284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GENERAL CHEMISTRY
METALS
VOLATILE ORGANICS

PROJECT NAME : DPW

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q3278

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q3278

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : NJ Project Number : DPW

Laboratory Sample ID(s) : Q3278 Sampling Date(s) : 10/02/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **300.0,6010D,8260D,SOP**

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

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

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Cover Page

Order ID : Q3278

Project ID : DPW

Client : G Environmental

Lab Sample Number	Client Sample Number
Q3278-01	MW10

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:18 pm, Oct 14, 2025

Date: 10/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: DPW
Project # N/A
Order ID # Q3278
Test Name: VOCMS Group2,Metals Group3,Anions Group1

A. Number of Samples and Date of Receipt:
1 Water sample was received on 10/02/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2,Metals Group3,Anions Group1. This data package contains results for VOCMS Group2(8260-Low),Metals Group3(6010D),Anions Group1(300.0).

C. Analytical Techniques:
VOCMS Group2 : The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group2 was based on method 8260-Low.

Metals Group3 : The analysis of Metals Group3 was based on method 6010D and digestion based on method 3010 (waters).

Wetchem : The analysis of Anions Group1 was based on method 300.0.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Metals Group3 : Sample MW10 was diluted due to high concentrations for Manganese.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.
The Duplicate analysis met criteria for all compounds.
The Serial Dilution met the acceptable requirements.

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E. Additional Comments:
Metals Group3 : In analytical sequence LB137466, The Result was outside of acceptance limit for Sodium of CCB05 and CCB06 but, no any sample associated under these CCBs.

VOCMS Group2 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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

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

Signature__ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:18 pm, Oct 14, 2025

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 #: Q3278

	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:** 10/13/2025

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Hit Summary Sheet
SW-846

SDG No.: Q3278

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW10**								
Q3278-01	MW10	Water	Cyclohexane		11.1		1.50	5.00	ug/L
Q3278-01	MW10	Water	Methylcyclohexane		10.1		0.16	1.00	ug/L
Q3278-01	MW10	Water	Benzene		0.74	J	0.15	1.00	ug/L
Q3278-01	MW10	Water	Toluene		0.36	J	0.14	1.00	ug/L
Q3278-01	MW10	Water	Chlorobenzene		2.30		0.12	1.00	ug/L
Q3278-01	MW10	Water	Ethyl Benzene		6.50		0.13	1.00	ug/L
Q3278-01	MW10	Water	m/p-Xylenes		0.76	J	0.24	2.00	ug/L
Q3278-01	MW10	Water	Isopropylbenzene		4.70		0.12	1.00	ug/L
Q3278-01	MW10	Water	1,2-Dichlorobenzene		0.36	J	0.16	1.00	ug/L
			Total Voc :		36.9				
Q3278-01	MW10	Water	Butane, 2-methyl-	*	35.3	J	0	0	ug/L
Q3278-01	MW10	Water	Butane, 2,3-dimethyl-	*	32.7	J	0	0	ug/L
Q3278-01	MW10	Water	Benzene, 1,2,4,5-tetramethyl-	*	20.0	J	0	0	ug/L
Q3278-01	MW10	Water	Pentane, 3-methyl-	*	52.1	J	0	0	ug/L
Q3278-01	MW10	Water	Cyclopentane, methyl-	*	32.8	J	0	0	ug/L
Q3278-01	MW10	Water	Pentane, 2,3-dimethyl-	*	51.4	J	0	0	ug/L
Q3278-01	MW10	Water	Pentane, 2,3,4-trimethyl-	*	23.3	J	0	0	ug/L
Q3278-01	MW10	Water	Hexane, 3-methyl-	*	21.9	J	0	0	ug/L
Q3278-01	MW10	Water	Benzene, 1-ethenyl-2-methyl-	*	64.3	J	0	0	ug/L
Q3278-01	MW10	Water	Indan, 1-methyl-	*	52.5	J	0	0	ug/L
Q3278-01	MW10	Water	1H-Indene, 2,3-dihydro-5-meth	*	50.4	J	0	0	ug/L
Q3278-01	MW10	Water	Benzene, 1-ethenyl-4-ethyl-	*	22.4	J	0	0	ug/L
Q3278-01	MW10	Water	n-propylbenzene	*	8.60	J	0.13	1.00	ug/L
Q3278-01	MW10	Water	tert-Butylbenzene	*	1.50	J	0.14	1.00	ug/L
Q3278-01	MW10	Water	1,2,4-Trimethylbenzene	*	2.10	J	0.14	1.00	ug/L
Q3278-01	MW10	Water	sec-Butylbenzene	*	2.90	J	0.13	1.00	ug/L
Q3278-01	MW10	Water	n-Butylbenzene	*	1.90	J	0.15	1.00	ug/L
			Total Tics :		476				
			Total Concentration:		513				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	10/02/25
Project:	DPW	Date Received:	10/02/25
Client Sample ID:	MW10	SDG No.:	Q3278
Lab Sample ID:	Q3278-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048043.D	1	10/07/25 11:38	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	11.1		1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	10.1		0.16	1.00	ug/L
71-43-2	Benzene	0.74	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.36	J	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:	10/02/25	
Project:	DPW		Date Received:	10/02/25	
Client Sample ID:	MW10		SDG No.:	Q3278	
Lab Sample ID:	Q3278-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048043.D	1	10/07/25 11:38	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	2.30		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	6.50		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.76	J	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	4.70		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.36	J	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	5.537			
540-36-3	1,4-Difluorobenzene	376000	6.745			
3114-55-4	Chlorobenzene-d5	377000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	187000	12.006			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	10/02/25
Project:	DPW	Date Received:	10/02/25
Client Sample ID:	MW10	SDG No.:	Q3278
Lab Sample ID:	Q3278-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048043.D	1	10/07/25 11:38	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000078-78-4	Butane, 2-methyl-	35.3	J		1.76	ug/L
000079-29-8	Butane, 2,3-dimethyl-	32.7	J		2.78	ug/L
000096-14-0	Pentane, 3-methyl-	52.1	J		3.10	ug/L
000096-37-7	Cyclopentane, methyl-	32.8	J		4.30	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	51.4	J		5.61	ug/L
000589-34-4	Hexane, 3-methyl-	21.9	J		5.81	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	23.3	J		7.97	ug/L
103-65-1	n-propylbenzene	8.60	J		11.3	ug/L
98-06-6	tert-Butylbenzene	1.50	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.10	J		11.7	ug/L
135-98-8	sec-Butylbenzene	2.90	J		11.9	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	64.3	J		12.2	ug/L
104-51-8	n-Butylbenzene	1.90	J		12.3	ug/L
000767-58-8	Indan, 1-methyl-	52.5	J		12.7	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	20.0	J		12.9	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	22.4	J		13.1	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	50.4	J		13.3	ug/L

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

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

QC SUMMARY

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

SDG No.: Q3278

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3278-01	MW10	1,2-Dichloroethane-d4	50	47.2	94		70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.6	111		70 (77)	130 (121)
VX1007WBL01	VX1007WBL01	1,2-Dichloroethane-d4	50	57.3	115		70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.8	114		70 (77)	130 (121)
VX1007WBS01	VX1007WBS01	1,2-Dichloroethane-d4	50	54.3	109		70 (74)	130 (125)
		Dibromofluoromethane	50	55.8	112		70 (75)	130 (124)
		Toluene-d8	50	53.5	107		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.7	109		70 (77)	130 (121)
VX1007WBSD0	VX1007WBSD01	1,2-Dichloroethane-d4	50	53.0	106		70 (74)	130 (125)
		Dibromofluoromethane	50	54.9	110		70 (75)	130 (124)
		Toluene-d8	50	53.2	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.5	107		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3278 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX048039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			40 (69)	160 (116)	
	Chloromethane	20	17.1	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	19.9	ug/L	100			40 (58)	160 (125)	
	Chloroethane	20	20.0	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.7	ug/L	99			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	16.9	ug/L	85			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.3	ug/L	106			70 (78)	130 (114)	
	Methyl Acetate	20	24.1	ug/L	121			70 (67)	130 (125)	
	Methylene Chloride	20	20.7	ug/L	104			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.3	ug/L	106			70 (78)	130 (112)	
	Cyclohexane	20	17.4	ug/L	87			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.7	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			70 (77)	130 (110)	
	Bromochloromethane	20	22.7	ug/L	114			70 (70)	130 (124)	
	Chloroform	20	22.3	ug/L	112			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	21.2	ug/L	106			70 (80)	130 (108)	
	Methylcyclohexane	20	17.2	ug/L	86			70 (72)	130 (115)	
	Benzene	20	21.0	ug/L	105			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.9	ug/L	110			70 (80)	130 (115)	
	Trichloroethene	20	20.8	ug/L	104			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.9	ug/L	110			70 (83)	130 (111)	
	Bromodichloromethane	20	22.8	ug/L	114			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	120	ug/L	120			40 (74)	160 (118)	
	Toluene	20	21.0	ug/L	105			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	23.4	ug/L	117			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	23.8	ug/L	119			70 (82)	130 (110)	
	1,2-Dibromoethane	20	22.7	ug/L	114			70 (81)	130 (110)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	40.1	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	19.9	ug/L	100			70 (83)	130 (109)	
	Styrene	20	20.0	ug/L	100			70 (80)	130 (111)	
	Bromoform	20	22.9	ug/L	115			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.6	ug/L	98			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3278 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX048039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3278 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX048040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1007WBSD01	Dichlorodifluoromethane	20	19.2	ug/L	96	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	16.7	ug/L	84	2		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.4	ug/L	92	3		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.7	ug/L	99	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.5	ug/L	93	7		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.9	ug/L	100	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	1		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.1	ug/L	96	3		70 (74)	130 (110)	20 (20)
	Acetone	100	88.7	ug/L	89	12		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.5	ug/L	83	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.4	ug/L	102	4		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	23.7	ug/L	119	2		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	0		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	20.3	ug/L	102	4		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.1	ug/L	91	4		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	10		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	20.4	ug/L	102	2		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	9		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.5	ug/L	113	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.8	ug/L	109	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	21.3	ug/L	106	0		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.5	ug/L	93	8		70 (72)	130 (115)	20 (20)
	Benzene	20	20.3	ug/L	102	3		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.1	ug/L	106	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.0	ug/L	100	4		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	21.7	ug/L	109	1		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	22.1	ug/L	111	3		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	120	ug/L	120	0		40 (74)	160 (118)	20 (25)
	Toluene	20	20.7	ug/L	104	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.6	ug/L	103	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/L	104	4		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	22.9	ug/L	115	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	23.2	ug/L	116	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	22.4	ug/L	112	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	4		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.5	ug/L	103	0		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.6	ug/L	98	0		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	40.5	ug/L	101	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.8	ug/L	99	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.4	ug/L	102	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	22.4	ug/L	112	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.2	ug/L	96	3		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107	0		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.6	ug/L	98	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	20.0	ug/L	100	2		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.4	ug/L	102	3		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3278 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX048040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1007WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	6		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	5		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100	6		70 (76)	130 (114)	20 (29)

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1007WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3278

Lab File ID: VX048038.D | Lab Sample ID: VX1007WBL01

Date Analyzed: 10/07/2025 | Time Analyzed: 09:34

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1007WBS01	VX1007WBS01	VX048039.D	10/07/2025
VX1007WBSD01	VX1007WBSD01	VX048040.D	10/07/2025
MW10	Q3278-01	VX048043.D	10/07/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3278
Lab File ID: VX047584.D
BFB Injection Date: 09/16/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:56
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3278

Lab File ID: VX048035.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:07

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.2 (7.4) 1
176	95.0 - 101.0% of mass 174	67.1 (95.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048036.D	10/07/2025	08:44
VX1007WBL01	VX1007WBL01	VX048038.D	10/07/2025	09:34
VX1007WBS01	VX1007WBS01	VX048039.D	10/07/2025	10:06
VX1007WBSD01	VX1007WBSD01	VX048040.D	10/07/2025	10:34
MW10	Q3278-01	VX048043.D	10/07/2025	11:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3278

Lab File ID: VX048036.D Date Analyzed: 10/07/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144874	5.53	249421	6.74	221582	10.04
UPPER LIMIT	289748	6.025	498842	7.239	443164	10.537
LOWER LIMIT	72437	5.025	124711	6.239	110791	9.537
EPA SAMPLE NO.						
MW10	190887	5.54	376118	6.75	377293	10.04
VX1007WBL01	133238	5.54	276412	6.75	291549	10.04
VX1007WBS01	127551	5.53	226030	6.75	211007	10.04
VX1007WBSD01	129287	5.53	226163	6.75	207970	10.04

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3278

Lab File ID: VX048036.D Date Analyzed: 10/07/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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

	IS4 AREA #	RT #				
12 HOUR STD	111843	12.006				
UPPER LIMIT	223686	12.506				
LOWER LIMIT	55921.5	11.506				
EPA SAMPLE NO.						
MW10	186931	12.01				
VX1007WBL01	144709	12.01				
VX1007WBS01	108312	12.01				
VX1007WBSD01	105986	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBL01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048038.D	1	10/07/25 09:34	VX100725

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	DPW		Date Received:		
Client Sample ID:	VX1007WBL01		SDG No.:	Q3278	
Lab Sample ID:	VX1007WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048038.D	1	10/07/25 09:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	5.544			
540-36-3	1,4-Difluorobenzene	276000	6.751			
3114-55-4	Chlorobenzene-d5	292000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBL01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048038.D	1	10/07/25 09:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBS01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048039.D	1	10/07/25 10:06	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.22	1.00	ug/L
74-87-3	Chloromethane	17.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	19.9		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.7		0.22	1.00	ug/L
67-66-3	Chloroform	22.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	21.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	22.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	21.0		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBS01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048039.D	1	10/07/25 10:06	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	23.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	22.9		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	53.5		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	128000	5.531			
540-36-3	1,4-Difluorobenzene	226000	6.745			
3114-55-4	Chlorobenzene-d5	211000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	108000	12.006			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBS01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048039.D	1	10/07/25 10:06	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBSD01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048040.D	1	10/07/25 10:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	19.7		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
67-64-1	Acetone	88.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.5		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.5		0.22	1.00	ug/L
67-66-3	Chloroform	21.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	20.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	22.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	20.7		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	DPW		Date Received:		
Client Sample ID:	VX1007WBSD01		SDG No.:	Q3278	
Lab Sample ID:	VX1007WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048040.D	1	10/07/25 10:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	23.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	20.4		0.15	1.00	ug/L
75-25-2	Bromoform	22.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 (75) - 130 (124)	110%	SPK: 50
2037-26-5	Toluene-d8	53.2		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	5.531			
540-36-3	1,4-Difluorobenzene	226000	6.745			
3114-55-4	Chlorobenzene-d5	208000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.006			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX1007WBSD01	SDG No.:	Q3278
Lab Sample ID:	VX1007WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048040.D	1	10/07/25 10:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3278

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3278

Instrument ID: MSVOA_X | Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3278
Instrument ID: MSVOA_X
Calibration Date/Time: 10/07/2025 08:44
Lab File ID: VX048036.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.546		5.41	20
Chloromethane	0.680	0.611	0.1	-10.15	20
Vinyl Chloride	0.666	0.663		-0.45	20
Bromomethane	0.422	0.428		1.42	20
Chloroethane	0.445	0.452		1.57	20
Trichlorofluoromethane	0.989	1.050		6.17	20
1,1,2-Trichlorotrifluoroethane	0.578	0.617		6.75	20
1,1-Dichloroethene	0.594	0.578		-2.69	20
Acetone	0.346	0.394		13.87	20
Carbon Disulfide	1.626	1.432		-11.93	20
Methyl tert-butyl Ether	2.169	2.312		6.59	20
Methyl Acetate	0.770	0.907		17.79	20
Methylene Chloride	0.732	0.752		2.73	20
trans-1,2-Dichloroethene	0.640	0.650		1.56	20
1,1-Dichloroethane	1.263	1.344	0.1	6.41	20
Cyclohexane	1.052	0.909		-13.59	20
2-Butanone	0.432	0.471		9.03	20
Carbon Tetrachloride	0.532	0.548		3.01	20
cis-1,2-Dichloroethene	0.783	0.803		2.55	20
Bromochloromethane	0.551	0.601		9.07	20
Chloroform	1.276	1.378		7.99	20
1,1,1-Trichloroethane	1.082	1.125		3.97	20
Methylcyclohexane	0.556	0.483		-13.13	20
Benzene	1.488	1.533		3.02	20
1,2-Dichloroethane	0.566	0.596		5.3	20
Trichloroethene	0.360	0.364		1.11	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.639		11.71	20
4-Methyl-2-Pentanone	0.477	0.523		9.64	20
Toluene	0.917	0.925		0.87	20
t-1,3-Dichloropropene	0.584	0.615		5.31	20
cis-1,3-Dichloropropene	0.624	0.663		6.25	20
1,1,2-Trichloroethane	0.354	0.392		10.73	20
2-Hexanone	0.343	0.370		7.87	20
Dibromochloromethane	0.407	0.464		14.01	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.310		-4.91	20
Chlorobenzene	1.136	1.171	0.3	3.08	20

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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3278

Instrument ID: MSVOA_X | Calibration Date/Time: 10/07/2025 08:44

Lab File ID: VX048036.D | Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.968		0.41	20
m/p-Xylenes	0.729	0.738		1.24	20
o-Xylene	0.706	0.724		2.55	20
Styrene	1.236	1.302		5.34	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.801	3.646		-4.08	20
1,1,2,2-Tetrachloroethane	1.150	1.212	0.3	5.39	20
1,3-Dichlorobenzene	1.739	1.678		-3.51	20
1,4-Dichlorobenzene	1.785	1.721		-3.59	20
1,2-Dichlorobenzene	1.657	1.647		-0.6	20
1,2-Dibromo-3-Chloropropane	0.233	0.229		-1.72	20
1,2,4-Trichlorobenzene	1.077	0.972		-9.75	20
1,2,3-Trichlorobenzene	1.002	0.943		-5.89	20
1,2-Dichloroethane-d4	0.796	0.824		3.52	20
Dibromofluoromethane	0.335	0.370		10.45	20
Toluene-d8	1.160	1.208		4.14	20
4-Bromofluorobenzene	0.440	0.455		3.41	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_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 08 01:25:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	190887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	376118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	377293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	186931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143407	47.198	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.400%			
35) Dibromofluoromethane	5.373	113	119064	47.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.400%			
50) Toluene-d8	8.634	98	421940	48.342	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.680%			
62) 4-Bromofluorobenzene	11.061	95	184344	55.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.300%			
Target Compounds						Qvalue
31) Cyclohexane	5.464	56	44440	11.068	ug/l #	89
39) Methylcyclohexane	7.366	83	42344	10.120	ug/l	88
40) Benzene	6.031	78	8330	0.744	ug/l	96
52) Toluene	8.702	92	2463	0.357	ug/l	92
65) Chlorobenzene	10.061	112	19904	2.322	ug/l	99
67) Ethyl Benzene	10.177	91	96123	6.500	ug/l	99
68) m/p-Xylenes	10.287	106	4182	0.760	ug/l	80
73) Isopropylbenzene	10.945	105	67480	4.748	ug/l	98
78) n-propylbenzene	11.286	91	144810	8.620	ug/l	100
83) tert-Butylbenzene	11.695	119	18424	1.541	ug/l	88
84) 1,2,4-Trimethylbenzene	11.731	105	24964	2.109	ug/l	100
85) sec-Butylbenzene	11.872	105	40701	2.867	ug/l	95
89) n-Butylbenzene	12.311	91	21049m	1.893	ug/l	
91) 1,2-Dichlorobenzene	12.317	146	2247	0.363	ug/l	96

