7	06/19/2025	15:10	LB136210
	Chromium	49.3	52.0	95	42	62	06/19/2025	15:10	LB136210
	Lead	6.98			-12	12	06/19/2025	15:10	LB136210
	Selenium	5.31			-20	20	06/19/2025	15:10	LB136210
	Silver	6.66			-10	10	06/19/2025	15:10	LB136210
ICSAB01	Arsenic	93.7	100	94	88.4	120	06/19/2025	15:16	LB136210
	Barium	516	540	96	437	637	06/19/2025	15:16	LB136210
	Cadmium	995	970	103	826	1120	06/19/2025	15:16	LB136210
	Chromium	562	540	104	460	624	06/19/2025	15:16	LB136210
	Lead	51.1	49.0	104	37	61	06/19/2025	15:16	LB136210
	Selenium	50.4	46.0	110	26	66	06/19/2025	15:16	LB136210
	Silver	222	200	111	170	232	06/19/2025	15:16	LB136210

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: First Environment, Inc. **level:** low **sdg no.:** Q2320

contract: FIRS02 **lab code:** CHEM **case no.:** Q2320 **sas no.:** Q2320

matrix: Water **sample id:** Q2325-04 **client id:** TP-8MS

Percent Solids for Sample: NA **Spiked ID:** Q2325-04MS **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	4320		100	U	4000	108		P
Barium	ug/L	75 - 125	3990		2720		1000	127	N	P
Cadmium	ug/L	75 - 125	1080		30.0	U	1000	108		P
Chromium	ug/L	75 - 125	2170		50.0	U	2000	108		P
Lead	ug/L	75 - 125	5410		295		5000	102		P
Mercury	ug/L	75 - 125	40.8		1.70	J	40.0	98		CV
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	385		50.0	U	380	103		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: First Environment, Inc. **level:** low **sdg no.:** Q2320

contract: FIRS02 **lab code:** CHEM **case no.:** Q2320 **sas no.:** Q2320

matrix: Water **sample id:** Q2325-04 **client id:** TP-8MSD

Percent Solids for Sample: NA **Spiked ID:** Q2325-04MSD **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	3990		100	U	4000	100		P
Barium	ug/L	75 - 125	3260		2720		1000	54	N	P
Cadmium	ug/L	75 - 125	1010		30.0	U	1000	101		P
Chromium	ug/L	75 - 125	2030		50.0	U	2000	102		P
Lead	ug/L	75 - 125	5010		295		5000	94		P
Mercury	ug/L	75 - 125	39.8		1.70	J	40.0	95		CV
Selenium	ug/L	75 - 125	9800		100	U	10000	98		P
Silver	ug/L	75 - 125	359		50.0	U	380	96		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Matrix: Water **Level:** LOW **Client ID:** TP-8A

Sample ID: Q2325-04 **Spiked ID:** Q2325-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	3490		2720		1000	76		P

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DUPLICATE SAMPLE SUMMARY

Client: First Environment, Inc. **Level:** LOW **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Matrix: Water **Sample ID:** Q2325-04 **Client ID:** TP-8DUP

Percent Solids for Sample: NA **Duplicate ID** Q2325-04DUP **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	2720		2320		16		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	295		251		16		P
Mercury	ug/L	20	1.70	J	1.43	J	17		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: First Environment, Inc. **Level:** LOW **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Matrix: Water **Sample ID:** Q2325-04MS **Client ID:** TP-8MSD

Percent Solids for Sample: NA **Duplicate ID** Q2325-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4320		3990		8		P
Barium	ug/L	20	3990		3260		20		P
Cadmium	ug/L	20	1080		1010		7		P
Chromium	ug/L	20	2170		2030		7		P
Lead	ug/L	20	5410		5010		8		P
Mercury	ug/L	20	40.8		39.8		2		CV
Selenium	ug/L	20	10500		9800		7		P
Silver	ug/L	20	385		359		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168518BS							
Arsenic	ug/L	4000	3560		89	80 - 120	P
Barium	ug/L	1000	1020		102	80 - 120	P
Cadmium	ug/L	1000	939		94	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Lead	ug/L	5000	4700		94	80 - 120	P
Selenium	ug/L	10000	9960		100	80 - 120	P
Silver	ug/L	380	368		97	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168519BS							
Mercury	ug/L	4.0	3.66		92	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-8L

Lab Name: Chemtech Consulting Group **Contract:** FIRS02

Lab Code: CHEM **Lb No.:** lb136210 **Lab Sample ID :** Q2325-04L **SDG No.:** Q2320

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	2720		2570		6		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	295		278	J	6		P
Mercury	1.70	J	10.0	U	100.0		CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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ANALYSIS RUN LOG