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

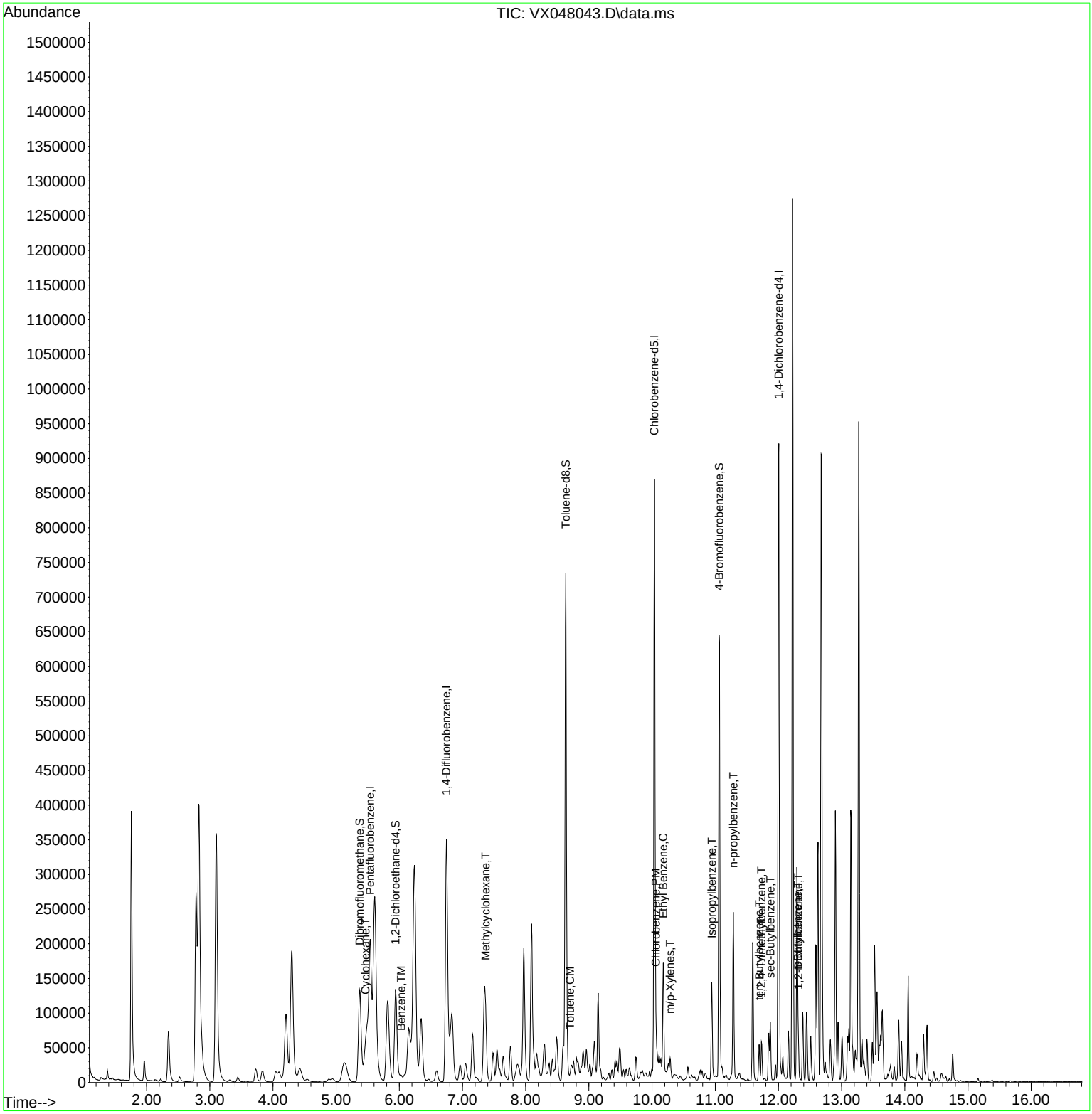
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

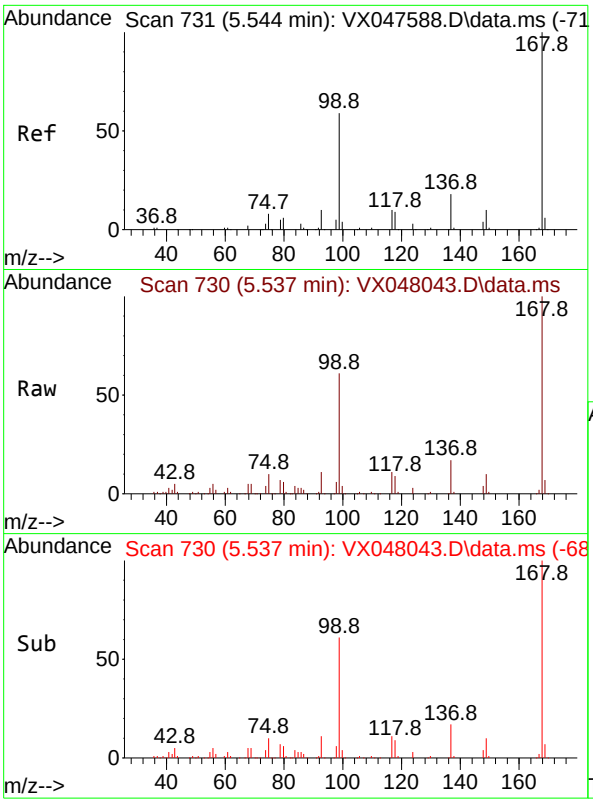
Quant Time: Oct 08 01:25:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

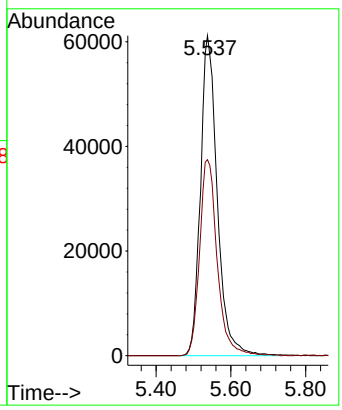




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:168 Resp: 19088

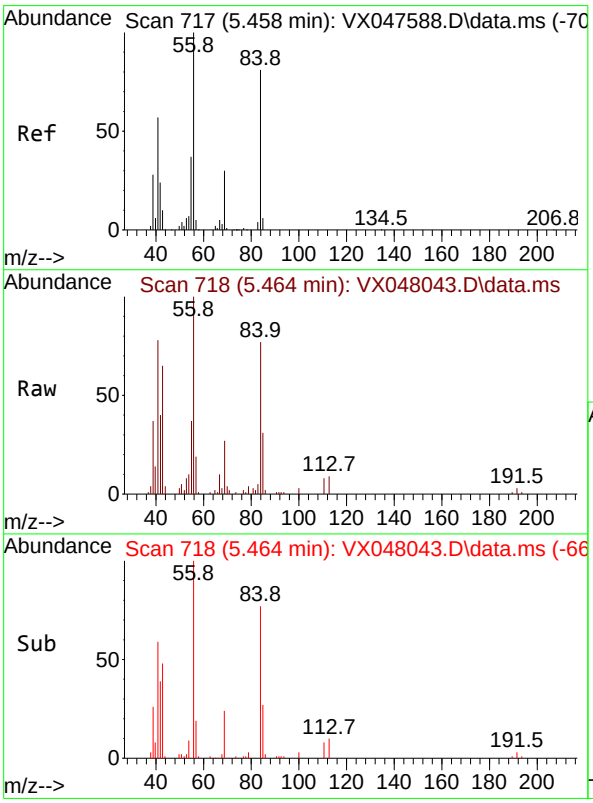
Ion	Ratio	Lower	Upper
168	100		
99	61.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

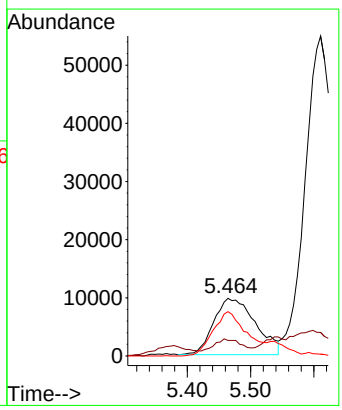
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#31
Cyclohexane
Concen: 11.068 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 56 Resp: 44440

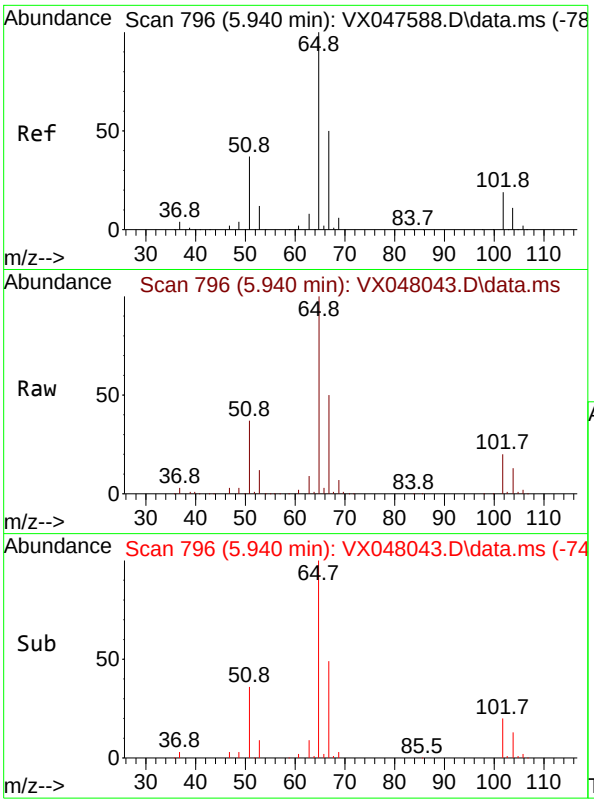
Ion	Ratio	Lower	Upper
56	100		
69	10.9	23.8	35.8#
84	78.6	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

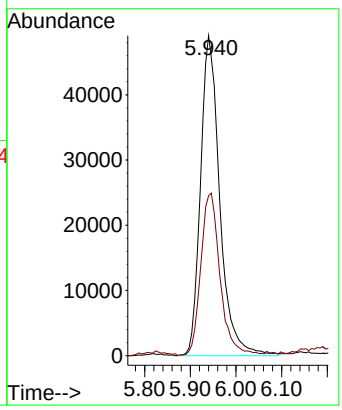
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

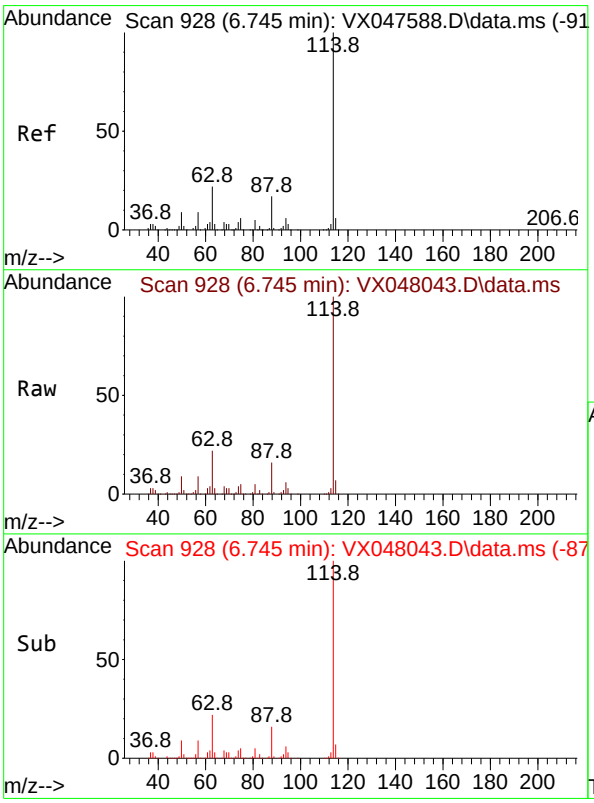


#33
1,2-Dichloroethane-d4
Concen: 47.198 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 65 Resp: 14340

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.0

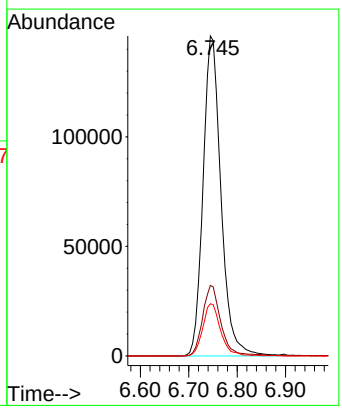


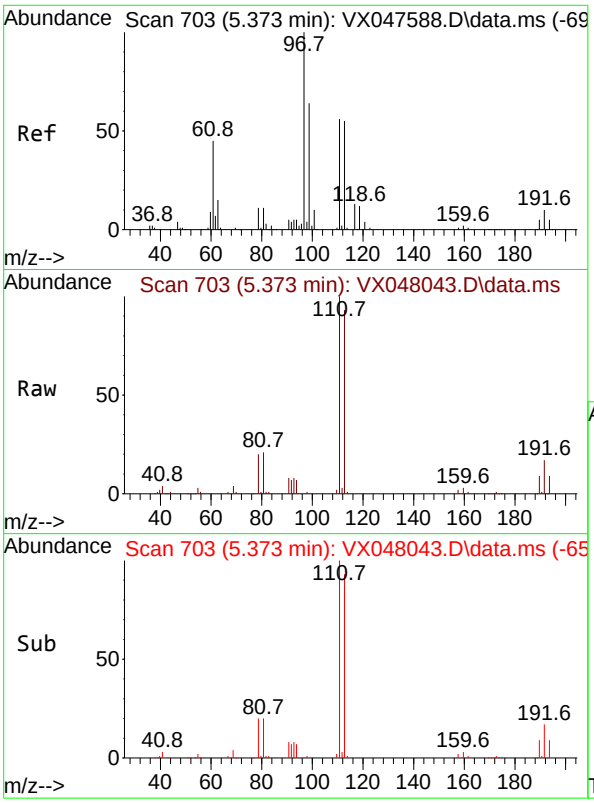


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:114 Resp: 376118

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.3	0.0	34.2

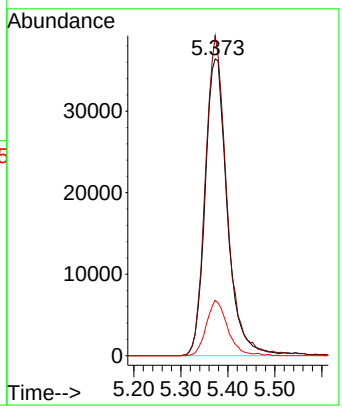




#35
Dibromofluoromethane
Concen: 47.202 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:113 Resp: 11906

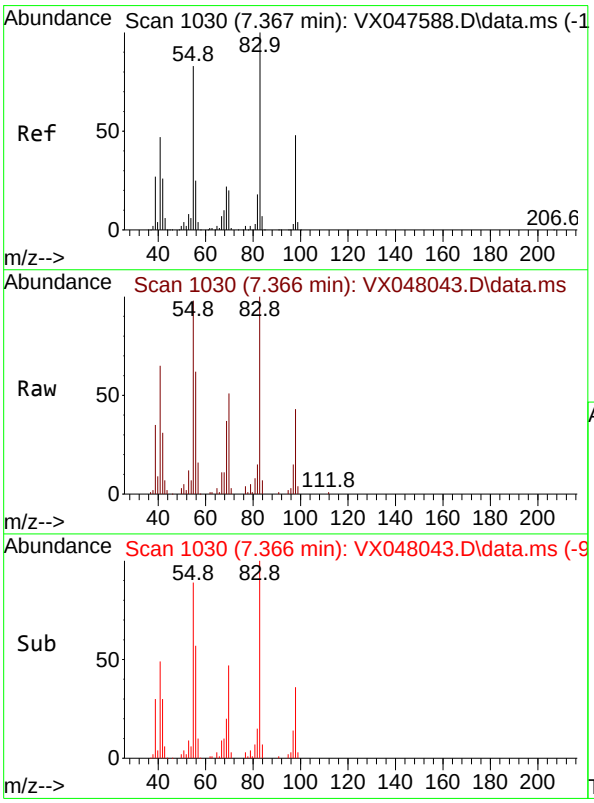
Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

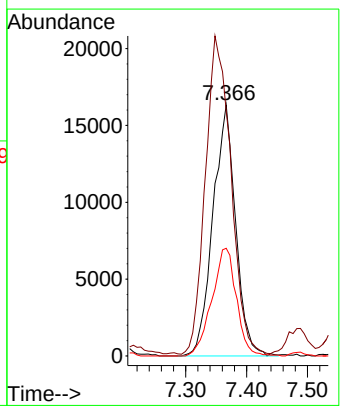
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

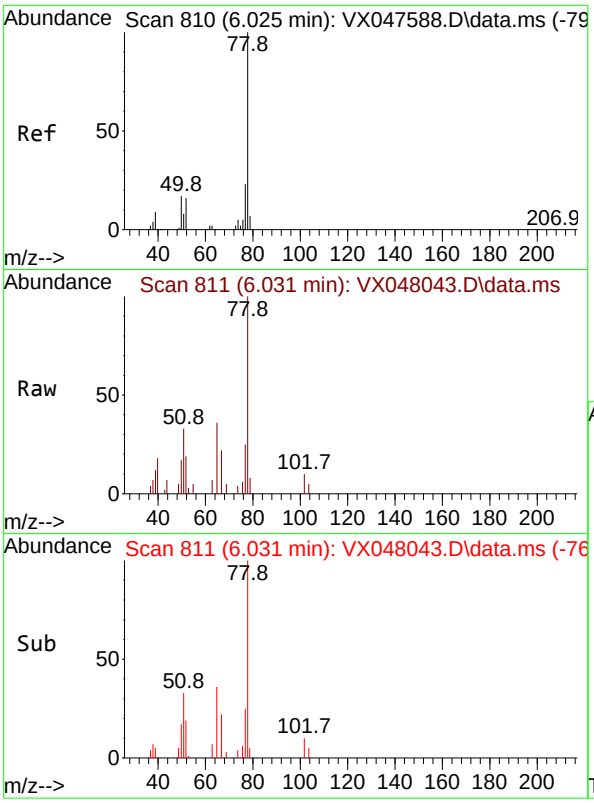


#39
Methylcyclohexane
Concen: 10.120 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 83 Resp: 42344

Ion	Ratio	Lower	Upper
83	100		
55	96.7	66.4	99.6
98	42.9	38.1	57.1





#40
Benzene
Concen: 0.744 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

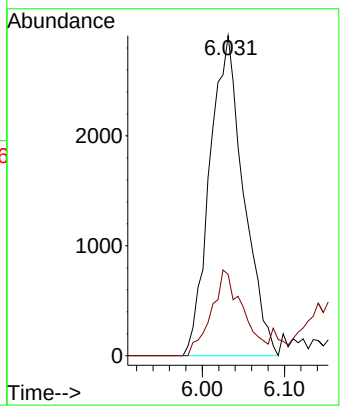
Tgt Ion: 78 Resp: 833

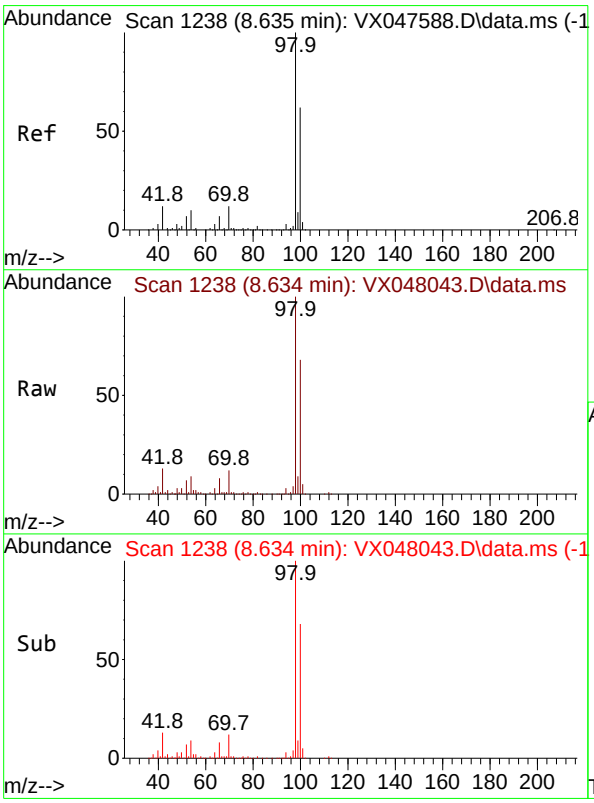
Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

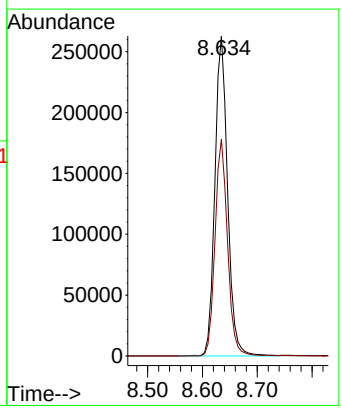


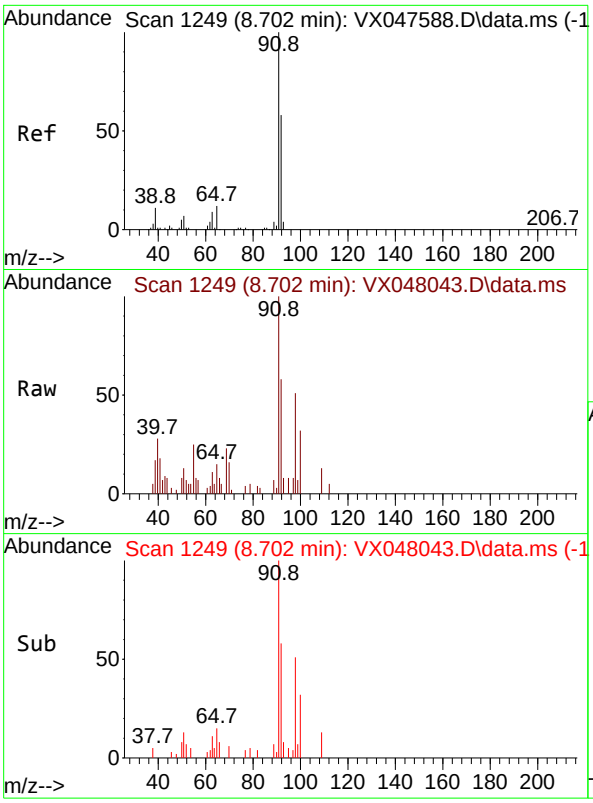


#50
Toluene-d8
Concen: 48.342 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 98 Resp: 421940

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

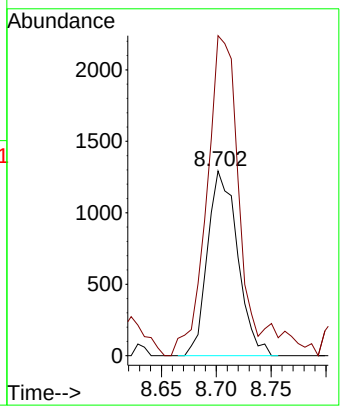




#52
Toluene
Concen: 0.357 ug/l
RT: 8.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 92 Resp: 246