Client: First Environment, Inc. **Contract:** FIRS02

Lab code: CHEM **Case no.:** Q2320 **Sas no.:** Q2320 **Sdg no.:** Q2320

Instrument id number: **Method:** **Run number:** LB136181

Start date: 06/18/2025 **End date:** 06/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1020	HG
S0.2	S0.2	1	1025	HG
S2.5	S2.5	1	1027	HG
S5	S5	1	1030	HG
S7.5	S7.5	1	1032	HG
S10	S10	1	1034	HG
ICV43	ICV43	1	1037	HG
ICB43	ICB43	1	1039	HG
CCV57	CCV57	1	1042	HG
CCB57	CCB57	1	1044	HG
CRA	CRA	1	1046	HG
PB168519BL	PB168519BL	1	1053	HG
PB168519BS	PB168519BS	1	1055	HG
Q2320-01	WC	1	1118	HG
CCV58	CCV58	1	1121	HG
CCB58	CCB58	1	1123	HG
Q2325-04DUP	TP-8DUP	1	1130	HG
Q2325-04MS	TP-8MS	1	1133	HG
Q2325-04MSD	TP-8MSD	1	1135	HG
CCV59	CCV59	1	1157	HG
CCB59	CCB59	1	1200	HG
PB168497TB	PB168497TB	1	1210	HG
Q2325-04L	TP-8L	5	1213	HG
CCV60	CCV60	1	1226	HG
CCB60	CCB60	1	1228	HG
CCV61	CCV61	1	1249	HG
CCB61	CCB61	1	1251	HG

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ANALYSIS RUN LOG

Client: First Environment, Inc. **Contract:** FIRS02

Lab code: CHEM **Case no.:** Q2320 **Sas no.:** Q2320 **Sdg no.:** Q2320

Instrument id number: **Method:** **Run number:** LB136210

Start date: 06/19/2025 **End date:** 06/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1410	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1414	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1419	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1423	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1427	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1431	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1445	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1457	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1506	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1510	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1516	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1533	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1543	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1631	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1635	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1644	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1648	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1732	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1736	Ag,As,Ba,Cd,Cr,Pb,Se
PB168518BL	PB168518BL	1	1807	Ag,As,Ba,Cd,Cr,Pb,Se
PB168518BS	PB168518BS	1	1811	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1825	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1829	Ag,As,Ba,Cd,Cr,Pb,Se
Q2320-01	WC	1	1834	Ag,As,Ba,Cd,Cr,Pb,Se
Q2325-04DUP	TP-8DUP	1	1843	Ag,As,Ba,Cd,Cr,Pb,Se
Q2325-04L	TP-8L	5	1847	Ag,As,Ba,Cd,Cr,Pb,Se
Q2325-04MS	TP-8MS	1	1852	Ag,As,Ba,Cd,Cr,Pb,Se
Q2325-04MSD	TP-8MSD	1	1856	Ag,As,Ba,Cd,Cr,Pb,Se
Q2325-04A	TP-8A	1	1901	Ba
PB168497TB	PB168497TB	1	1905	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1919	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1923	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1953	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1958	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2320 **SAS No.:** Q2320

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2320	**OrderDate:**	6/13/2025 12:11:26 PM
Client:	First Environment, Inc.	**Project:**	EDGEW001 – Veterans Field Edgewater, NJ
Contact:	Ken Cwieka	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2320-01	**WC**	**TCLP**			**06/13/25**			**06/13/25**
			TCLP ICP Metals	6010D		06/17/25	06/19/25	
			TCLP Mercury	7470A		06/17/25	06/18/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Method:**

Case No.: Q2320 **SAS No.:** Q2320

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168518**						
PB168497TB	PB168497TB	MB	WATER	06/17/2025	5.0	25.0	
PB168518BL	PB168518BL	MB	WATER	06/17/2025	5.0	25.0	
PB168518BS	PB168518BS	LCS	WATER	06/17/2025	5.0	25.0	
Q2320-01	WC	SAM	WATER	06/17/2025	5.0	25.0	
Q2325-04DUP	TP-8DUP	DUP	WATER	06/17/2025	5.0	25.0	
Q2325-04MS	TP-8MS	MS	WATER	06/17/2025	5.0	25.0	
Q2325-04MSD	TP-8MSD	MSD	WATER	06/17/2025	5.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2320

Contract: FIRS02 **Lab Code:** CHEM **Method:**

Case No.: Q2320 **SAS No.:** Q2320

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168519**						
PB168497TB	PB168497TB	MB	WATER	06/17/2025	3.0	30.0	
PB168519BL	PB168519BL	MB	WATER	06/17/2025	30.0	30.0	
PB168519BS	PB168519BS	LCS	WATER	06/17/2025	30.0	30.0	
Q2320-01	WC	SAM	WATER	06/17/2025	3.0	30.0	
Q2325-04DUP	TP-8DUP	DUP	WATER	06/17/2025	3.0	30.0	
Q2325-04MS	TP-8MS	MS	WATER	06/17/2025	3.0	30.0	
Q2325-04MSD	TP-8MSD	MSD	WATER	06/17/2025	3.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136181

Review By	MOHAN	Review On	6/19/2025 10:26:06 AM
Supervise By	jaswal	Supervise On	6/19/2025 3:46:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP85991,MP85992,MP85993,MP85994,MP85995,MP85996
ICV Standard	MP85997
CCV Standard	MP85999
ICSA Standard	
CRI Standard	MP86001
LCS Standard	
Chk Standard	MP85998,MP86000,MP86002,MP86006