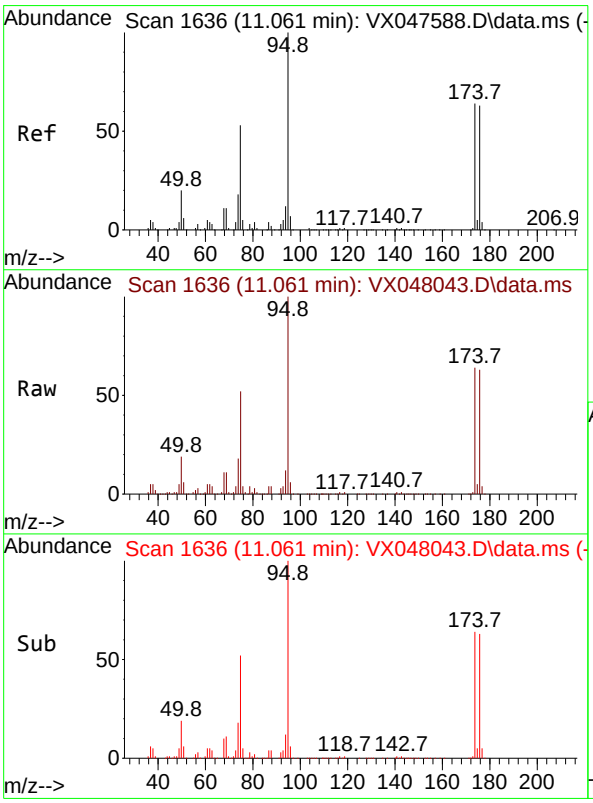
Ion	Ratio	Lower	Upper
92	100		
91	182.1	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

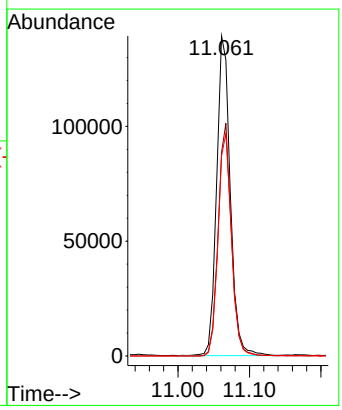
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

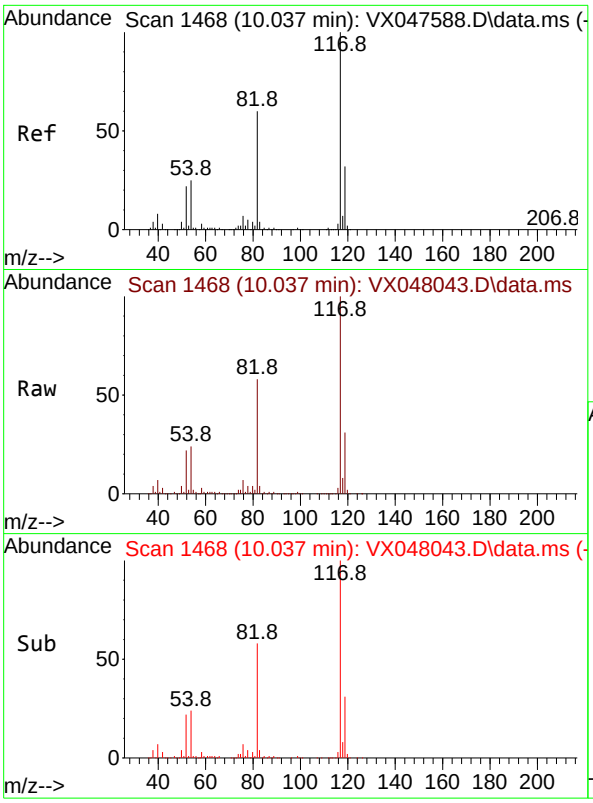


#62
4-Bromofluorobenzene
Concen: 55.651 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 95 Resp: 184344

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.2	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

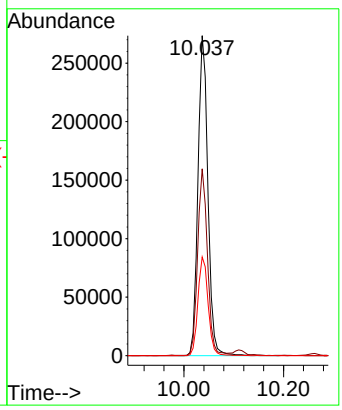
Tgt Ion:117 Resp: 37729

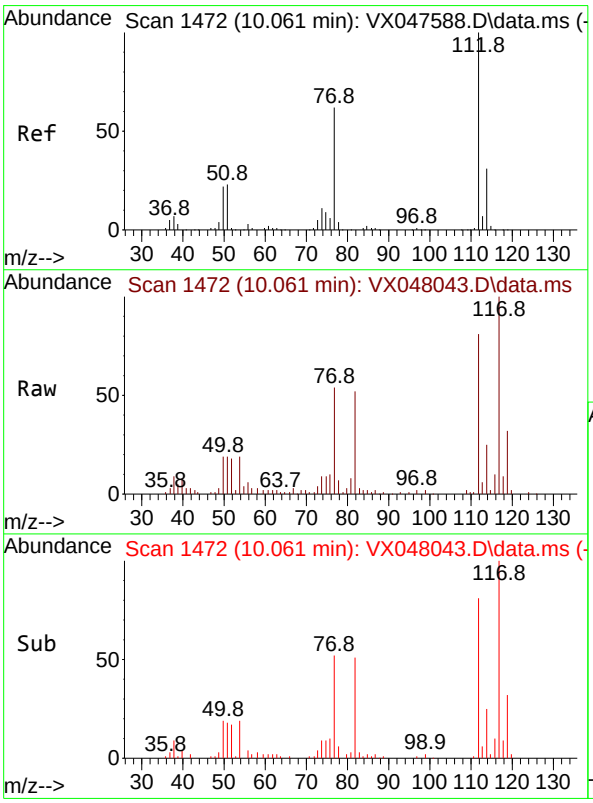
Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.8	71.6
119	30.9	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

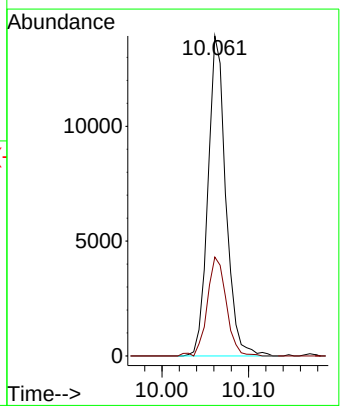


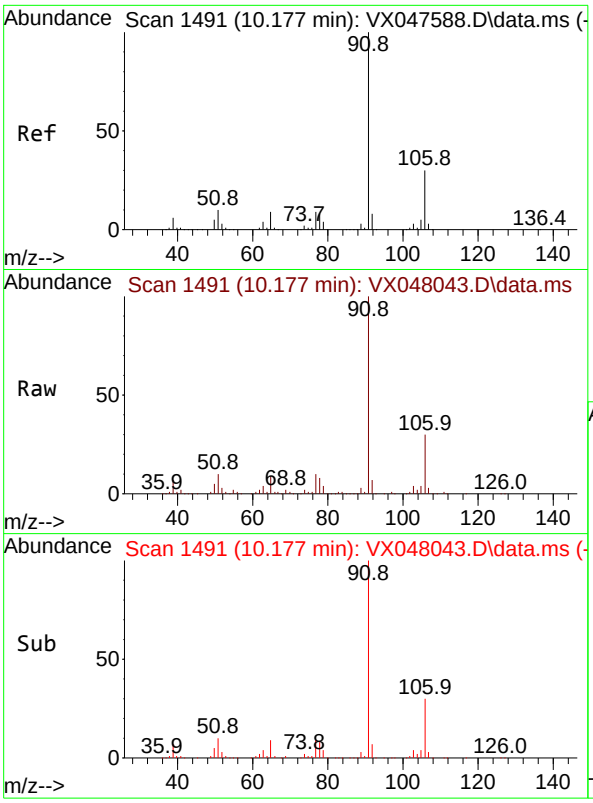


#65
Chlorobenzene
Concen: 2.322 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:112 Resp: 19904

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.1	37.7





#67
Ethyl Benzene
Concen: 6.500 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

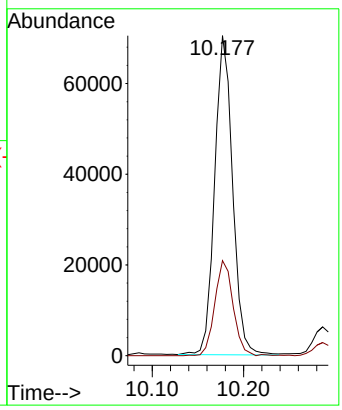
Tgt Ion: 91 Resp: 9612

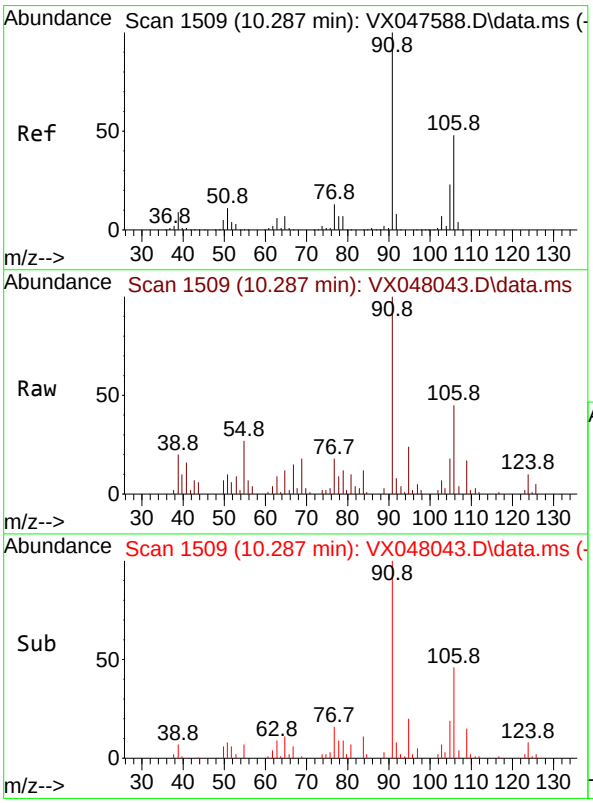
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

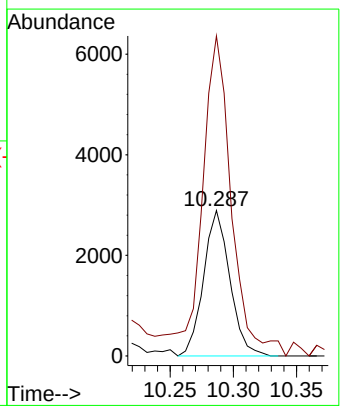


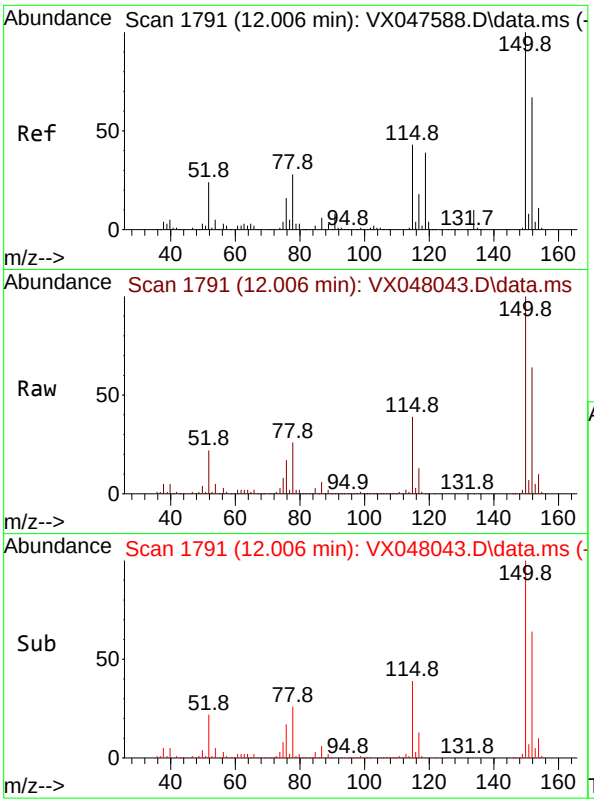


#68
m/p-Xylenes
Concen: 0.760 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:106 Resp: 4182

Ion	Ratio	Lower	Upper
106	100		
91	241.0	167.8	251.8

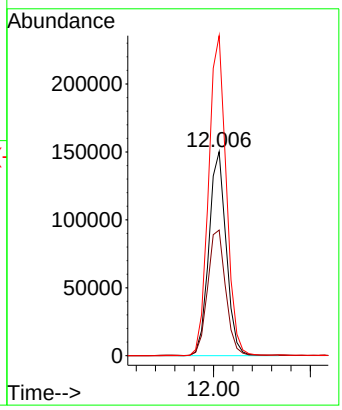




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:152 Resp: 18693

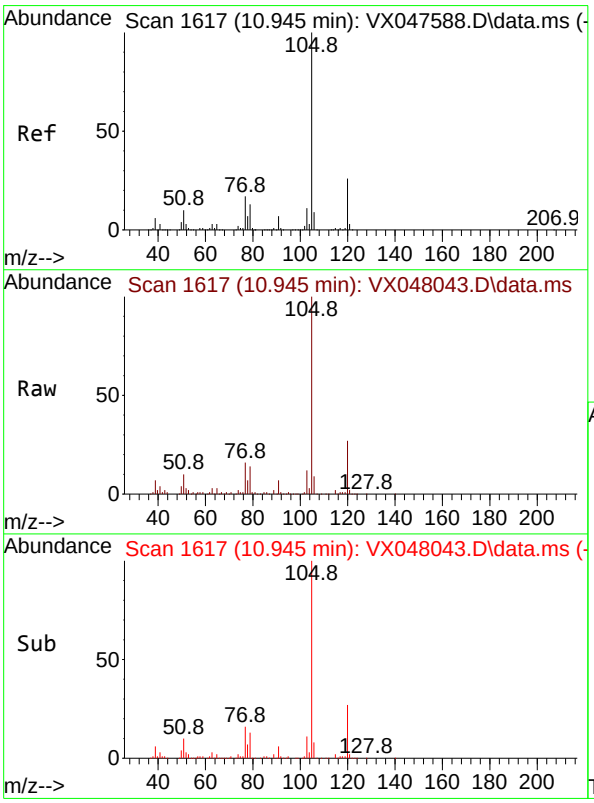
Ion	Ratio	Lower	Upper
152	100		
115	64.0	44.9	134.5
150	160.0	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

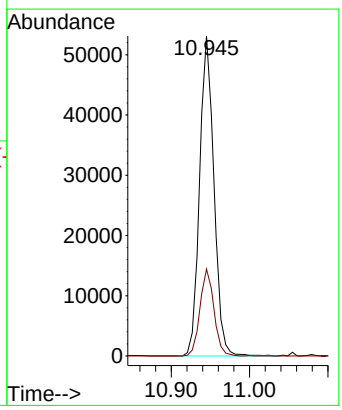
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

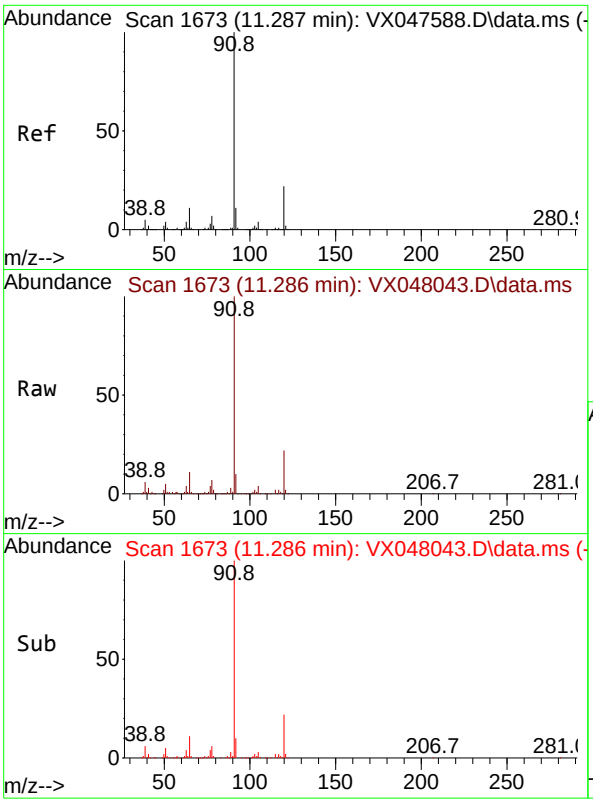


#73
Isopropylbenzene
Concen: 4.748 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:105 Resp: 67480

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4





#78
n-propylbenzene
Concen: 8.620 ug/l
RT: 11.286 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

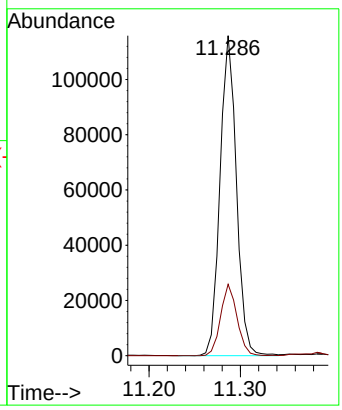
Tgt Ion: 91 Resp: 14481(

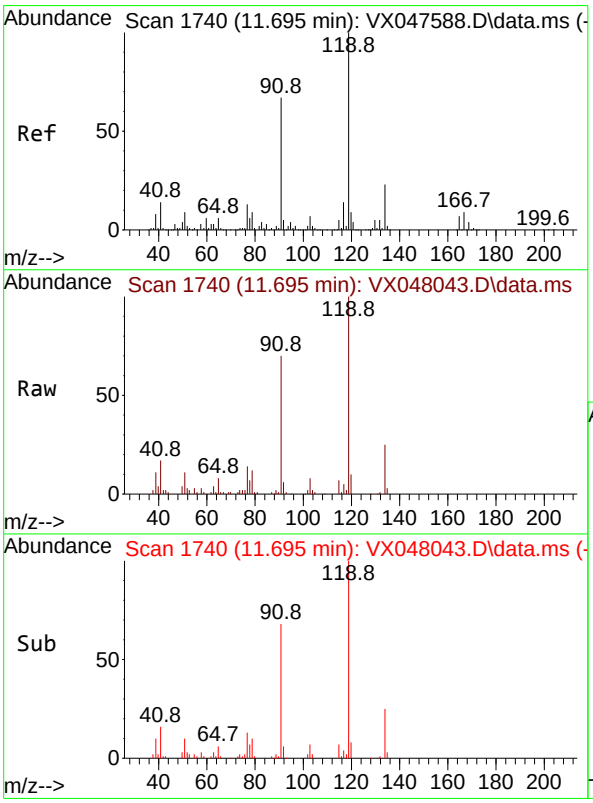
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

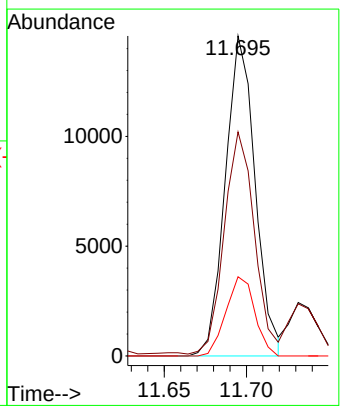


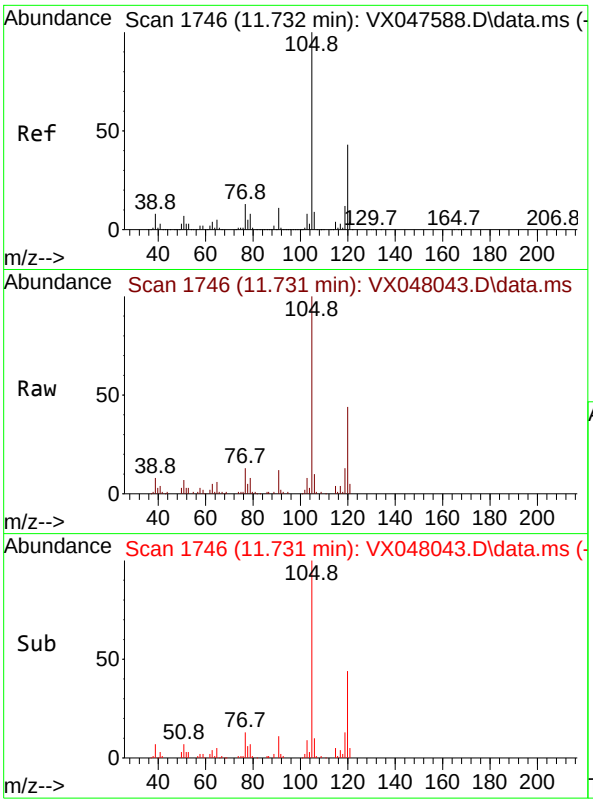


#83
tert-Butylbenzene
Concen: 1.541 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:119 Resp: 18424

Ion	Ratio	Lower	Upper
119	100		
91	70.0	29.6	88.8
134	23.9	11.0	33.0

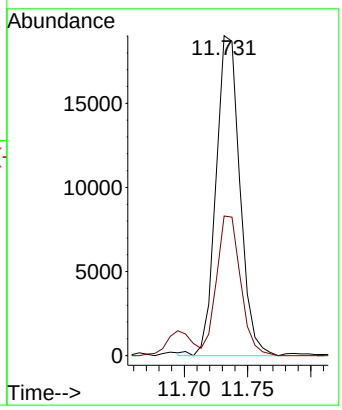




#84
1,2,4-Trimethylbenzene
Concen: 2.109 ug/l
RT: 11.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:105 Resp: 2496