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/18/25 10:20		MOHAN	OK
2	S0.2	S0.2	CAL2	06/18/25 10:25		MOHAN	OK
3	S2.5	S2.5	CAL3	06/18/25 10:27		MOHAN	OK
4	S5	S5	CAL4	06/18/25 10:30		MOHAN	OK
5	S7.5	S7.5	CAL5	06/18/25 10:32		MOHAN	OK
6	S10	S10	CAL6	06/18/25 10:34		MOHAN	OK
7	ICV43	ICV43	ICV	06/18/25 10:37		MOHAN	OK
8	ICB43	ICB43	ICB	06/18/25 10:39		MOHAN	OK
9	CCV57	CCV57	CCV	06/18/25 10:42		MOHAN	OK
10	CCB57	CCB57	CCB	06/18/25 10:44		MOHAN	OK
11	CRA	CRA	CRDL	06/18/25 10:46		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/18/25 10:48		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/18/25 10:51		MOHAN	OK
14	PB168519BL	PB168519BL	MB	06/18/25 10:53		MOHAN	OK
15	PB168519BS	PB168519BS	LCS	06/18/25 10:55		MOHAN	OK
16	Q2311-04	TP03-MH2MH3-WC	SAM	06/18/25 11:04		MOHAN	OK
17	Q2311-08	TP04-MH4-WC	SAM	06/18/25 11:06		MOHAN	OK
18	Q2312-04	TP-1	SAM	06/18/25 11:14		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136181

Review By	MOHAN	Review On	6/19/2025 10:26:06 AM
Supervise By	jaswal	Supervise On	6/19/2025 3:46:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP85991,MP85992,MP85993,MP85994,MP85995,MP85996
ICV Standard	MP85997
CCV Standard	MP85999
ICSA Standard	
CRI Standard	MP86001
LCS Standard	
Chk Standard	MP85998,MP86000,MP86002,MP86006

19	Q2319-04	MH-B	SAM	06/18/25 11:16		MOHAN	OK
20	Q2320-01	WC	SAM	06/18/25 11:18		MOHAN	OK
21	CCV58	CCV58	CCV	06/18/25 11:21		MOHAN	OK
22	CCB58	CCB58	CCB	06/18/25 11:23		MOHAN	OK
23	Q2325-04	TP-8	SAM	06/18/25 11:28		MOHAN	OK
24	Q2325-04DUP	TP-8DUP	DUP	06/18/25 11:30		MOHAN	OK
25	Q2325-04MS	TP-8MS	MS	06/18/25 11:33		MOHAN	OK
26	Q2325-04MSD	TP-8MSD	MSD	06/18/25 11:35		MOHAN	OK
27	PB168530BL	PB168530BL	MB	06/18/25 11:37		MOHAN	OK
28	PB168530BS	PB168530BS	LCS	06/18/25 11:40		MOHAN	OK
29	Q2126-07	LOD-MDL-WATER-01	SAM	06/18/25 11:47		MOHAN	OK
30	Q2126-08	LOQ-WATER-02-QT2	LOQ	06/18/25 11:49		MOHAN	OK
31	Q2307-03	LINDEN-SAA-WATER	SAM	06/18/25 11:52	Hg high	MOHAN	Dilution
32	Q2307-03DUP	LINDEN-SAA-WATER	DUP	06/18/25 11:54	Hg high	MOHAN	Dilution
33	CCV59	CCV59	CCV	06/18/25 11:57		MOHAN	OK
34	CCB59	CCB59	CCB	06/18/25 12:00		MOHAN	OK
35	Q2307-03MS	LINDEN-SAA-WATER	MS	06/18/25 12:02	Hg high	MOHAN	Dilution
36	Q2307-03MSD	LINDEN-SAA-WATER	MSD	06/18/25 12:04	Hg high	MOHAN	Dilution
37	PB168497TB	PB168497TB	MB	06/18/25 12:10		MOHAN	OK
38	Q2325-04L	TP-8L	SD	06/18/25 12:13		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136181

Review By	MOHAN	Review On	6/19/2025 10:26:06 AM
Supervise By	jaswal	Supervise On	6/19/2025 3:46:53 PM

STD. NAME	STD REF.#
ICAL Standard	MP85991,MP85992,MP85993,MP85994,MP85995,MP85996
ICV Standard	MP85997
CCV Standard	MP85999
ICSA Standard	
CRI Standard	MP86001
LCS Standard	
Chk Standard	MP85998,MP86000,MP86002,MP86006

39	Q2325-04A	TP-8A	PS	06/18/25 12:15		MOHAN	OK
40	Q2307-03L	LINDEN-SAA-WATER	SD	06/18/25 12:17	Hg high	MOHAN	Dilution
41	Q2307-03A	LINDEN-SAA-WATER	PS	06/18/25 12:19	Hg high	MOHAN	Dilution
42	CCV60	CCV60	CCV	06/18/25 12:26		MOHAN	OK
43	CCB60	CCB60	CCB	06/18/25 12:28		MOHAN	OK
44	Q2307-03DL	LINDEN-SAA-WATER	SAM	06/18/25 12:30	10X For Hg high	MOHAN	Confirms
45	Q2307-03DUPDL	LINDEN-SAA-WATER	DUP	06/18/25 12:33	10X For Hg high	MOHAN	Confirms
46	Q2307-03MSDL	LINDEN-SAA-WATER	MS	06/18/25 12:35	10X For Hg high	MOHAN	Confirms
47	Q2307-03MSDDL	LINDEN-SAA-WATER	MSD	06/18/25 12:37	10X For Hg high	MOHAN	Confirms
48	Q2307-03LDL	LINDEN-SAA-WATER	SD	06/18/25 12:44	50X For Hg high	MOHAN	Confirms
49	Q2307-03ADL	LINDEN-SAA-WATER	PS	06/18/25 12:46	10X For Hg high	MOHAN	Confirms
50	CCV61	CCV61	CCV	06/18/25 12:49		MOHAN	OK
51	CCB61	CCB61	CCB	06/18/25 12:51		MOHAN	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136210

Review By	Janvi	Review On	6/20/2025 12:25:55 PM
Supervise By	MOHAN	Supervise On	6/23/2025 5:20:13 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/19/25 14:10		Jaswal	OK
2	S1	S1	CAL2	06/19/25 14:14		Jaswal	OK
3	S2	S2	CAL3	06/19/25 14:19		Jaswal	OK
4	S3	S3	CAL4	06/19/25 14:23		Jaswal	OK
5	S4	S4	CAL5	06/19/25 14:27		Jaswal	OK
6	S5	S5	CAL6	06/19/25 14:31		Jaswal	OK
7	ICV01	ICV01	ICV	06/19/25 14:45	ICV fail for Sb,As,Ag (200.7) (95-105)	Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/19/25 14:57		Jaswal	OK
9	ICB01	ICB01	ICB	06/19/25 15:01		Jaswal	OK
10	CRI01	CRI01	CRDL	06/19/25 15:06		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/19/25 15:10		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/19/25 15:16		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/19/25 15:23		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/19/25 15:28		Jaswal	OK
15	CCV01	CCV01	CCV	06/19/25 15:33		Jaswal	OK
16	CCB01	CCB01	CCB	06/19/25 15:43		Jaswal	OK
17	Q2336-01	WBR-1	SAM	06/19/25 15:47		Jaswal	OK
18	Q2336-03	WBR-2	SAM	06/19/25 15:51		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136210

Review By	Janvi	Review On	6/20/2025 12:25:55 PM
Supervise By	MOHAN	Supervise On	6/23/2025 5:20:13 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2337-01	OR-02-061625	SAM	06/19/25 15:56		Jaswal	OK
20	Q2338-01	OK-03-061625	SAM	06/19/25 16:00		Jaswal	OK
21	Q2340-01	TP05-MH17A-WC	SAM	06/19/25 16:04		Jaswal	OK
22	Q2339-01	MH-C	SAM	06/19/25 16:09		Jaswal	OK
23	Q2341-05	EP-3	SAM	06/19/25 16:13		Jaswal	OK
24	Q2341-01	TP-9	SAM	06/19/25 16:18	RPD fail for more than 50% elements	Jaswal	Not Ok
25	Q2340-04	TP05-MH17A-WC	SAM	06/19/25 16:22		Jaswal	OK
26	Q2348-01	001-WILLETS-PT-BL	SAM	06/19/25 16:26		Jaswal	OK
27	CCV02	CCV02	CCV	06/19/25 16:31		Jaswal	OK
28	CCB02	CCB02	CCB	06/19/25 16:35		Jaswal	OK
29	Q2348-02	002-35TH-AVE(MAY)	SAM	06/19/25 16:40		Jaswal	OK
30	CCV03	CCV03	CCV	06/19/25 16:44		Jaswal	OK
31	CCB03	CCB03	CCB	06/19/25 16:48		Jaswal	OK
32	Q2348-02DUP	002-35TH-AVE(MAY)[	DUP	06/19/25 16:53		Jaswal	OK
33	Q2348-02L	002-35TH-AVE(MAY)[	SD	06/19/25 16:57		Jaswal	OK
34	Q2348-02MS	002-35TH-AVE(MAY)[	MS	06/19/25 17:02		Jaswal	OK
35	Q2348-02MSD	002-35TH-AVE(MAY)[	MSD	06/19/25 17:06		Jaswal	OK
36	Q2348-02A	002-35TH-AVE(MAY)A	PS	06/19/25 17:10	0.1ML M6004,M6013-10ML SAMPLE	Jaswal	OK
37	Q2349-01	001-WILLETS-PT-BL	SAM	06/19/25 17:15		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136210

Review By	Janvi	Review On	6/20/2025 12:25:55 PM
Supervise By	MOHAN	Supervise On	6/23/2025 5:20:13 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

38	Q2349-04	002-35TH-AVE(JUNE	SAM	06/19/25 17:19		Jaswal	OK
39	PB168539BS	PB168539BS	LCS	06/19/25 17:28		Jaswal	OK
40	CCV04	CCV04	CCV	06/19/25 17:32		Jaswal	OK
41	CCB04	CCB04	CCB	06/19/25 17:36		Jaswal	OK
42	PB168539BL	PB168539BL	MB	06/19/25 17:41		Jaswal	OK
43	Q2341-01DUP	TP-9DUP	DUP	06/19/25 17:45	RPD fail for more than 50% elements	Jaswal	Not Ok
44	Q2341-01L	TP-9L	SD	06/19/25 17:50	RPD fail for more than 50% elements	Jaswal	Not Ok
45	Q2341-01MS	TP-9MS	MS	06/19/25 17:54	RPD fail for more than 50% elements	Jaswal	Not Ok
46	Q2341-01MSD	TP-9MSD	MSD	06/19/25 17:58	RPD fail for more than 50% elements	Jaswal	Not Ok
47	Q2341-01A	TP-9A	PS	06/19/25 18:03	RPD fail for more than 50% elements	Jaswal	Not Ok
48	PB168518BL	PB168518BL	MB	06/19/25 18:07		Jaswal	OK
49	PB168518BS	PB168518BS	LCS	06/19/25 18:11		Jaswal	OK
50	Q2312-04	TP-1	SAM	06/19/25 18:16	Bad injection	Jaswal	Not Ok
51	Q2319-04	MH-B	SAM	06/19/25 18:20	Bad injection	Jaswal	Not Ok
52	CCV05	CCV05	CCV	06/19/25 18:25		Jaswal	OK
53	CCB05	CCB05	CCB	06/19/25 18:29		Jaswal	OK
54	Q2320-01	WC	SAM	06/19/25 18:34		Jaswal	OK
55	Q2325-04	TP-8	SAM	06/19/25 18:38		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136210