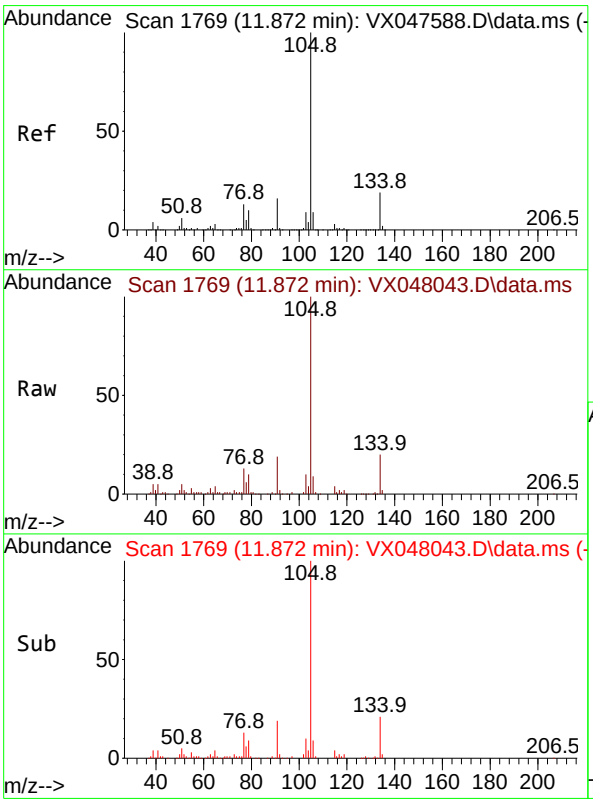
Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

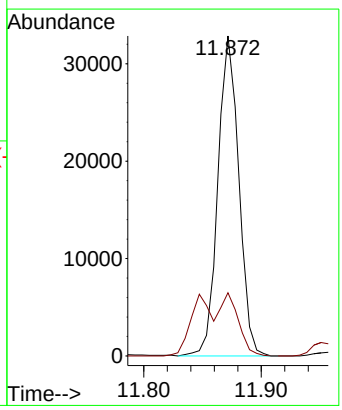
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#85
sec-Butylbenzene
Concen: 2.867 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

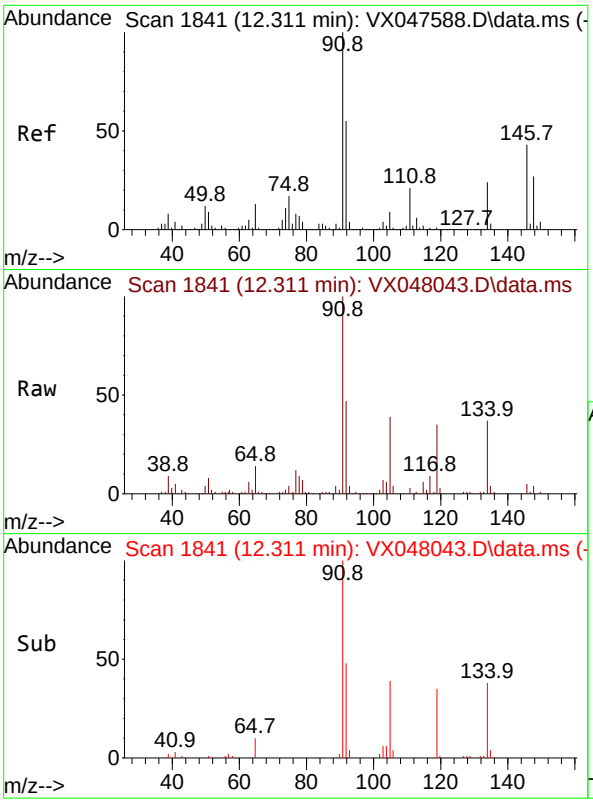
Tgt Ion:105 Resp: 40701

Ion	Ratio	Lower	Upper
105	100		
134	17.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
MW10

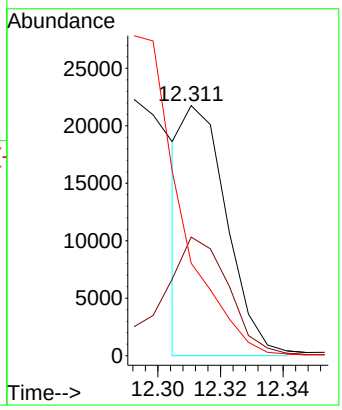
Manual Integrations
APPROVED
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

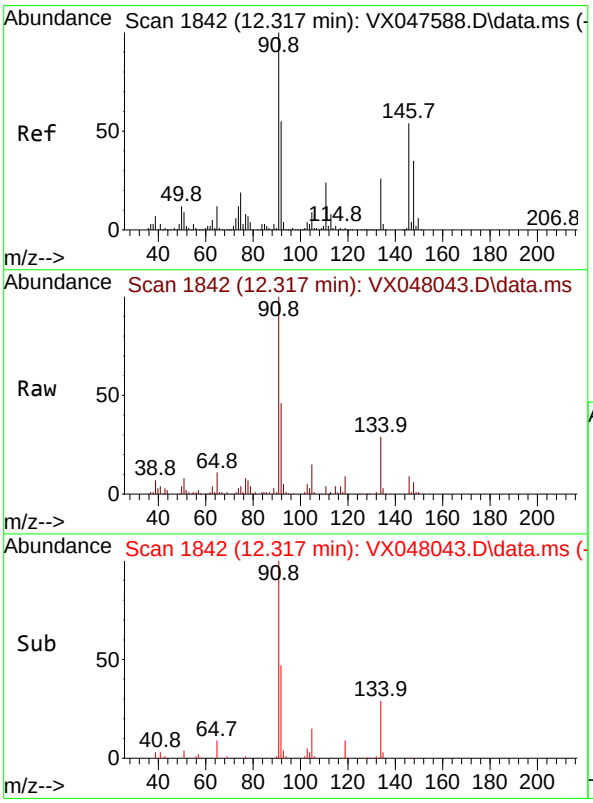


#89
n-Butylbenzene
Concen: 1.893 ug/l m
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 91 Resp: 2104

Ion	Ratio	Lower	Upper
91	100		
92	75.1	27.6	82.7
134	192.0	12.6	37.8#

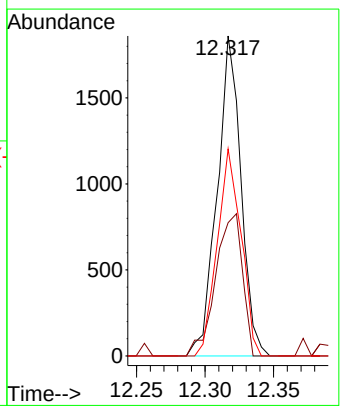




#91
1,2-Dichlorobenzene
Concen: 0.363 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:146 Resp: 2247

Ion	Ratio	Lower	Upper
146	100		
111	50.1	22.2	66.6
148	64.8	31.8	95.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048043.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.758	104	110	129	rBV	388692	619697	39.08%	2.165%
2	1.965	139	144	156	rVB	28045	46909	2.96%	0.164%
3	2.343	198	206	221	rBV	71815	168565	10.63%	0.589%
4	2.782	269	278	281	rBV	272519	574478	36.23%	2.007%
5	2.825	281	285	313	rVB	400087	1076532	67.90%	3.761%
6	3.099	320	330	360	rVB	358094	914245	57.66%	3.194%
7	3.727	423	433	442	rBV2	18481	49859	3.14%	0.174%
8	3.837	442	451	467	rVB5	15790	49475	3.12%	0.173%
9	4.044	475	485	489	rBV3	14663	42725	2.69%	0.149%
10	4.208	501	512	519	rBV2	90702	283038	17.85%	0.989%
11	4.300	519	527	540	rVV	184763	575560	36.30%	2.011%
12	4.422	541	547	559	rVB9	17372	63242	3.99%	0.221%
13	5.129	646	663	682	rBV9	27638	157036	9.90%	0.549%
14	5.373	690	703	712	rBV2	132476	421738	26.60%	1.474%
15	5.537	712	730	735	rVV3	203252	877668	55.36%	3.067%
16	5.611	736	742	765	rVB	265257	902200	56.90%	3.152%
17	5.812	765	775	788	rBV4	114080	384994	24.28%	1.345%
18	5.940	788	796	808	rBV	127440	345650	21.80%	1.208%
19	6.147	821	830	836	rBV2	67138	226383	14.28%	0.791%
20	6.239	836	845	855	rVV	305131	1007039	63.51%	3.519%
21	6.348	855	863	875	rVB2	88960	277602	17.51%	0.970%
22	6.592	890	903	916	rVB5	15787	48380	3.05%	0.169%
23	6.745	918	928	936	rBV	349592	926305	58.42%	3.236%
24	6.830	937	942	956	rVB4	95772	296911	18.73%	1.037%
25	6.958	956	963	971	rBV3	21632	53999	3.41%	0.189%
26	7.049	971	978	988	rVB4	24593	64545	4.07%	0.226%
27	7.159	988	996	1004	rBV2	66668	158810	10.02%	0.555%
28	7.348	1018	1027	1041	rBV3	137658	414871	26.17%	1.450%
29	7.482	1041	1049	1054	rBV2	41005	88707	5.59%	0.310%
30	7.543	1054	1059	1065	rBV	36620	75920	4.79%	0.265%
31	7.647	1070	1076	1088	rVB3	33813	77865	4.91%	0.272%
32	7.757	1088	1094	1102	rVB2	49079	107373	6.77%	0.375%
33	7.872	1102	1113	1120	rBV6	23841	93269	5.88%	0.326%
34	7.970	1120	1129	1141	rVB	191256	432367	27.27%	1.511%
35	8.092	1141	1149	1158	rBV2	225983	516809	32.60%	1.806%
36	8.171	1158	1162	1174	rVB5	32669	81071	5.11%	0.283%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

37	8.293	1174	1182	1189	rBV5	46167	106386	6.71%	0.372%
38	8.421	1199	1203	1207	rBV2	23771	38560	2.43%	0.135%
39	8.488	1209	1214	1225	rVB3	61566	137714	8.69%	0.481%
40	8.592	1225	1231	1232	rBV2	50245	74480	4.70%	0.260%
41	8.634	1232	1238	1248	rVB	724429	1185918	74.80%	4.144%
42	8.909	1275	1283	1288	rBV2	31383	71840	4.53%	0.251%
43	8.958	1288	1291	1297	rVV3	35180	62941	3.97%	0.220%
44	9.086	1304	1312	1317	rBV2	51047	104447	6.59%	0.365%
45	9.147	1317	1322	1333	rVB	123966	221155	13.95%	0.773%
46	9.415	1362	1366	1368	rVV	25816	37202	2.35%	0.130%
47	9.445	1368	1371	1374	rVV3	25206	38374	2.42%	0.134%
48	9.488	1374	1378	1384	rVB3	42288	85899	5.42%	0.300%
49	9.640	1399	1403	1414	rVB5	18438	46299	2.92%	0.162%
50	9.744	1414	1420	1427	rBV3	33763	67074	4.23%	0.234%
51	10.037	1463	1468	1478	rVV	853855	1236009	77.96%	4.319%
52	10.177	1487	1491	1499	rVB	157193	210999	13.31%	0.737%
53	10.287	1506	1509	1514	rVB	29029	42696	2.69%	0.149%
54	10.567	1547	1555	1562	rBV3	17700	33409	2.11%	0.117%
55	10.945	1612	1617	1625	rBV	139485	190708	12.03%	0.666%
56	11.061	1631	1636	1642	rBV	637397	857444	54.08%	2.996%
57	11.286	1663	1673	1681	rBV	241287	318524	20.09%	1.113%
58	11.591	1718	1723	1733	rVB	198069	268819	16.95%	0.939%
59	11.695	1733	1740	1743	rBV	52291	68266	4.31%	0.239%
60	11.731	1743	1746	1752	rVB	53879	69142	4.36%	0.242%
61	11.847	1759	1765	1767	rBV	68833	93805	5.92%	0.328%
62	11.872	1767	1769	1775	rVV	84384	94259	5.95%	0.329%
63	12.006	1785	1791	1798	rVV	918558	1233747	77.81%	4.311%
64	12.073	1798	1802	1810	rVV	34033	57562	3.63%	0.201%
65	12.158	1810	1816	1821	rVV	71703	92157	5.81%	0.322%
66	12.225	1821	1827	1834	rVV2	1271167	1585514	100.00%	5.540%
67	12.292	1834	1838	1849	rVV2	307363	439981	27.75%	1.537%
68	12.384	1849	1853	1859	rVB	98683	123175	7.77%	0.430%
69	12.445	1859	1863	1869	rVB2	99077	146252	9.22%	0.511%
70	12.512	1869	1874	1881	rBV	64350	82368	5.20%	0.288%
71	12.591	1881	1887	1890	rBV	194930	270492	17.06%	0.945%
72	12.628	1890	1893	1897	rVV	342640	410528	25.89%	1.434%
73	12.676	1897	1901	1909	rVV	902832	1296349	81.76%	4.529%
74	12.743	1909	1912	1920	rVV2	25339	48493	3.06%	0.169%
75	12.823	1920	1925	1930	rVB3	58456	89018	5.61%	0.311%
76	12.902	1930	1938	1942	rBV	388739	494051	31.16%	1.726%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

77	12.945	1942	1945	1950	rVV2	83902	104107	6.57%	0.364%
78	13.006	1950	1955	1963	rVB2	65349	105191	6.63%	0.368%
79	13.097	1963	1970	1971	rBV	64567	81464	5.14%	0.285%
80	13.115	1971	1973	1975	rVV2	74048	87483	5.52%	0.306%
81	13.146	1975	1978	1987	rVV	388315	553198	34.89%	1.933%
82	13.219	1987	1990	1992	rVV2	42066	61625	3.89%	0.215%
83	13.274	1994	1999	2004	rVV2	948856	1242846	78.39%	4.342%
84	13.323	2004	2007	2010	rVV3	57720	86444	5.45%	0.302%
85	13.353	2010	2012	2017	rVV3	28339	44177	2.79%	0.154%
86	13.402	2017	2020	2028	rVB2	60268	79083	4.99%	0.276%
87	13.487	2028	2034	2036	rBV2	55852	75742	4.78%	0.265%
88	13.524	2036	2040	2043	rVV	192897	267022	16.84%	0.933%
89	13.560	2043	2046	2050	rVV3	126462	192623	12.15%	0.673%
90	13.597	2050	2052	2053	rVV	49367	48900	3.08%	0.171%
91	13.621	2053	2056	2057	rVV2	63731	83928	5.29%	0.293%
92	13.646	2057	2060	2067	rVB2	98786	156256	9.86%	0.546%
93	13.774	2076	2081	2087	rVB2	19448	38053	2.40%	0.133%
94	13.902	2096	2102	2106	rBV2	87532	126854	8.00%	0.443%
95	13.951	2106	2110	2114	rVB	53063	64213	4.05%	0.224%
96	14.054	2122	2127	2133	rBV	151414	179430	11.32%	0.627%
97	14.194	2145	2150	2155	rBV2	35514	60220	3.80%	0.210%
98	14.298	2163	2167	2172	rBV	65132	87199	5.50%	0.305%
99	14.353	2172	2176	2181	rVB	79578	101673	6.41%	0.355%
100	14.755	2238	2242	2253	rBV	39132	58987	3.72%	0.206%

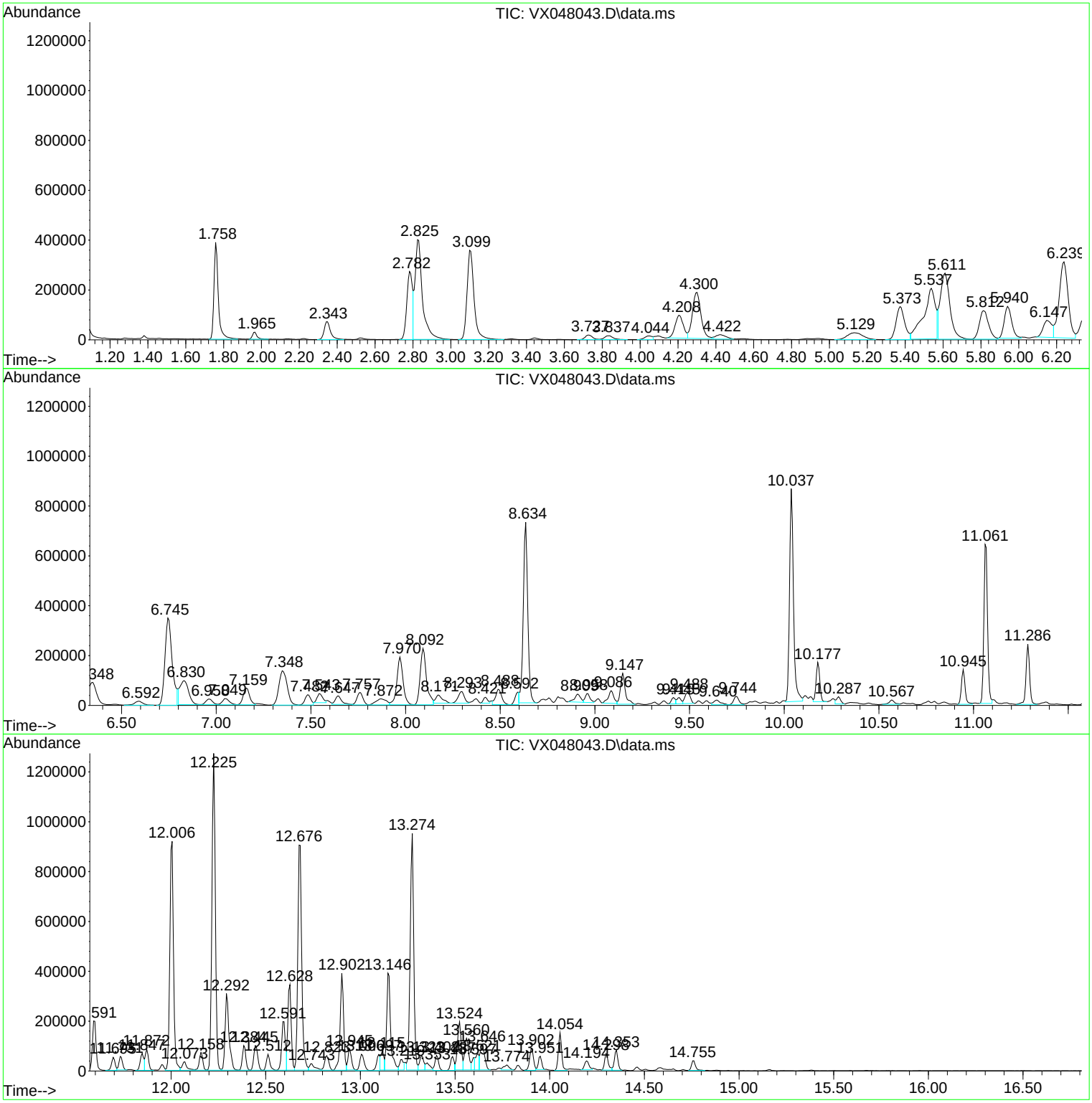
Sum of corrected areas: 28620611

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

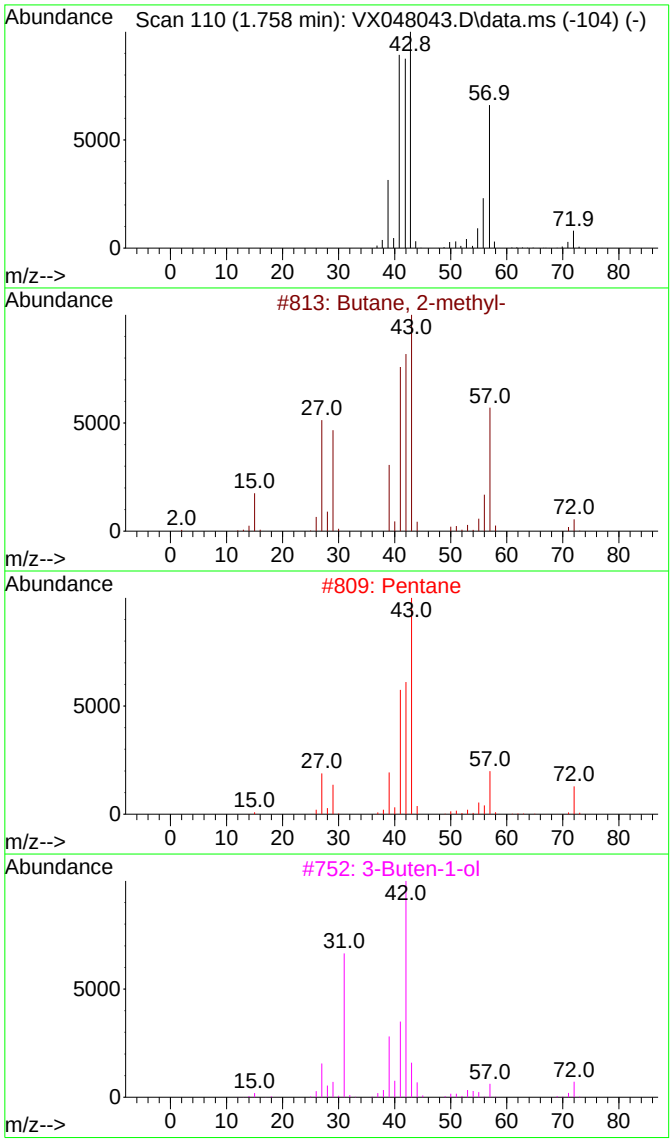
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