Review By	Janvi	Review On	6/20/2025 12:25:55 PM
Supervise By	MOHAN	Supervise On	6/23/2025 5:20:13 PM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85934
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

56	Q2325-04DUP	TP-8DUP	DUP	06/19/25 18:43		Jaswal	OK
57	Q2325-04L	TP-8L	SD	06/19/25 18:47		Jaswal	OK
58	Q2325-04MS	TP-8MS	MS	06/19/25 18:52		Jaswal	OK
59	Q2325-04MSD	TP-8MSD	MSD	06/19/25 18:56		Jaswal	OK
60	Q2325-04A	TP-8A	PS	06/19/25 19:01	0.1ML M6004,M6013-10ML SAMPLE	Jaswal	OK
61	PB168497TB	PB168497TB	MB	06/19/25 19:05		Jaswal	OK
62	Q2328-05	CHRT25653	SAM	06/19/25 19:14		Jaswal	OK
63	CCV06	CCV06	CCV	06/19/25 19:19		Jaswal	OK
64	CCB06	CCB06	CCB	06/19/25 19:23		Jaswal	OK
65	Q2358-01	NB-07-06182025	SAM	06/19/25 19:27		Jaswal	OK
66	Q2358-01DUP	NB-07-06182025DUP	DUP	06/19/25 19:32		Jaswal	OK
67	Q2358-01L	NB-07-06182025L	SD	06/19/25 19:36		Jaswal	OK
68	Q2358-01MS	NB-07-06182025MS	MS	06/19/25 19:40		Jaswal	OK
69	Q2358-01MSD	NB-07-06182025MSD	MSD	06/19/25 19:45		Jaswal	OK
70	Q2358-01A	NB-07-06182025A	PS	06/19/25 19:49	0.1ML M6004,M6013-10ML SAMPLE	Jaswal	OK
71	CCV07	CCV07	CCV	06/19/25 19:53		Jaswal	OK
72	CCB07	CCB07	CCB	06/19/25 19:58		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168518

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 06/17/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 06/17/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKS.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/17/25 16:35	SKS.met.dig	Metals Cool
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168518

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168518BL	PBW518	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168518BS	LCS518	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	2
~~PB168518TB~~ PB168497TB	~~LCB518~~ LCB497 SR. 06/17/25	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2311-04	TP03-MH2MH3-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2311-08	TP04-MH2MH3-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2312-04	TP-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2319-04	MH-B	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2320-01	WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q2325-04	TP-8	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q2325-04MS	TP-8MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	11
Q2325-04MSD	TP-8MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	12
Q2325-04DUP	TP-8DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168519

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/17/2025 **Time :** 14:40 **Temp :** 94 °C

End Digest Date: 06/17/2025 **Time :** 16:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85997
CCV	30mL	MP85999
CRA	30mL	MP86001
Blank Spike	0.48mL	MP85990
Matrix Spike	0.48mL	MP85990

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85991
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85992
2.5 ppb	S2.5	30mL	MP85993
5.0 ppb	S5.0	30mL	MP85994
7.5 ppb	S7.5	30mL	MP85995
10.0 ppb	S10.0	30mL	MP85996
ICV	ICV	30mL	MP85997
ICB	ICB	30mL	MP85998
CCV	CCV	30mL	MP85999
CCB	CCB	30mL	MP86000
CRI	CRI	30mL	MP86001
CHK STD	CHK STD	30mL	MP86002

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/17/2025 17:10	[signature] MG Lab	[signature] Metal CMS
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168519

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168497TB	PB168497TB	3	30	<2	N/A	3-1
PB168519BL	PBW519	30	30	<2	N/A	2
PB168519BS	LCS519	30	30	<2	MP85990	3
Q2311-04	TP03-MH2MH3-WC	3	30	<2	N/A	4
Q2311-08	TP04-MH2MH3-WC	3	30	<2	N/A	5
Q2312-04	TP-1	3	30	<2	N/A	6
Q2319-04	MH-B	3	30	<2	N/A	7
Q2320-01	WC	3	30	<2	N/A	8
Q2325-04	TP-8	3	30	<2	N/A	9
Q2325-04DUP	TP-8DUP	3	30	<2	N/A	10
Q2325-04MS	TP-8MS	3	30	<2	MP85990	11
Q2325-04MSD	TP-8MSD	3	30	<2	MP85990	12