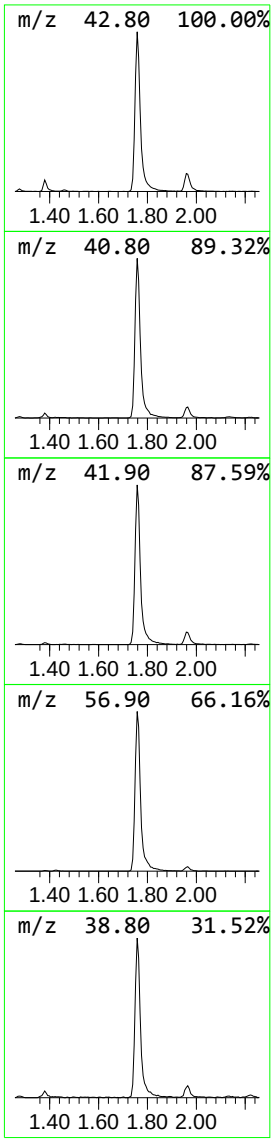
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.758	35.30 ug/l	619697	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Pentane	72	C5H12	000109-66-0	36
3	3-Buten-1-ol	72	C4H8O	000627-27-0	33
4	1-Butene	56	C4H8	000106-98-9	14
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

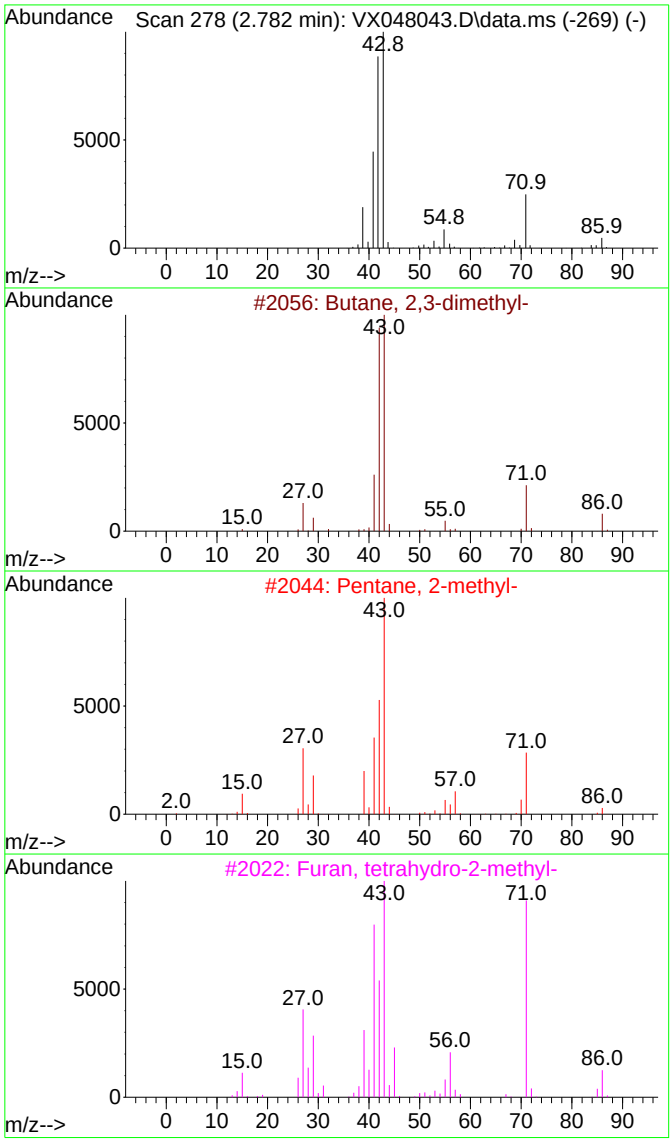
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

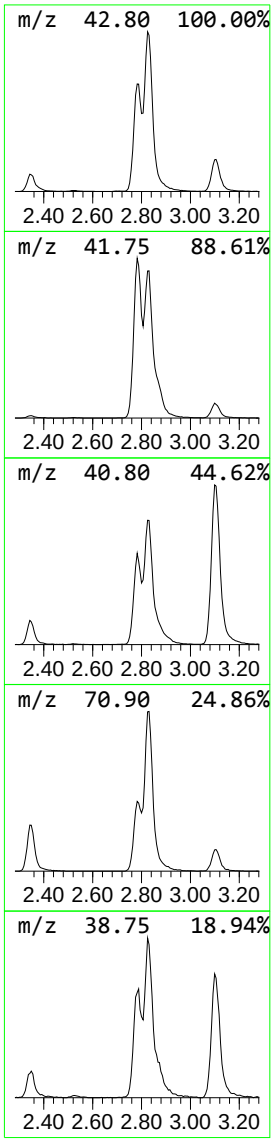
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.782	32.73 ug/l	574478	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
4	Octane, 2-methyl-	128	C9H20	003221-61-2	9
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

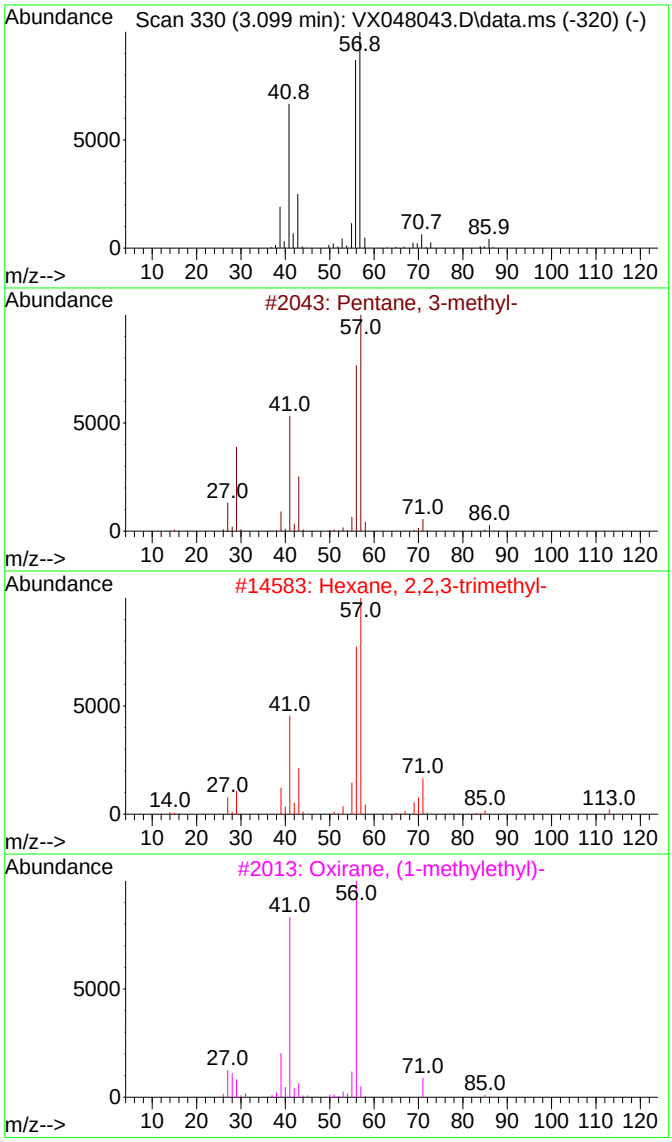
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

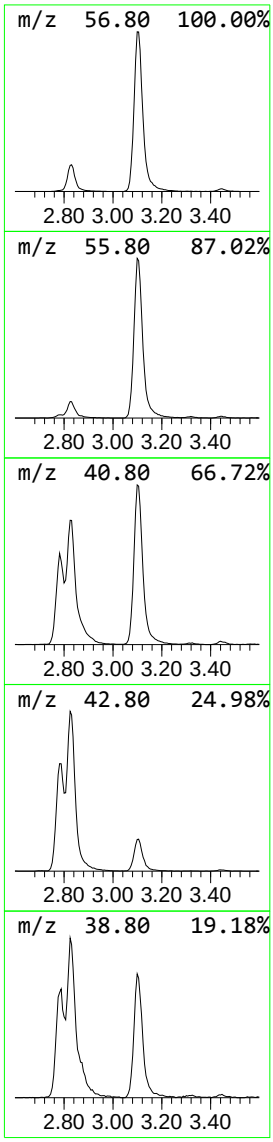
****

Peak Number 4 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.099	52.08 ug/l	914245	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

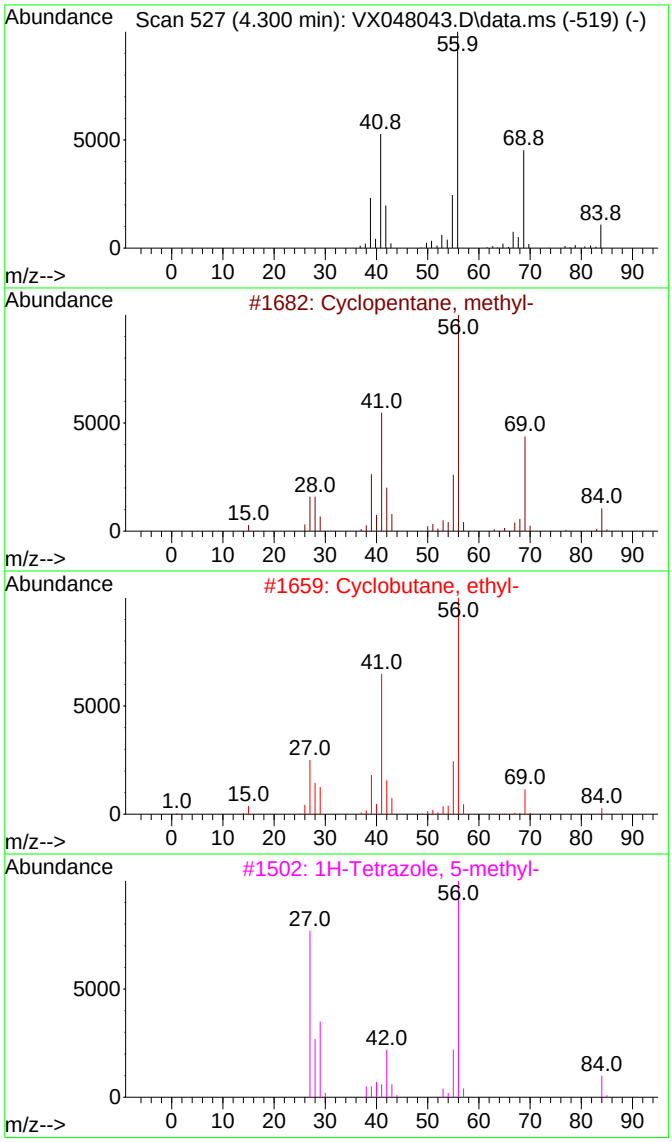
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

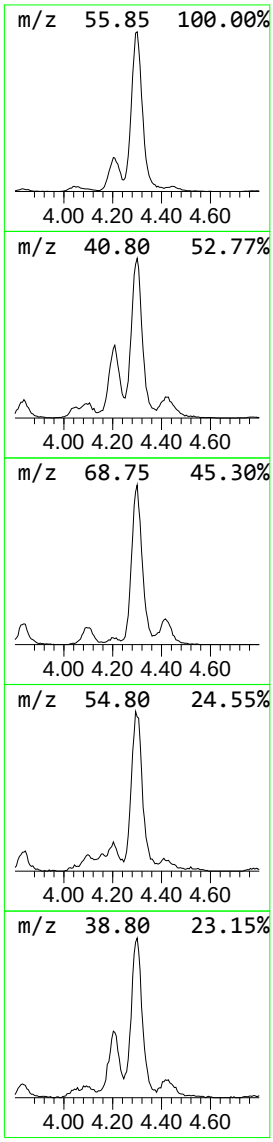
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.300	32.79 ug/l	575560	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	56
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

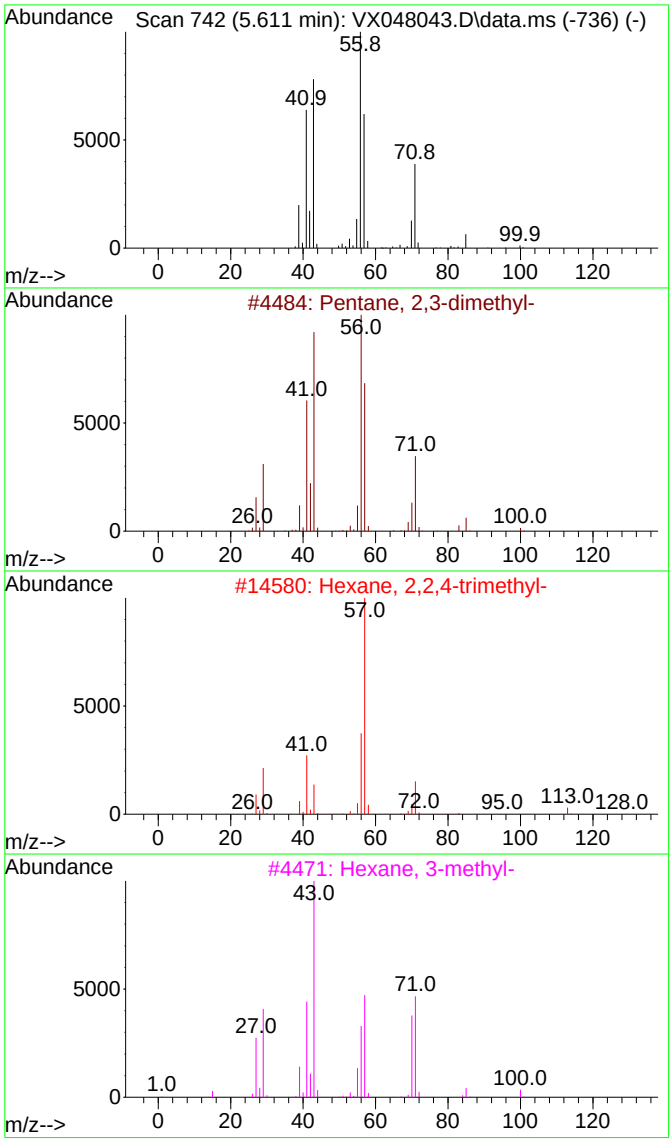
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

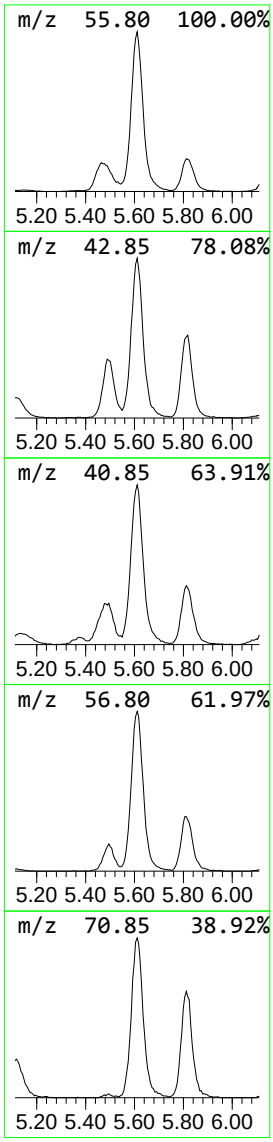
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.611	51.40 ug/l	902200	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	37
4	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	33
5	Heptane	100	C7H16	000142-82-5	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

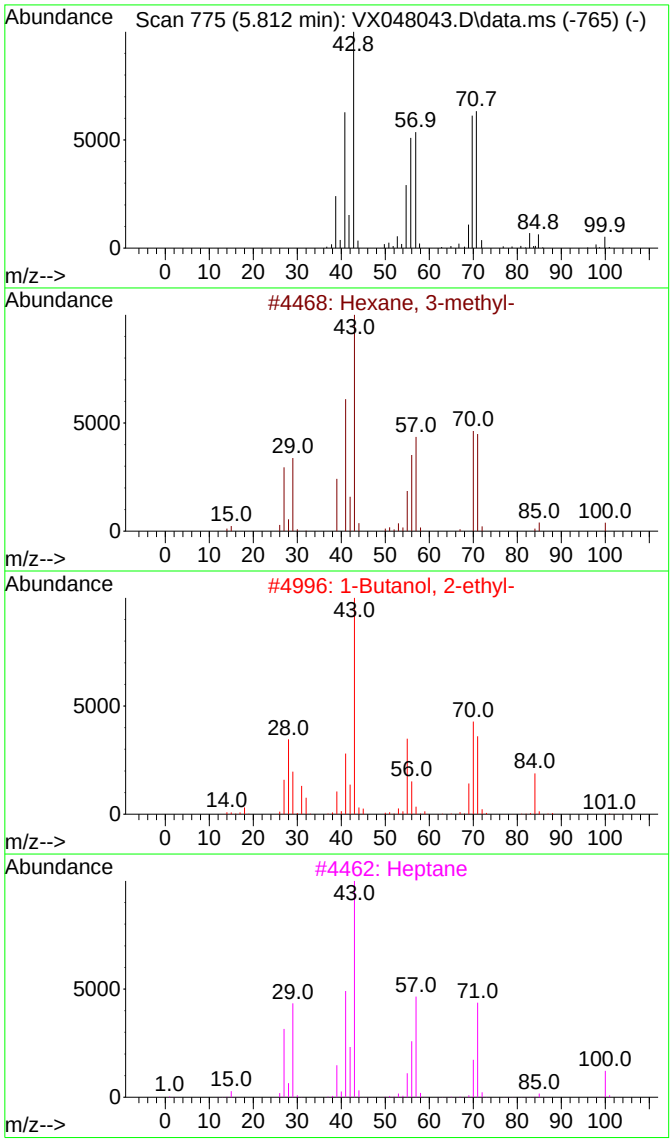
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

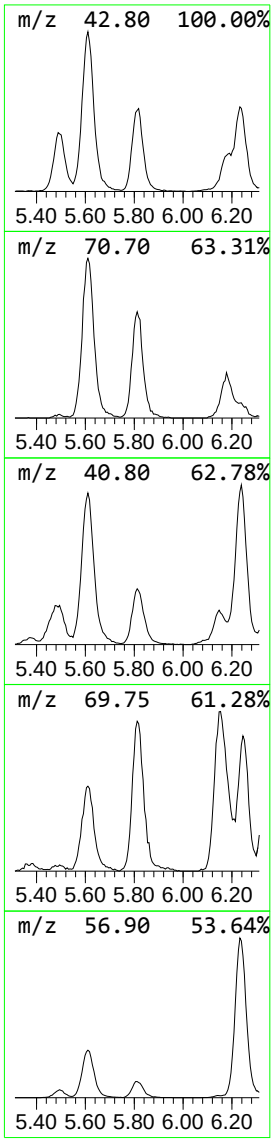
****

Peak Number 7 Hexane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.812	21.93 ug/l	384994	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	93
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	59
3	Heptane	100	C7H16	000142-82-5	58
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

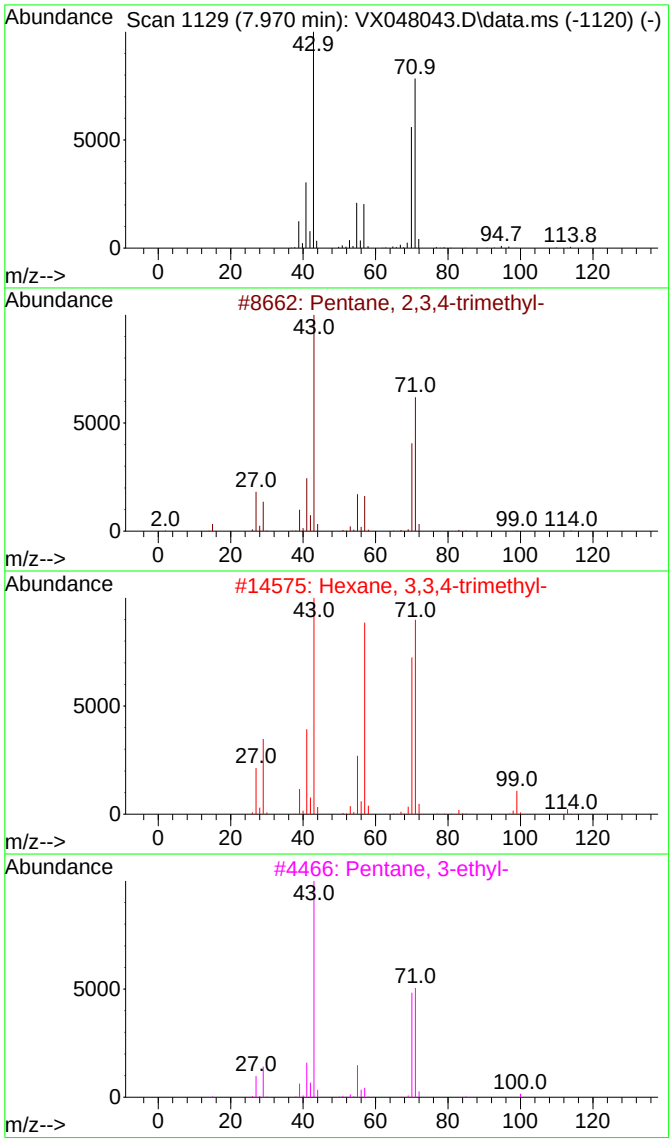
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

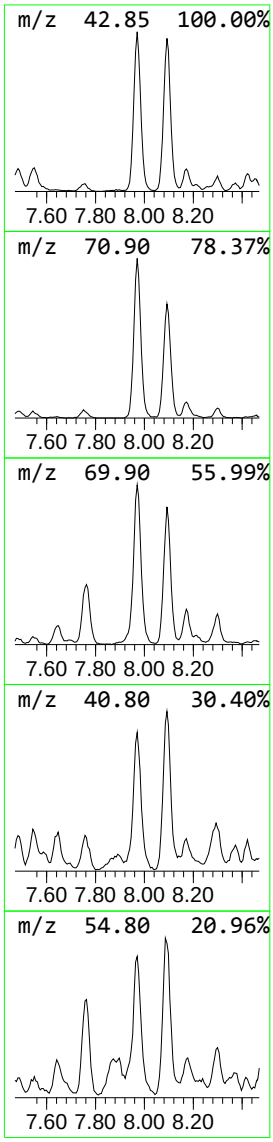
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.970	23.34 ug/l	432367	1,4-Difluorobenzene	6.745

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	74
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

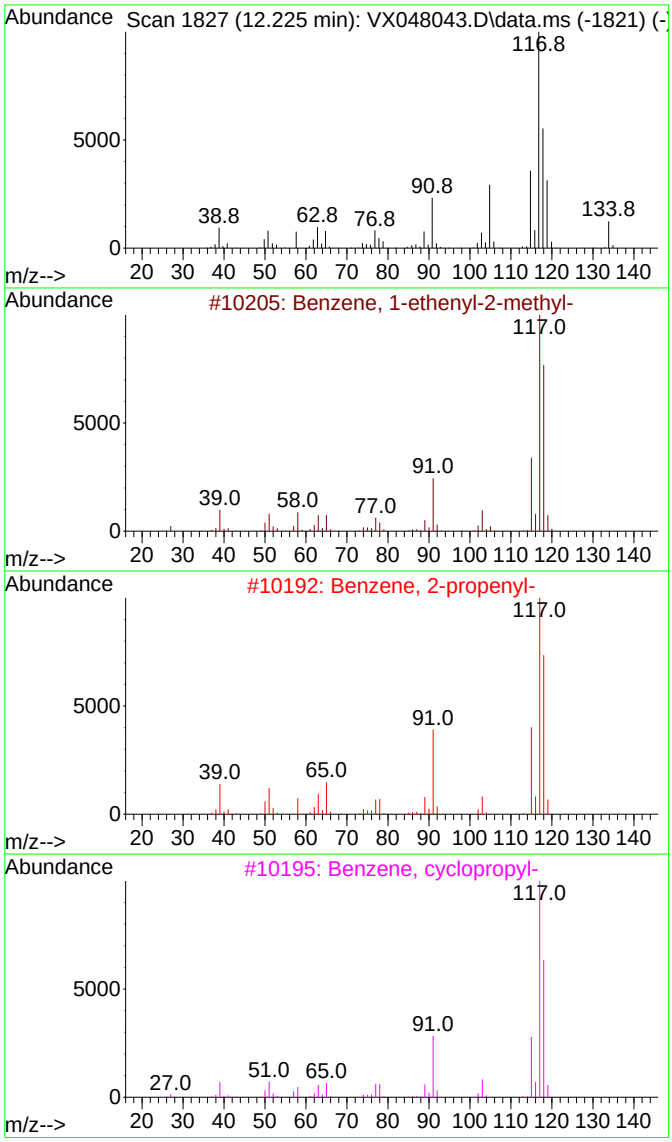
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

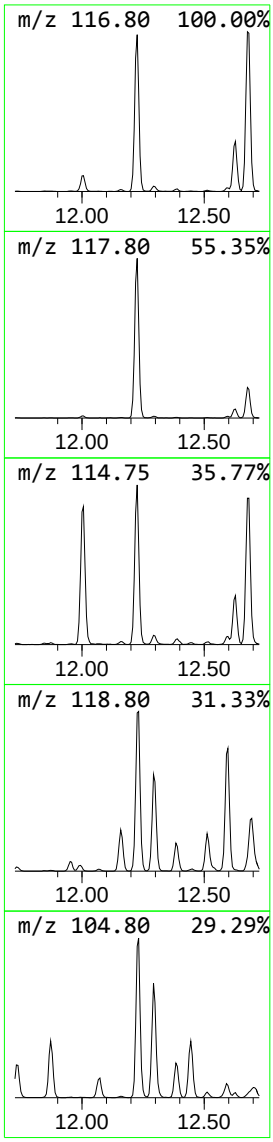
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.225	64.26 ug/l	1585510	1,4-Dichlorobenzene-d4	12.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

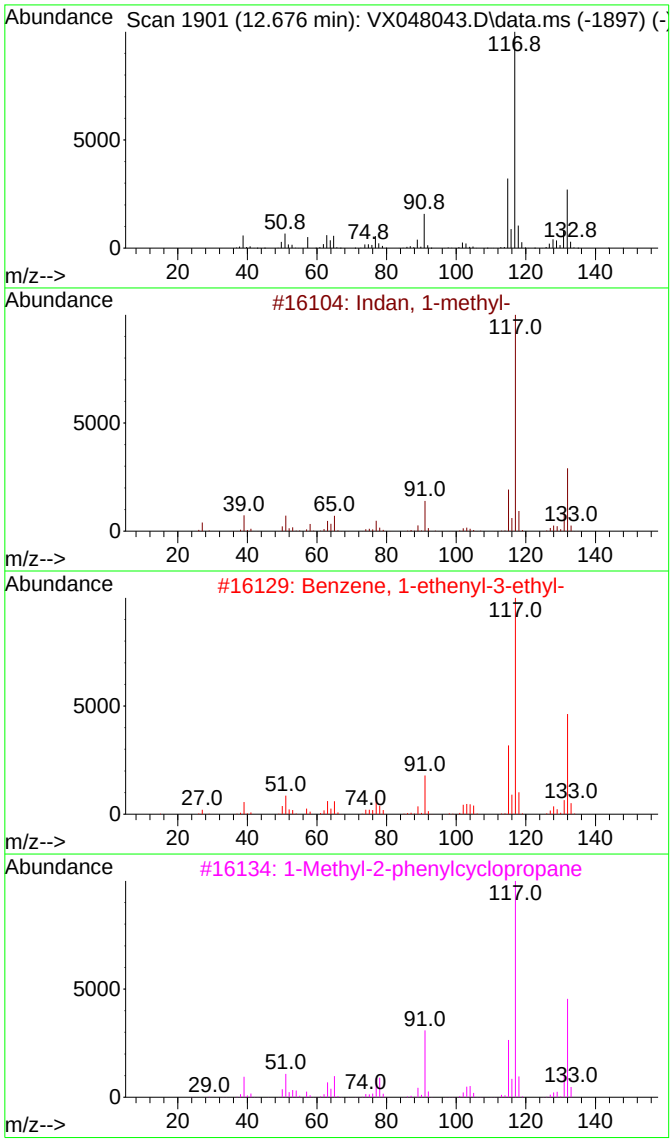
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

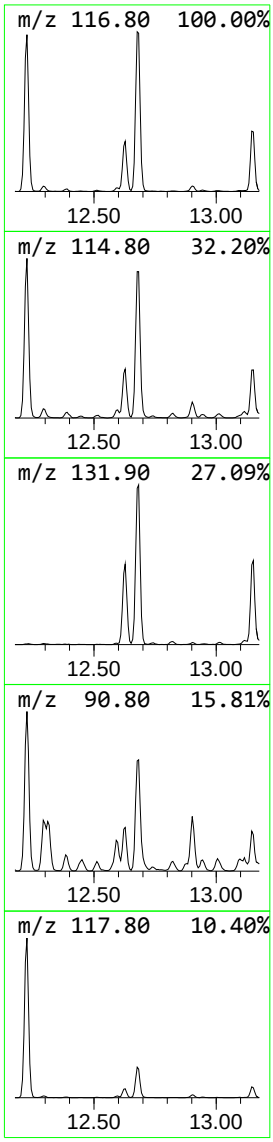
****

Peak Number 12 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.676	52.54 ug/l	1296350	1,4-Dichlorobenzene-d4	12.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

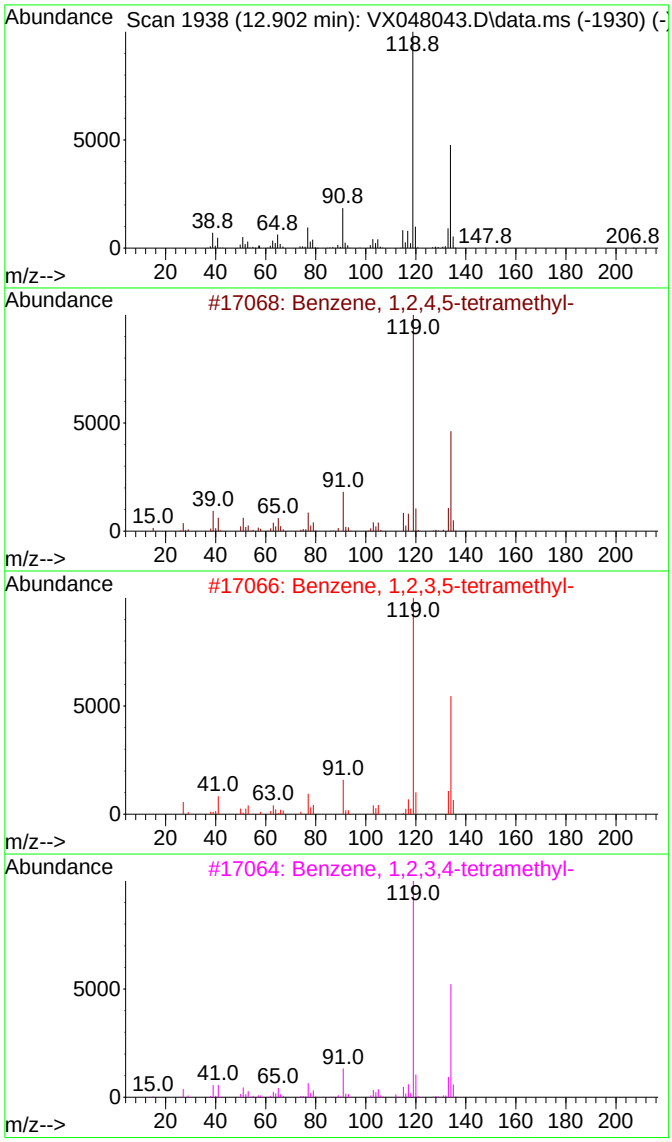
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

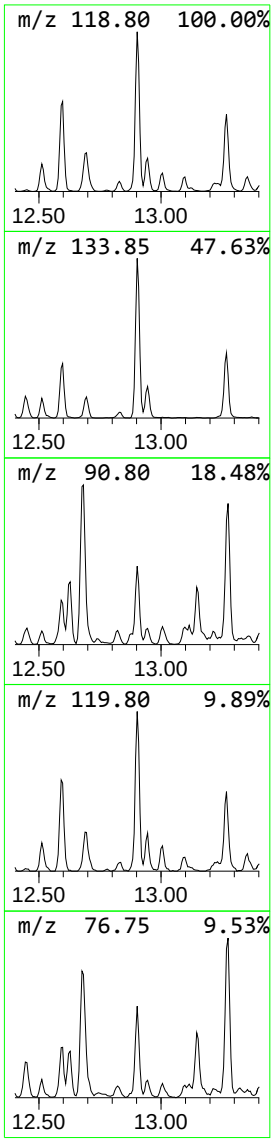
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	20.02 ug/l	494051	1,4-Dichlorobenzene-d4	12.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On    : 07 Oct 2025  11:38
Operator  : JC/MD
Sample    : Q3278-01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title  : SW846 8260

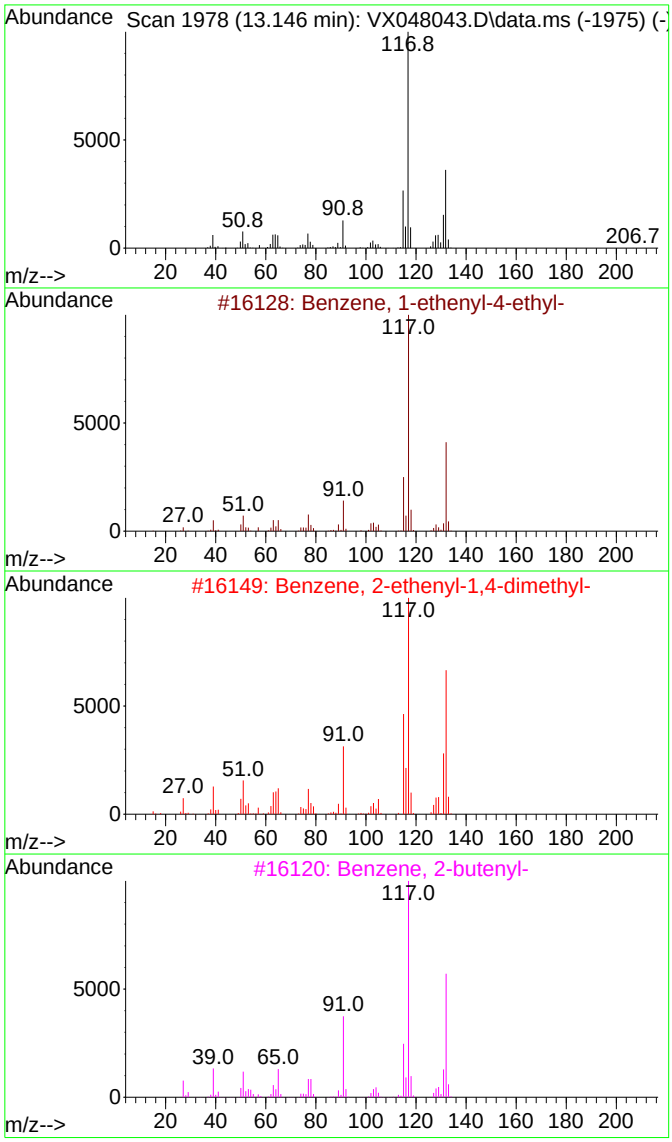
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

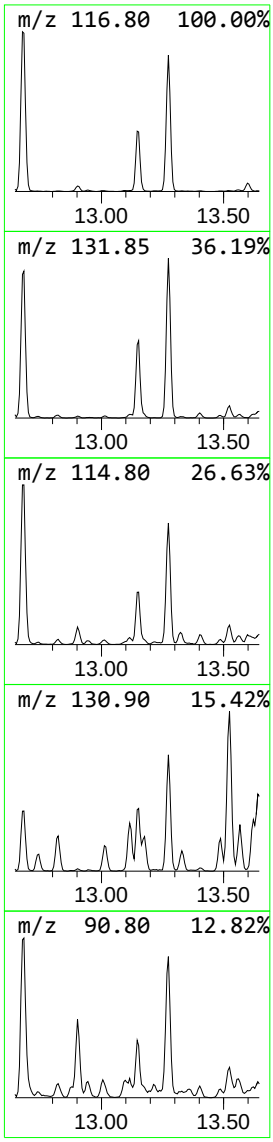
Instrument :
MSVOA_X
ClientSampleId :
MW10

Peak Number 14 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.146	22.42 ug/l	553198	1,4-Dichlorobenzene-d4	12.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

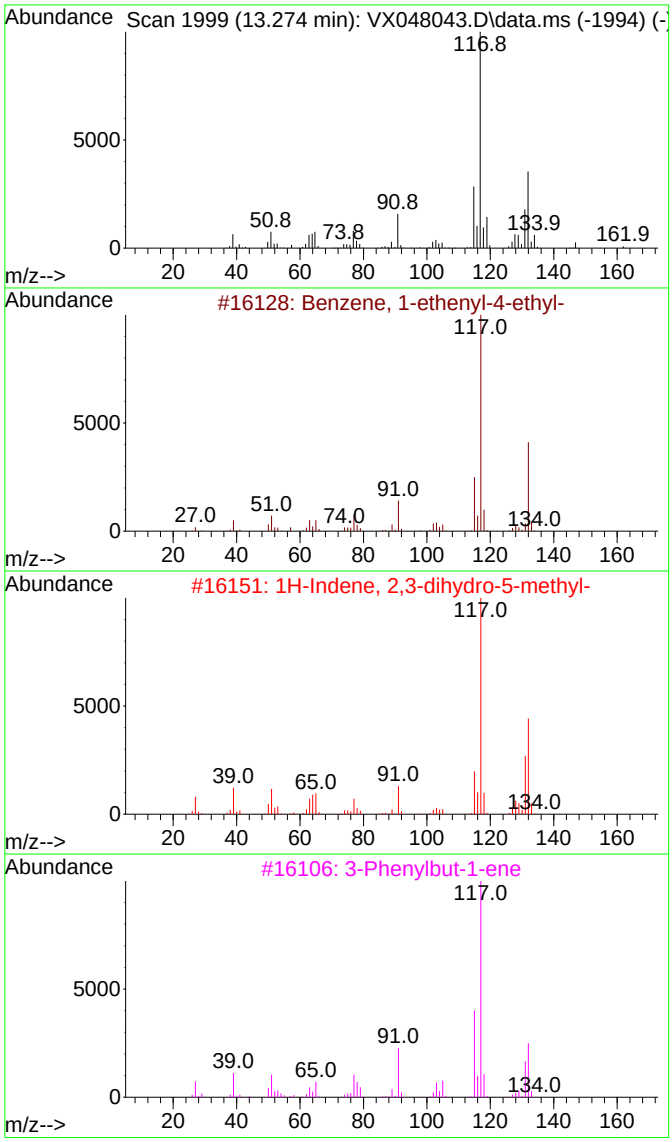
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

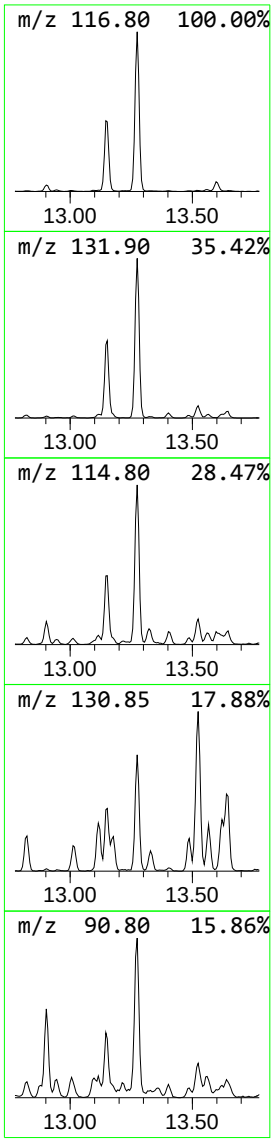
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.274	50.37 ug/l	1242850	1,4-Dichlorobenzene-d4	12.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048043.D
Acq On : 07 Oct 2025 11:38
Operator : JC/MD
Sample : Q3278-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	1.758	35.3	ug/l	619697	1	5.537	877668	50.0
Butane, 2,3-dim...	2.782	32.7	ug/l	574478	1	5.537	877668	50.0
Pentane, 3-methyl-	3.099	52.1	ug/l	914245	1	5.537	877668	50.0
Cyclopentane, m...	4.300	32.8	ug/l	575560	1	5.537	877668	50.0
Pentane, 2,3-di...	5.611	51.4	ug/l	902200	1	5.537	877668	50.0
Hexane, 3-methyl-	5.812	21.9	ug/l	384994	1	5.537	877668	50.0
Pentane, 2,3,4-...	7.970	23.3	ug/l	432367	2	6.745	926305	50.0
Benzene, 1-ethe...	12.225	64.3	ug/l	1585510	4	12.006	1233750	50.0
Indan, 1-methyl-	12.676	52.5	ug/l	1296350	4	12.006	1233750	50.0
Benzene, 1,2,4,...	12.902	20.0	ug/l	494051	4	12.006	1233750	50.0
Benzene, 1-ethe...	13.146	22.4	ug/l	553198	4	12.006	1233750	50.0
1H-Indene, 2,3-...	13.274	50.4	ug/l	1242850	4	12.006	1233750	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Time: Oct 08 01:20:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	133238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121535	57.306	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.620%			
35) Dibromofluoromethane	5.373	113	95545	51.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	8.635	98	316128	49.284	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.560%			
62) 4-Bromofluorobenzene	11.061	95	138323	56.820	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.640%			