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168497

7

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 :	115525

Start Prep Date :	06/13/2025 Time : 16:00
End Prep Date :	06/14/2025 Time : 10:20
Combination Ratio :	20
ZHE Cleaning Batch :	~~N/A~~ JP
Initial Room Temperature:	23 °C
Final Room Temperature:	22 °C
TCLP Technician Signature :	JP
Supervisor By :	JR

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q2325-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/14/25 10:30	JP TCLP Room	SKS. RS TCLP
	Preparation Group	Analysis Group Metal Dig

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168497

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	Pre Pos
PB168497TB	LEB497	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2311-04	TP03-MH2MH3-WC	01	100.02	2000	N/A	N/A	N/A	8.2	1.5	T-1
Q2311-08	TP04-MH2MH3-WC	02	100.03	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q2312-04	TP-1	03	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2319-04	MH-B	04	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2320-01	WC	05	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-1
Q2325-04	TP-8	06	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168497TB	LEB497	N/A	N/A	N/A	N/A	N/A	N/A
Q2311-04	TP03-MH2MH3-WC	N/A	N/A	N/A	N/A	100	N/A
Q2311-08	TP04-MH2MH3-WC	N/A	N/A	N/A	N/A	100	N/A
Q2312-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q2319-04	MH-B	N/A	N/A	N/A	N/A	100	N/A
Q2320-01	WC	N/A	N/A	N/A	N/A	100	N/A
Q2325-04	TP-8	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168497

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
PB168497TB	LEB497	N/A	N/A	N/A	N/A	#1	4.93
Q2311-04	TP03-MH2MH3-WC	5.02	96.5	9.1	4.0	#1	4.93
Q2311-08	TP04-MH2MH3-WC	5.03	96.5	10.0	4.0	#1	4.93
Q2312-04	TP-1	5.02	96.5	8.0	3.5	#1	4.93
Q2319-04	MH-B	5.01	96.5	5.8	1.5	#1	4.93
Q2320-01	WC	5.02	96.5	8.0	3.0	#1	4.93
Q2325-04	TP-8	5.03	96.5	6.6	1.5	#1	4.93

SAMPLE DATA

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25 09:30
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	WC	SDG No.:	Q2320
Lab Sample ID:	Q2320-01	Matrix:	SOIL
		% Solid:	88.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.80	H	1	0	0	pH		06/17/25 15:50	9045D
Ignitability	NO		1	0	0	oC		06/16/25 12:22	1030
Reactive Cyanide	0.014	J	1	0.0083	0.049	mg/Kg	06/16/25 08:30	06/16/25 12:22	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	06/16/25 08:30	06/16/25 13:40	9034

Comments: pH result reported at temperature 20.9 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client:	First Environment, Inc.	**SDG No.:**	Q2320
Project:	EDGEW001 – Veterans Field Edgewater, NJ	**RunNo.:**	LB136162

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.094	0.099	95	85-115	06/16/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.23	0.25	92	90-110	06/16/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.23	0.25	92	90-110	06/16/2025

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Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	First Environment, Inc.	**SDG No.:**	Q2320
Project:	EDGEW001 – Veterans Field Edgewater, NJ	**RunNo.:**	LB136178

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.00	7	100	90-110	06/17/2025
Sample ID:	**CCV1**						
Corrosivity		pH	2.02	2.00	101	90-110	06/17/2025
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	06/17/2025
Sample ID:	**CCV3**						
Corrosivity		pH	2.02	2.00	101	90-110	06/17/2025

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Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client: First Environment, Inc. **SDG No.:** Q2320

Project: EDGEW001 – Veterans Field Edgewater, NJ **RunNo.:** LB136162

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00096	0.005	06/16/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00096	0.005	06/16/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00096	0.005	06/16/2025

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

Client: First Environment, Inc. **SDG No.:** Q2320

Project: EDGEW001 – Veterans Field Edgewater, NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB168487BL							
Reactive Cyanide	mg/Kg	0.013	0.0250	J	0.0083	0.05	06/16/2025
Sample ID: PB168488BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	06/16/2025

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Duplicate Sample Summary

Client: First Environment, Inc.
SDG No.: Q2320
Project: EDGEW001 – Veterans Field Edgewater, NJ
Sample ID: Q2301-03
Client ID: WC-URBAN-FILL-CDUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		06/16/2025
Reactive Cyanide	mg/Kg	+/-20	0.013	J	0.012	J	1	8		06/16/2025
Reactive Sulfide	mg/Kg	+/-20	4.77	J	4.79	J	1	0.42		06/16/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: First Environment, Inc.
SDG No.: Q2320
Project: EDGEW001 – Veterans Field Edgewater, NJ
Sample ID: Q2347-04
Client ID: MH-9DUP
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	7.40		7.41		1	0.14		06/17/2025