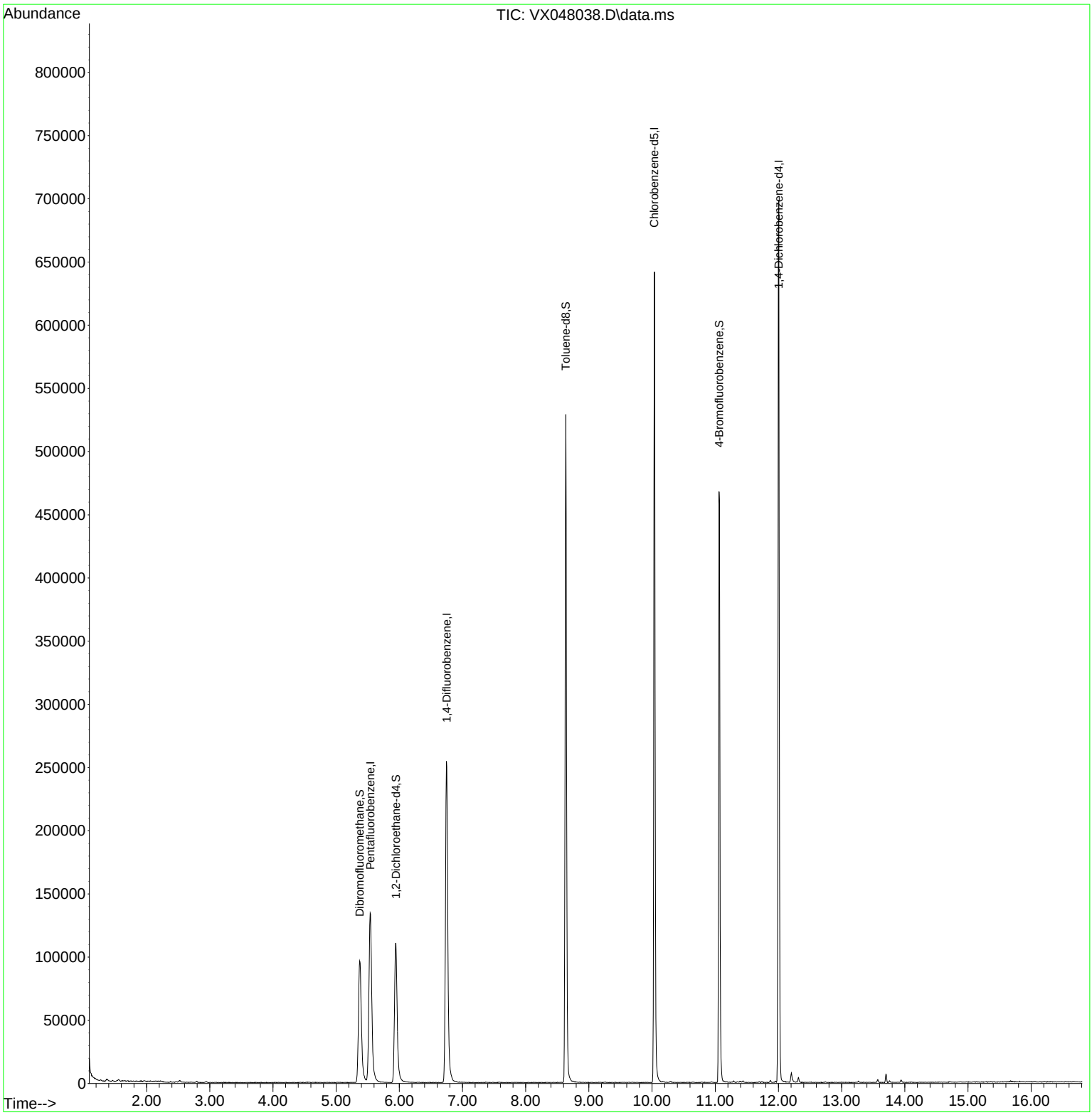
Target Compounds Qvalue

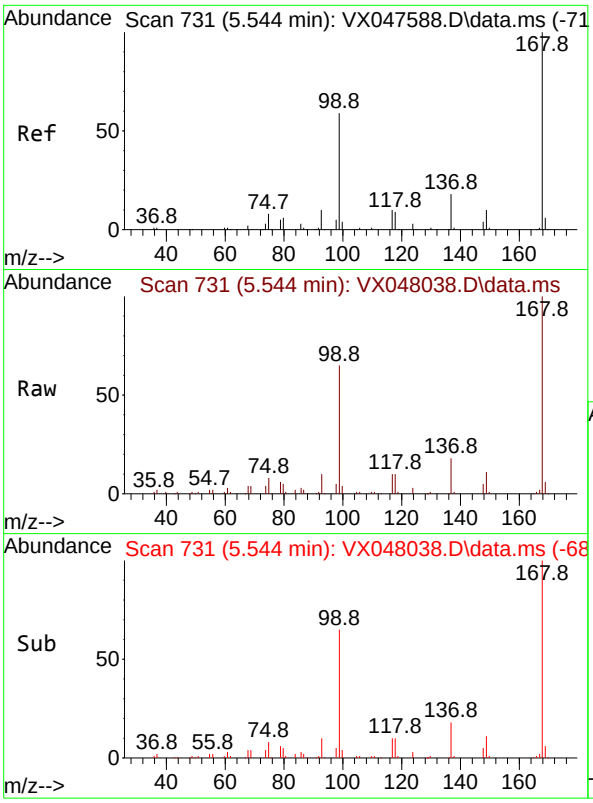
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Time: Oct 08 01:20:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



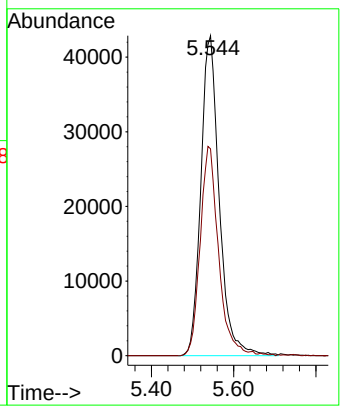


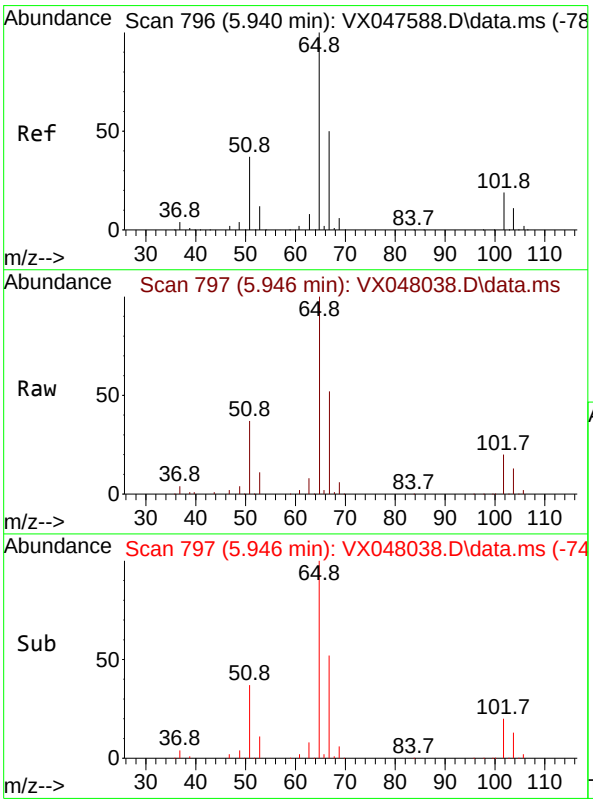
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:168 Resp: 133238

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.8	73.2

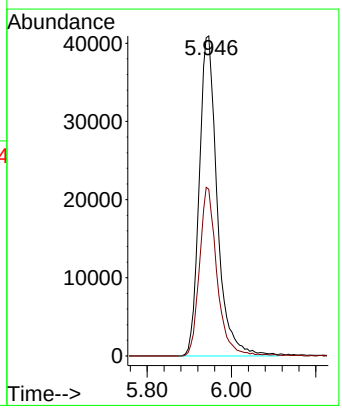


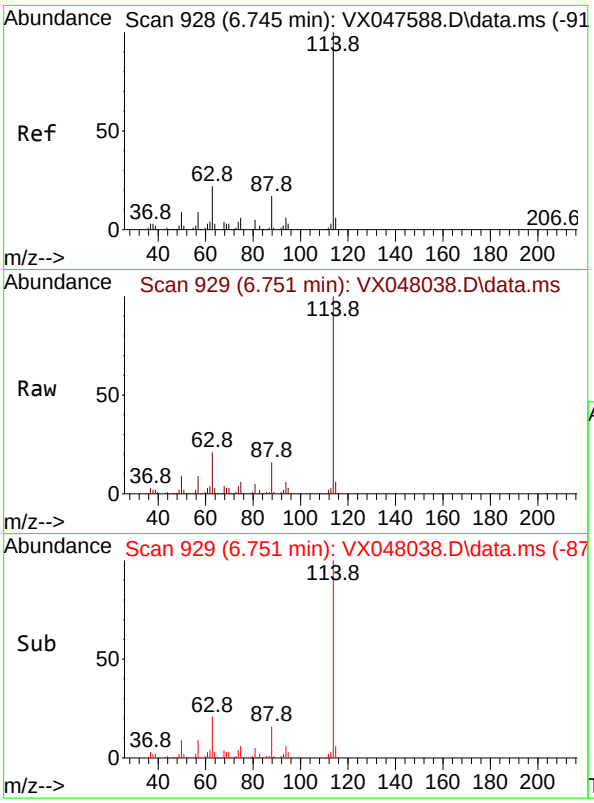


#33
1,2-Dichloroethane-d4
Concen: 57.306 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 65 Resp: 121535

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



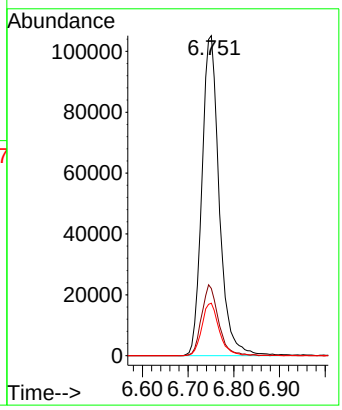


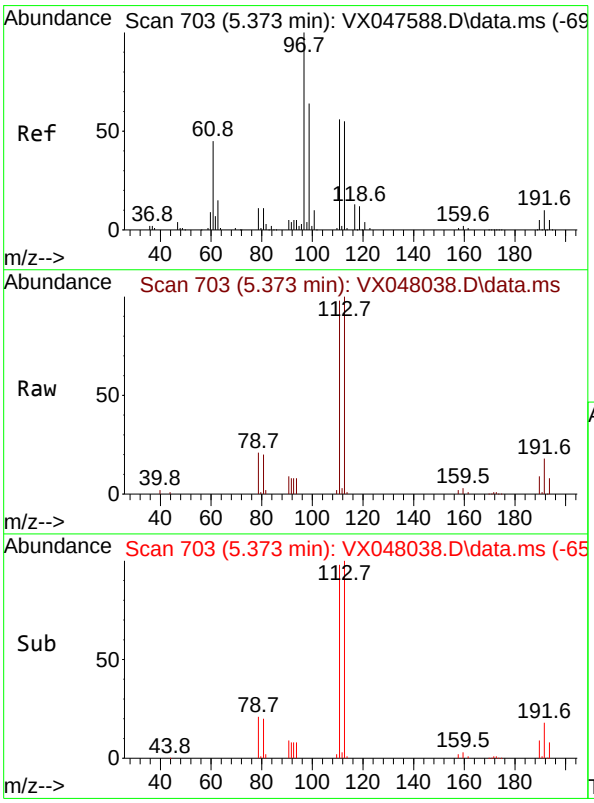
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:114 Resp: 276412

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	16.4	0.0	34.2

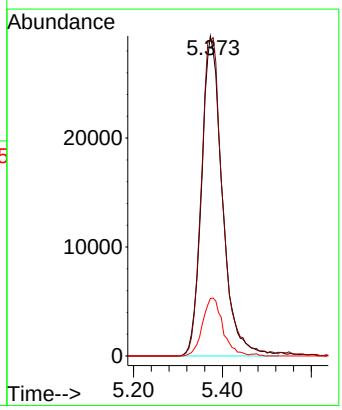


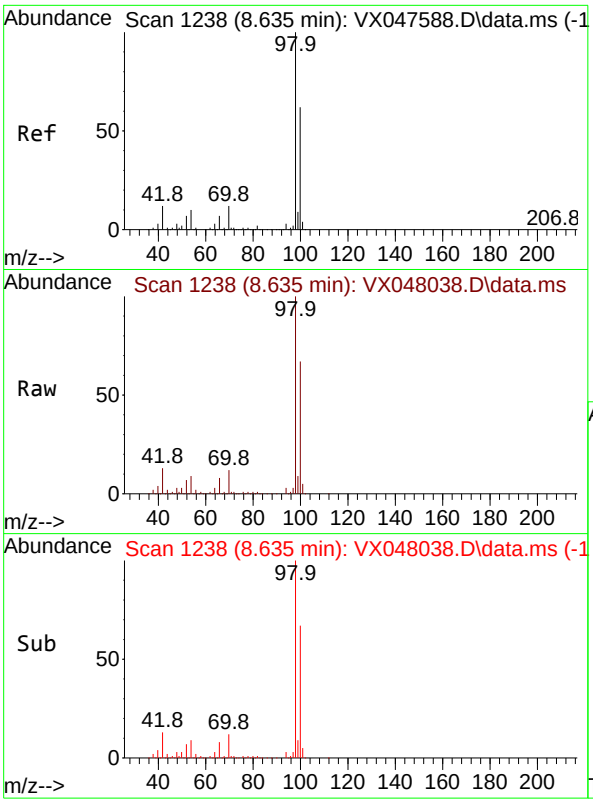


#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion:113 Resp: 95545

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.7	14.2	21.4



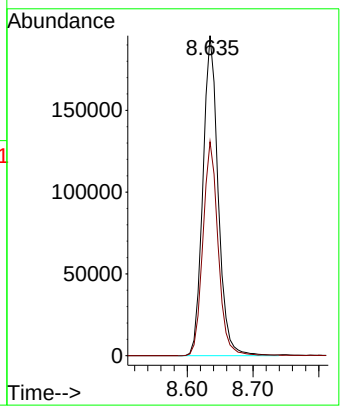


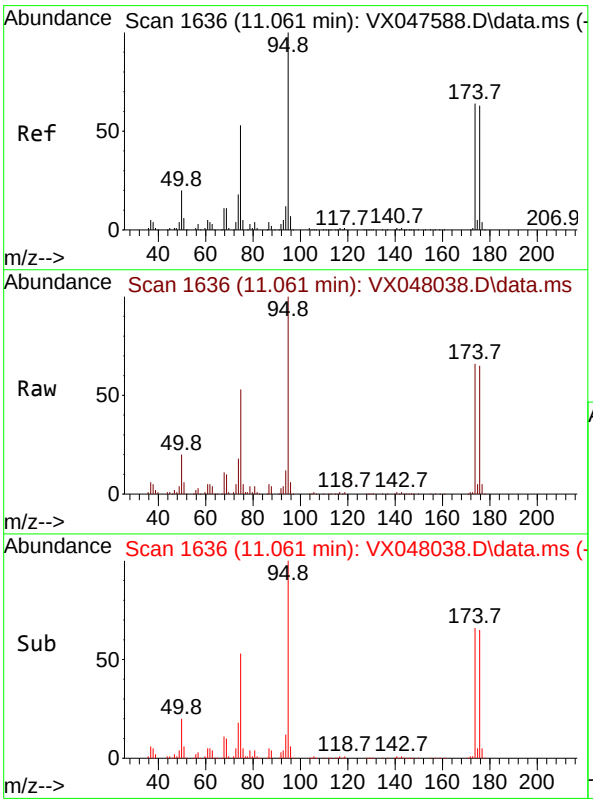
#50
Toluene-d8
Concen: 49.284 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion: 98 Resp: 316128

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

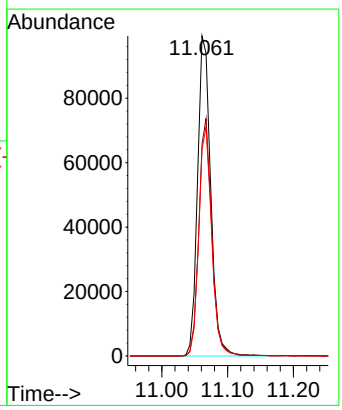


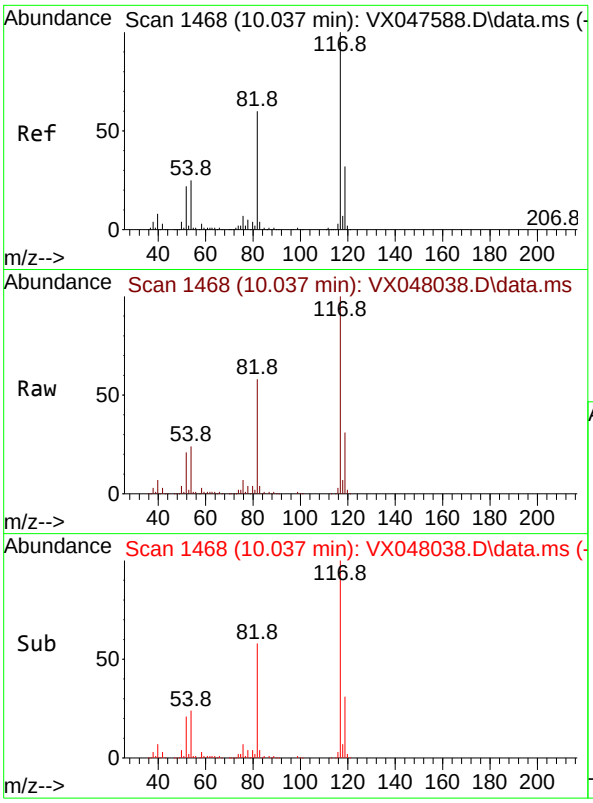


#62
4-Bromofluorobenzene
Concen: 56.820 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 95 Resp: 138323

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	70.1	0.0	138.4



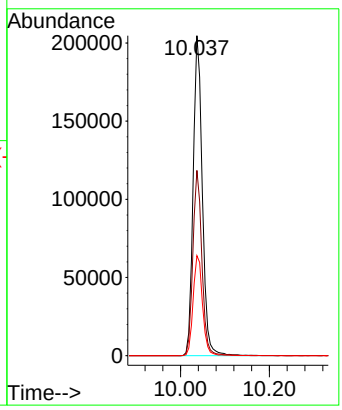


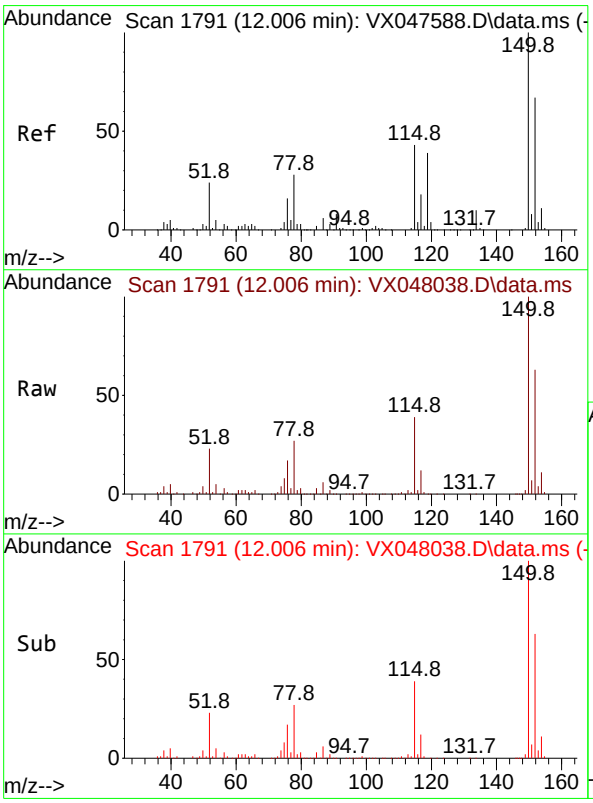
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:117 Resp: 291549

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.8	71.6
119	31.3	25.2	37.8

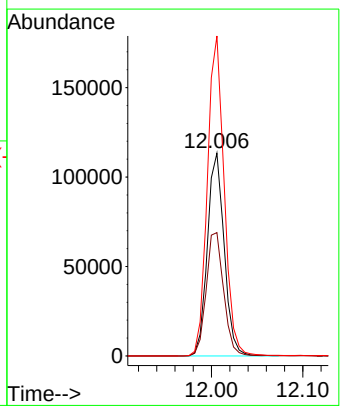




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion:152 Resp: 144709

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.9	134.5
150	157.5	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	692	703	719	rBV4	96129	311561	33.87%	6.112%
2	5.538	721	730	756	rVB	133942	421351	45.81%	8.266%
3	5.940	786	796	816	rBV	110273	327789	35.64%	6.431%
4	6.745	919	928	950	rBV	254139	665857	72.39%	13.063%
5	8.635	1231	1238	1254	rBV	528433	859028	93.39%	16.852%
6	10.037	1462	1468	1486	rBV	641513	915833	99.57%	17.967%
7	11.061	1631	1636	1651	rBV	467432	662785	72.06%	13.003%
8	12.006	1785	1791	1804	rBV	697998	919783	100.00%	18.044%
9	12.207	1818	1824	1835	rBV2	7559	13365	1.45%	0.262%