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

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB136161

Review By	Eman	Review On	6/16/2025 1:49:13 PM
Supervise By	Iwona	Supervise On	6/16/2025 1:50:22 PM
SubDirectory	LB136161	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	Q2301-03	WC-URBAN-FILL-C	SAM	06/16/25 10:45		Eman	OK
2	Q2301-03DUP	WC-URBAN-FILL-CD	DUP	06/16/25 10:52		Eman	OK
3	Q2307-01	LINDEN-SAA	SAM	06/16/25 11:00		Eman	OK
4	Q2310-01	TP-7	SAM	06/16/25 11:07		Eman	OK
5	Q2310-04	TP-7	SAM	06/16/25 11:14		Eman	OK
6	Q2311-01	TP03-MH2MH3-WC	SAM	06/16/25 11:22		Eman	OK
7	Q2311-04	TP03-MH2MH3-WC	SAM	06/16/25 11:30		Eman	OK
8	Q2311-05	TP04-MH2MH3-WC	SAM	06/16/25 11:37		Eman	OK
9	Q2311-08	TP04-MH2MH3-WC	SAM	06/16/25 11:45		Eman	OK
10	Q2312-01	TP-1	SAM	06/16/25 11:52		Eman	OK
11	Q2312-04	TP-1	SAM	06/16/25 12:00		Eman	OK
12	Q2319-01	MH-B	SAM	06/16/25 12:07		Eman	OK
13	Q2319-04	MH-B	SAM	06/16/25 12:15		Eman	OK
14	Q2320-01	WC	SAM	06/16/25 12:22		Eman	OK
15	Q2325-01	TP-8	SAM	06/16/25 12:30		Eman	OK
16	Q2325-04	TP-8	SAM	06/16/25 12:37		Eman	OK

Alliance TECHNICAL GROUP
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 # LB136162

Review By	Iwona	Review On	6/17/2025 10:27:14 AM
Supervise By	Sohil	Supervise On	6/17/2025 10:35:41 AM
SubDirectory	LB136162	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113536,WP113537,WP113538,WP113540,WP113541,WP113542,WP113543
ICV Standard	WP113544
CCV Standard	WP113538
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113548

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/16/25 11:42		Iwona	OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/16/25 11:42		Iwona	OK
3	10PPBCN	10PPBCN	CAL3	06/16/25 11:42		Iwona	OK
4	50PPBCN	50PPBCN	CAL4	06/16/25 11:42		Iwona	OK
5	100PPBCN	100PPBCN	CAL5	06/16/25 11:42		Iwona	OK
6	250PPBCN	250PPBCN	CAL6	06/16/25 11:42		Iwona	OK
7	500PPBCN	500PPBCN	CAL7	06/16/25 11:42		Iwona	OK
8	ICV1	ICV1	ICV	06/16/25 12:14		Iwona	OK
9	ICB1	ICB1	ICB	06/16/25 12:14		Iwona	OK
10	CCV1	CCV1	CCV	06/16/25 12:14		Iwona	OK
11	CCB1	CCB1	CCB	06/16/25 12:14		Iwona	OK
12	PB168487BL	PB168487BL	MB	06/16/25 12:14		Iwona	OK
13	Q2301-03	WC-URBAN-FILL-C	SAM	06/16/25 12:14		Iwona	OK
14	Q2301-03DUP	WC-URBAN-FILL-CD	DUP	06/16/25 12:21		Iwona	OK
15	Q2310-04	TP-7	SAM	06/16/25 12:21		Iwona	OK
16	Q2311-04	TP03-MH2MH3-WC	SAM	06/16/25 12:21		Iwona	OK
17	Q2311-08	TP04-MH2MH3-WC	SAM	06/16/25 12:21		Iwona	OK
18	Q2312-04	TP-1	SAM	06/16/25 12:22		Iwona	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 # LB136162

Review By	Iwona	Review On	6/17/2025 10:27:14 AM
Supervise By	Sohil	Supervise On	6/17/2025 10:35:41 AM
SubDirectory	LB136162	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113536,WP113537,WP113538,WP113540,WP113541,WP113542,WP113543
ICV Standard	WP113544
CCV Standard	WP113538
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112643,WP112900,WP113548

19	Q2319-04	MH-B	SAM	06/16/25 12:22		Iwona	OK
20	Q2320-01	WC	SAM	06/16/25 12:22		Iwona	OK
21	Q2325-04	TP-8	SAM	06/16/25 12:22		Iwona	OK
22	CCV2	CCV2	CCV	06/16/25 12:22		Iwona	OK
23	CCB2	CCB2	CCB	06/16/25 12:24		Iwona	OK

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Fax : 908 789 8922

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB136168

Review By	lwona	Review On	6/17/2025 10:02:45 AM
Supervise By	jignesh	Supervise On	6/17/2025 10:07:25 AM
SubDirectory	LB136168	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB168488BL	PB168488BL	MB	06/16/25 13:15		lwona	OK
2	Q2301-03	WC-URBAN-FILL-C	SAM	06/16/25 13:18		lwona	OK
3	Q2301-03DUP	WC-URBAN-FILL-CD	DUP	06/16/25 13:21		lwona	OK
4	Q2310-04	TP-7	SAM	06/16/25 13:25		lwona	OK
5	Q2311-04	TP03-MH2MH3-WC	SAM	06/16/25 13:28		lwona	OK
6	Q2311-08	TP04-MH2MH3-WC	SAM	06/16/25 13:31		lwona	OK
7	Q2312-04	TP-1	SAM	06/16/25 13:34		lwona	OK
8	Q2319-04	MH-B	SAM	06/16/25 13:37		lwona	OK
9	Q2320-01	WC	SAM	06/16/25 13:40		lwona	OK
10	Q2325-04	TP-8	SAM	06/16/25 13:44		lwona	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136178

Review By	jignesh	Review On	6/18/2025 8:57:10 AM
Supervise By	Iwona	Supervise On	6/18/2025 9:44:38 AM
SubDirectory	LB136178	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3071,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	06/17/25 15:15		Jignesh	OK
2	CAL2	CAL2	CAL	06/17/25 15:16		Jignesh	OK
3	CAL3	CAL3	CAL	06/17/25 15:16		Jignesh	OK
4	ICV	ICV	ICV	06/17/25 15:19		Jignesh	OK
5	CCV1	CCV1	CCV	06/17/25 15:20		Jignesh	OK
6	Q2311-04	TP03-MH2MH3-WC	SAM	06/17/25 15:30		Jignesh	OK
7	Q2311-08	TP04-MH2MH3-WC	SAM	06/17/25 15:35		Jignesh	OK
8	Q2312-04	TP-1	SAM	06/17/25 15:40		Jignesh	OK
9	Q2319-04	MH-B	SAM	06/17/25 15:44		Jignesh	OK
10	Q2320-01	WC	SAM	06/17/25 15:50		Jignesh	OK
11	Q2325-04	TP-8	SAM	06/17/25 16:00		Jignesh	OK
12	Q2339-04	MH-C	SAM	06/17/25 16:10		Jignesh	OK
13	Q2340-04	TP05-MH17A-WC	SAM	06/17/25 16:11		Jignesh	OK
14	Q2341-04	TP-9	SAM	06/17/25 16:20		Jignesh	OK
15	Q2341-08	EP-3	SAM	06/17/25 16:30		Jignesh	OK
16	CCV2	CCV2	CCV	06/17/25 16:35		Jignesh	OK
17	Q2347-04	TP-10-9	SAM	06/17/25 16:45		Jignesh	OK
18	Q2347-04DUP	TP-10-9	DUP	06/17/25 16:47		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136178

Review By	jignesh	Review On	6/18/2025 8:57:10 AM
Supervise By	Iwona	Supervise On	6/18/2025 9:44:38 AM
SubDirectory	LB136178	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3071,W3161,W3200

19	CCV3	CCV3	CCV	06/17/25 16:50		Jignesh	OK

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LAB CHRONICLE

OrderID:	Q2320	**OrderDate:**	6/13/2025 12:11:26 PM
Client:	First Environment, Inc.	**Project:**	EDGEW001 – Veterans Field Edgewater, NJ
Contact:	Ken Cwieka	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2320-01	**WC**	**SOIL**			**06/13/25 09:30**			**06/13/25**
			Corrosivity	9045D			06/17/25 15:50	
			Ignitability	1030			06/16/25 12:22	
			Reactive Cyanide	9012B		06/16/25	06/16/25 12:22	
			Reactive Sulfide	9034		06/16/25	06/16/25 13:40	

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Soil/Sludge Reactive Cyanide Preparation Sheet

PB168487

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Matrix : SOIL

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : JP

Start Digest Date: 06/16/2025 **Time :** 08:30 **Temp :** N/A

End Digest Date: 06/16/2025 **Time :** 10:00 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: EM

Supervisor Signature: IZ

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP111294
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/16/25 16:15	EM (WC)	IZ (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB168487

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168487BL	PB168487BL	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2301-03DUP	WC-URBAN-FILL-CDUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2301-03	WC-URBAN-FILL-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2310-04	TP-7	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2311-04	TP03-MH2MH3-WC	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2311-08	TP04-MH2MH3-WC	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2312-04	TP-1	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2319-04	MH-B	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2320-01	WC	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2325-04	TP-8	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

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Soil/Sludge Reactive Sulfide Preparation Sheet

PB168488

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Start Digest Date: 06/16/2025 **Time :** 08:30 **Temp :** N/A

Matrix : SOIL

End Digest Date: 06/16/2025 **Time :** 10:00 **Temp :** N/A

Pippete ID : WC

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:** EM

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
0.5M ZINC ACETATE	5.0ML	WP113086
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

6/16/25

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB168488

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168488BL	PB168488BL	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2301-03DUP	WC-URBAN-FILL-CDUP	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2301-03	WC-URBAN-FILL-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2310-04	TP-7	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2311-04	TP03-MH2MH3-WC	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2311-08	TP04-MH2MH3-WC	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2312-04	TP-1	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2319-04	MH-B	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2320-01	WC	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2325-04	TP-8	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2320
COC Number 2046554

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: First Environment INC
ADDRESS: 10 Park Pl
CITY Butler STATE N.J. ZIP 07405
ATTENTION:
PHONE: 973-334-0003 FAX: 973-334-0928

CLIENT PROJECT INFORMATION

PROJECT NAME: Edgewood1
PROJECT NO.: LOCATION: Edgewater N.J.
PROJECT MANAGER: Ken Cwieka
e-mail: KMC@FirstEnvironment.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: First Environment PO#:
ADDRESS: 10 Park Pl Suite 304
CITY Butler STATE N.J. ZIP 07405
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STD 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 Corrosivity
2 Ignitability
3 Reactive Cyanide
Reactive Sulfide
5 TCLP Extraction
6 TCLP TAL Metals
7 TCLP Mercury
8 PCB
9 TCLP VOA

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	WC	S	X		6-13	0930	3	X	X	X	X	X	X	X	X	X
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Gary McCurkin	6/13-25 / 1:35	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: IR Gun #1

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488