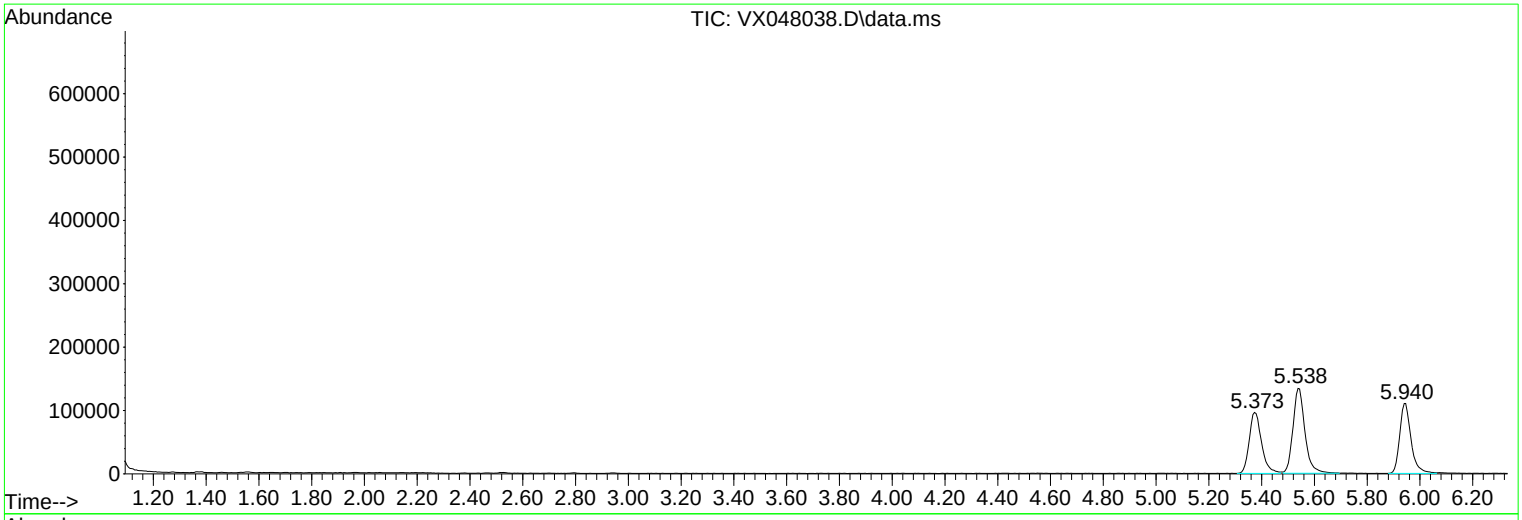
Sum of corrected areas: 5097352

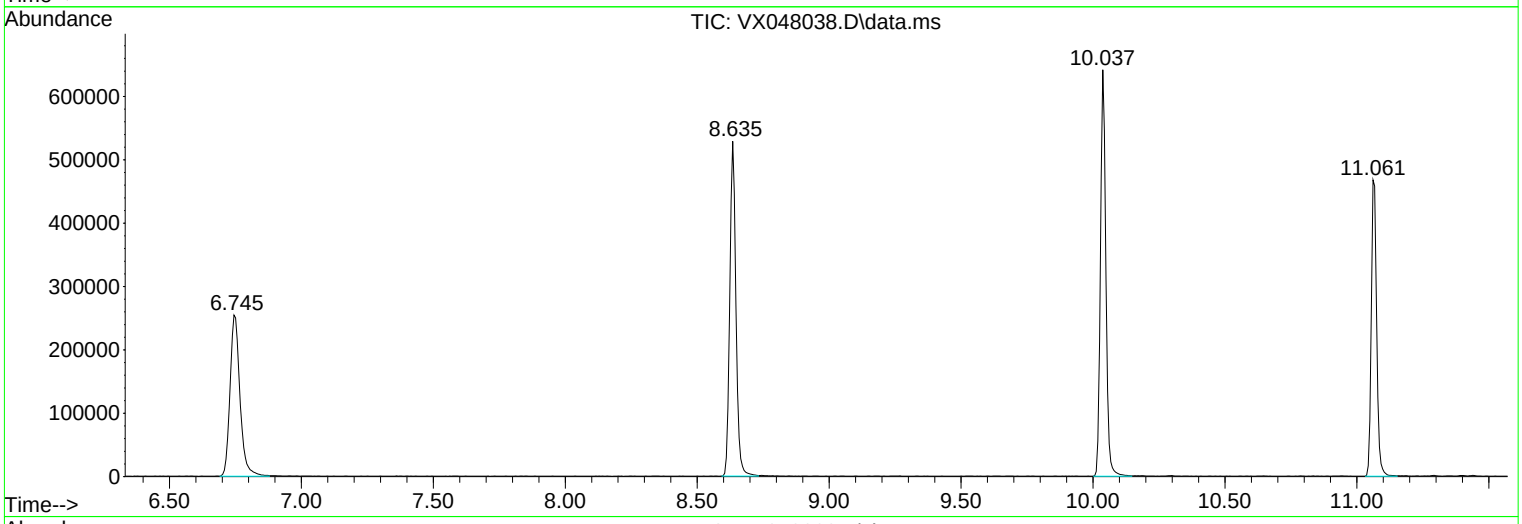
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

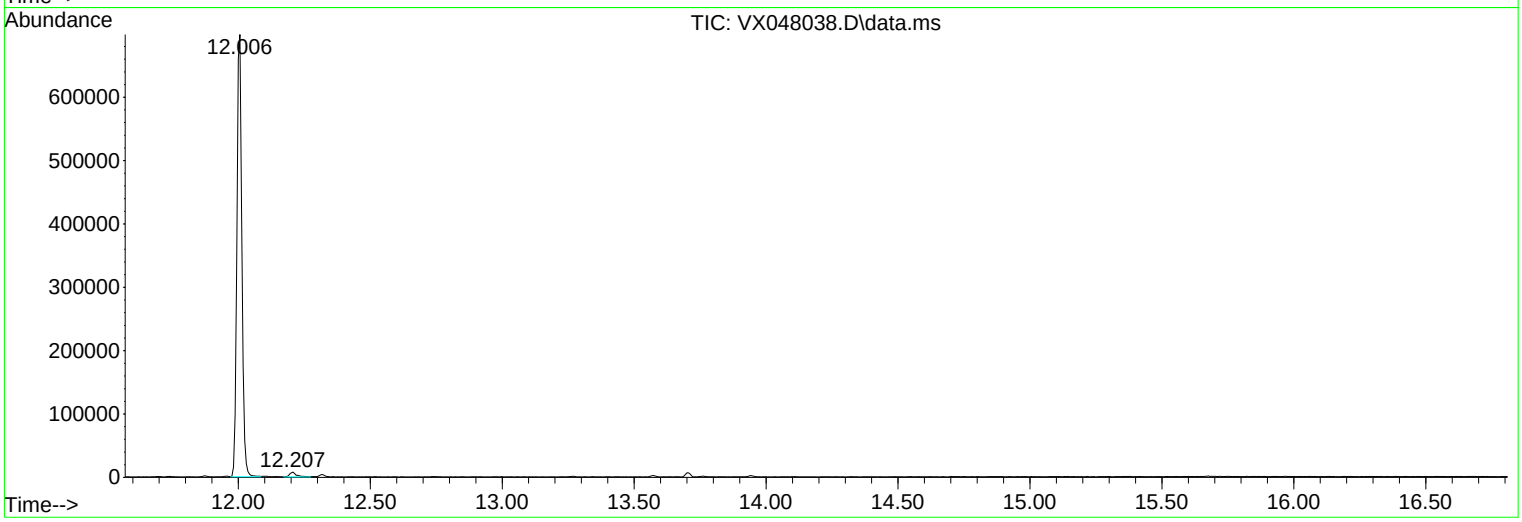
Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	127551	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110272	54.313	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.620%			
35) Dibromofluoromethane	5.367	113	84576	55.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	8.628	98	280524	53.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.960%			
62) 4-Bromofluorobenzene	11.061	95	108967	54.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	25457	19.274	ug/l	100
3) Chloromethane	1.300	50	29667	17.090	ug/l	95
4) Vinyl Chloride	1.380	62	32075	18.876	ug/l	94
5) Bromomethane	1.617	94	21458	19.914	ug/l	84
6) Chloroethane	1.697	64	22720	20.005	ug/l	99
7) Trichlorofluoromethane	1.892	101	50935	20.188	ug/l	97
8) Diethyl Ether	2.136	74	21612	20.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	30061	20.376	ug/l	98
10) Methyl Iodide	2.453	142	32850	14.277	ug/l	97
11) Tert butyl alcohol	2.940	59	22993	101.685	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29889	19.723	ug/l	95
13) Acrolein	2.233	56	24670	118.393	ug/l	98
14) Allyl chloride	2.666	41	58931	18.845	ug/l	98
15) Acrylonitrile	3.056	53	92930	110.953	ug/l	98
16) Acetone	2.373	43	88859	100.659	ug/l	97
17) Carbon Disulfide	2.514	76	70003	16.874	ug/l	98
18) Methyl Acetate	2.697	43	47265	24.058	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	118021	21.334	ug/l	98
20) Methylene Chloride	2.782	84	38687	20.704	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	31652	19.400	ug/l	92
22) Diisopropyl ether	3.745	45	130728	21.570	ug/l #	81
23) Vinyl Acetate	3.709	43	507345	104.596	ug/l	100
24) 1,1-Dichloroethane	3.599	63	68520	21.271	ug/l	99
25) 2-Butanone	4.532	43	119146	108.201	ug/l	98
26) 2,2-Dichloropropane	4.464	77	54117	20.211	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	42867	21.454	ug/l	96
28) Bromochloromethane	4.879	49	31915	22.695	ug/l	96
29) Tetrahydrofuran	4.983	42	71303	107.639	ug/l	100
30) Chloroform	5.074	83	72615	22.308	ug/l	100
31) Cyclohexane	5.452	56	46681	17.400	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	58620	21.231	ug/l	98
36) 1,1-Dichloropropene	5.672	75	42751	19.300	ug/l	99
37) Ethyl Acetate	4.690	43	47008	19.820	ug/l	99
38) Carbon Tetrachloride	5.659	117	49885	20.728	ug/l	98
39) Methylcyclohexane	7.360	83	43263	17.206	ug/l	96
40) Benzene	6.019	78	141033	20.963	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	26454	21.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	55987	21.872	ug/l		100
43) Isopropyl Acetate	6.318	43	81806	21.031	ug/l		99
44) Trichloroethene	7.110	130	33905	20.845	ug/l		96
45) 1,2-Dichloropropane	7.415	63	37696	21.882	ug/l		100
46) Dibromomethane	7.561	93	27445	21.893	ug/l		97
47) Bromodichloromethane	7.799	83	59042	22.823	ug/l		96
48) Methyl methacrylate	7.677	41	40768	21.041	ug/l		99
49) 1,4-Dioxane	7.641	88	10466	534.506	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	251101	116.432	ug/l		99
52) Toluene	8.702	92	87184	21.034	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	55042	20.860	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	60721	21.530	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	37323	23.352	ug/l		99
56) Ethyl methacrylate	9.098	69	53104	21.157	ug/l		99
57) 1,3-Dichloropropane	9.293	76	62668	22.825	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	125479	111.431	ug/l		100
59) 2-Hexanone	9.415	43	172903	111.629	ug/l		100
60) Dibromochloromethane	9.500	129	43740	23.752	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36959	22.703	ug/l		98
64) Tetrachloroethene	9.256	164	26192	19.041	ug/l		98
65) Chlorobenzene	10.061	112	98733	20.597	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	35646	21.549	ug/l		97
67) Ethyl Benzene	10.177	91	162190	19.609	ug/l		100
68) m/p-Xylenes	10.287	106	123357	40.069	ug/l		99
69) o-Xylene	10.622	106	59317	19.920	ug/l		99
70) Styrene	10.640	104	104217	19.974	ug/l		99
71) Bromoform	10.780	173	28223	22.850	ug/l	#	96
73) Isopropylbenzene	10.945	105	153512	18.642	ug/l		100
74) N-amyl acetate	10.823	43	69869	18.607	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53287	21.389	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	46944m	21.406	ug/l		
77) Bromobenzene	11.183	156	39165	19.311	ug/l		96
78) n-propylbenzene	11.286	91	183093	18.809	ug/l		99
79) 2-Chlorotoluene	11.347	91	114168	19.149	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	127082	18.784	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	15343	17.842	ug/l		99
82) 4-Chlorotoluene	11.439	91	136375	19.367	ug/l		99
83) tert-Butylbenzene	11.695	119	129137	18.646	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	128943	18.799	ug/l		99
85) sec-Butylbenzene	11.872	105	153093	18.610	ug/l		100
86) p-Isopropyltoluene	11.994	119	129402	18.581	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	72823	19.332	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	75915	19.635	ug/l		99
89) n-Butylbenzene	12.317	91	117072	18.167	ug/l		98
90) Hexachloroethane	12.518	117	24379	19.938	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	70733	19.709	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9505	18.844	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	41535	17.807	ug/l		99
94) Hexachlorobutadiene	13.707	225	14621	18.455	ug/l		99
95) Naphthalene	13.756	128	124254	17.494	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	40530	18.680	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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

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

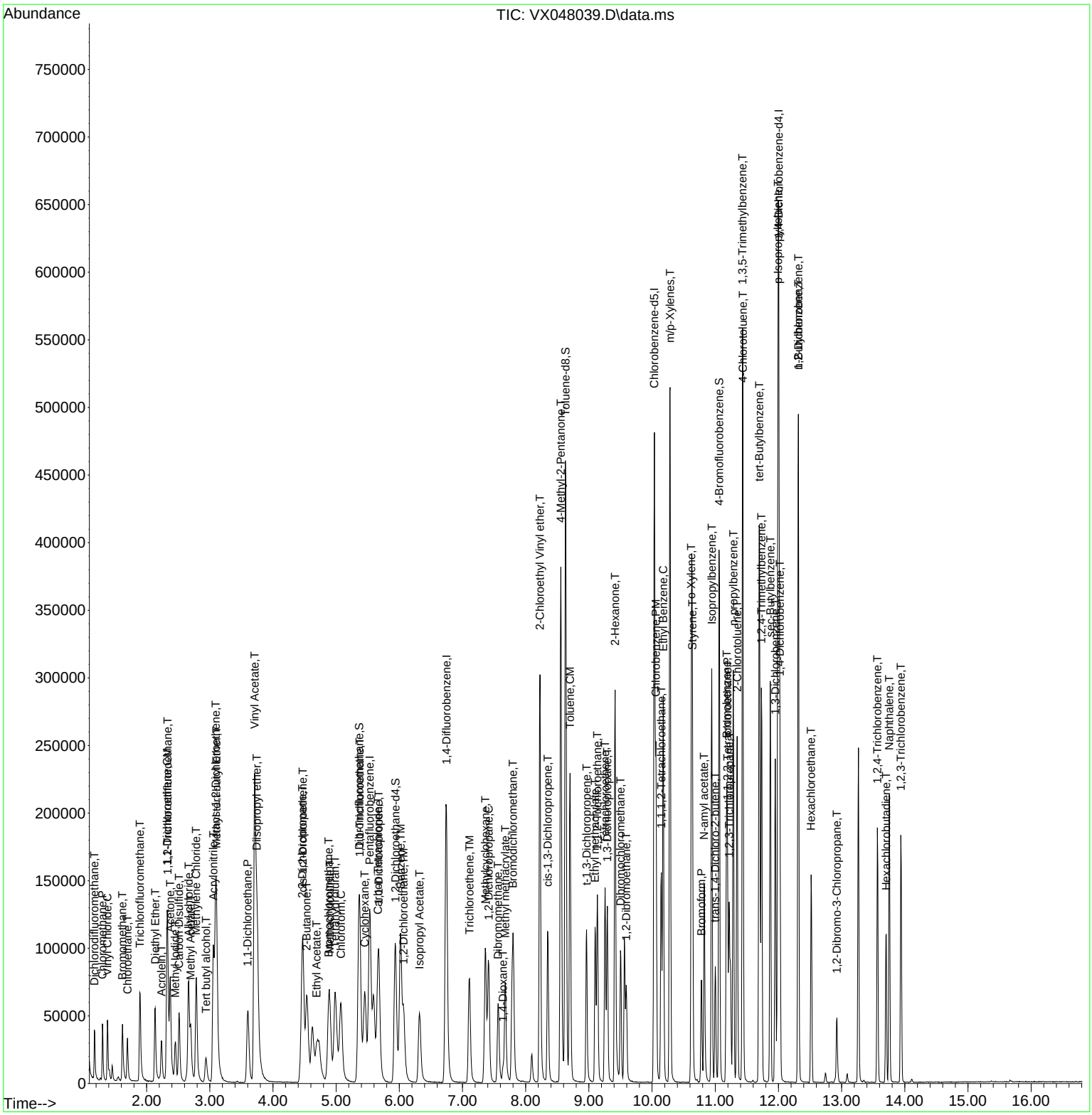
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	129287	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109012	52.972	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.367	113	83203	54.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.720%			
50) Toluene-d8	8.634	98	279132	53.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.360%			
62) 4-Bromofluorobenzene	11.061	95	106533	53.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	25734	19.222	ug/l	99
3) Chloromethane	1.300	50	29434	16.728	ug/l	98
4) Vinyl Chloride	1.380	62	31750	18.434	ug/l	98
5) Bromomethane	1.617	94	21525	19.708	ug/l	100
6) Chloroethane	1.697	64	21297	18.500	ug/l	100
7) Trichlorofluoromethane	1.898	101	50917	19.910	ug/l	97
8) Diethyl Ether	2.136	74	21156	20.223	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	30212	20.204	ug/l	97
10) Methyl Iodide	2.453	142	34836	14.937	ug/l	98
11) Tert butyl alcohol	2.940	59	23311	101.707	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29331	19.095	ug/l	93
13) Acrolein	2.233	56	24785	117.348	ug/l	95
14) Allyl chloride	2.666	41	58323	18.400	ug/l	97
15) Acrylonitrile	3.056	53	95434	112.412	ug/l	99
16) Acetone	2.373	43	79386	88.720	ug/l	97
17) Carbon Disulfide	2.514	76	69412	16.507	ug/l	98
18) Methyl Acetate	2.697	43	47223	23.714	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	114319	20.387	ug/l	99
20) Methylene Chloride	2.788	84	38168	20.152	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	31909	19.295	ug/l	98
22) Diisopropyl ether	3.745	45	127984	20.834	ug/l #	80
23) Vinyl Acetate	3.709	43	497771	101.245	ug/l	100
24) 1,1-Dichloroethane	3.599	63	66422	20.343	ug/l	98
25) 2-Butanone	4.538	43	116527	104.402	ug/l	97
26) 2,2-Dichloropropane	4.465	77	52230	19.244	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40046	19.773	ug/l	98
28) Bromochloromethane	4.879	49	32037	22.476	ug/l	99
29) Tetrahydrofuran	4.989	42	70161	104.493	ug/l	99
30) Chloroform	5.074	83	71848	21.776	ug/l	97
31) Cyclohexane	5.452	56	49103	18.057	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	59493	21.258	ug/l	99
36) 1,1-Dichloropropene	5.678	75	42215	19.047	ug/l	99
37) Ethyl Acetate	4.696	43	47144	19.866	ug/l	97
38) Carbon Tetrachloride	5.659	117	49019	20.356	ug/l	96
39) Methylcyclohexane	7.366	83	46603	18.524	ug/l	96
40) Benzene	6.025	78	136485	20.275	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	26431	21.574	ug/l		97
42) 1,2-Dichloroethane	6.068	62	54111	21.126	ug/l		98
43) Isopropyl Acetate	6.318	43	82539	21.207	ug/l		99
44) Trichloroethene	7.110	130	32478	19.956	ug/l		96
45) 1,2-Dichloropropane	7.409	63	37442	21.722	ug/l		98
46) Dibromomethane	7.562	93	26732	21.311	ug/l		97
47) Bromodichloromethane	7.805	83	57177	22.089	ug/l		99
48) Methyl methacrylate	7.677	41	39794	20.527	ug/l		98
49) 1,4-Dioxane	7.647	88	9973	509.029	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	248725	115.262	ug/l		98
52) Toluene	8.702	92	85813	20.691	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	54344	20.583	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	58877	20.864	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	36673	22.932	ug/l		98
56) Ethyl methacrylate	9.098	69	52781	21.016	ug/l		98
57) 1,3-Dichloropropane	9.293	76	62031	22.580	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	124068	110.225	ug/l		99
59) 2-Hexanone	9.415	43	170424	109.964	ug/l		100
60) Dibromochloromethane	9.506	129	42828	23.243	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36442	22.373	ug/l		98
64) Tetrachloroethene	9.256	164	26846	19.802	ug/l		96
65) Chlorobenzene	10.061	112	96810	20.490	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	35383	21.703	ug/l		98
67) Ethyl Benzene	10.177	91	159608	19.579	ug/l		100
68) m/p-Xylenes	10.287	106	122985	40.532	ug/l		99
69) o-Xylene	10.622	106	58030	19.773	ug/l		97
70) Styrene	10.640	104	104742	20.368	ug/l		98
71) Bromoform	10.780	173	27253	22.387	ug/l	#	99
73) Isopropylbenzene	10.945	105	154543	19.179	ug/l		99
74) N-amyl acetate	10.829	43	69650	18.955	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	52174	21.401	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	46431m	21.637	ug/l		
77) Bromobenzene	11.183	156	39023	19.663	ug/l		97
78) n-propylbenzene	11.286	91	184268	19.345	ug/l		100
79) 2-Chlorotoluene	11.347	91	115039	19.719	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	128280	19.377	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	14510	17.243	ug/l		95
82) 4-Chlorotoluene	11.439	91	133926	19.437	ug/l		100
83) tert-Butylbenzene	11.695	119	130736	19.291	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	129597	19.309	ug/l		97
85) sec-Butylbenzene	11.872	105	160547	19.945	ug/l		100
86) p-Isopropyltoluene	11.994	119	132790	19.486	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	72227	19.594	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	75625	19.989	ug/l		99
89) n-Butylbenzene	12.317	91	121031	19.194	ug/l		98
90) Hexachloroethane	12.518	117	24161	20.194	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	71603	20.389	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9851	19.958	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	42699	18.708	ug/l		99
94) Hexachlorobutadiene	13.707	225	15658	20.197	ug/l		98
95) Naphthalene	13.756	128	129869	18.686	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	42194	19.874	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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

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

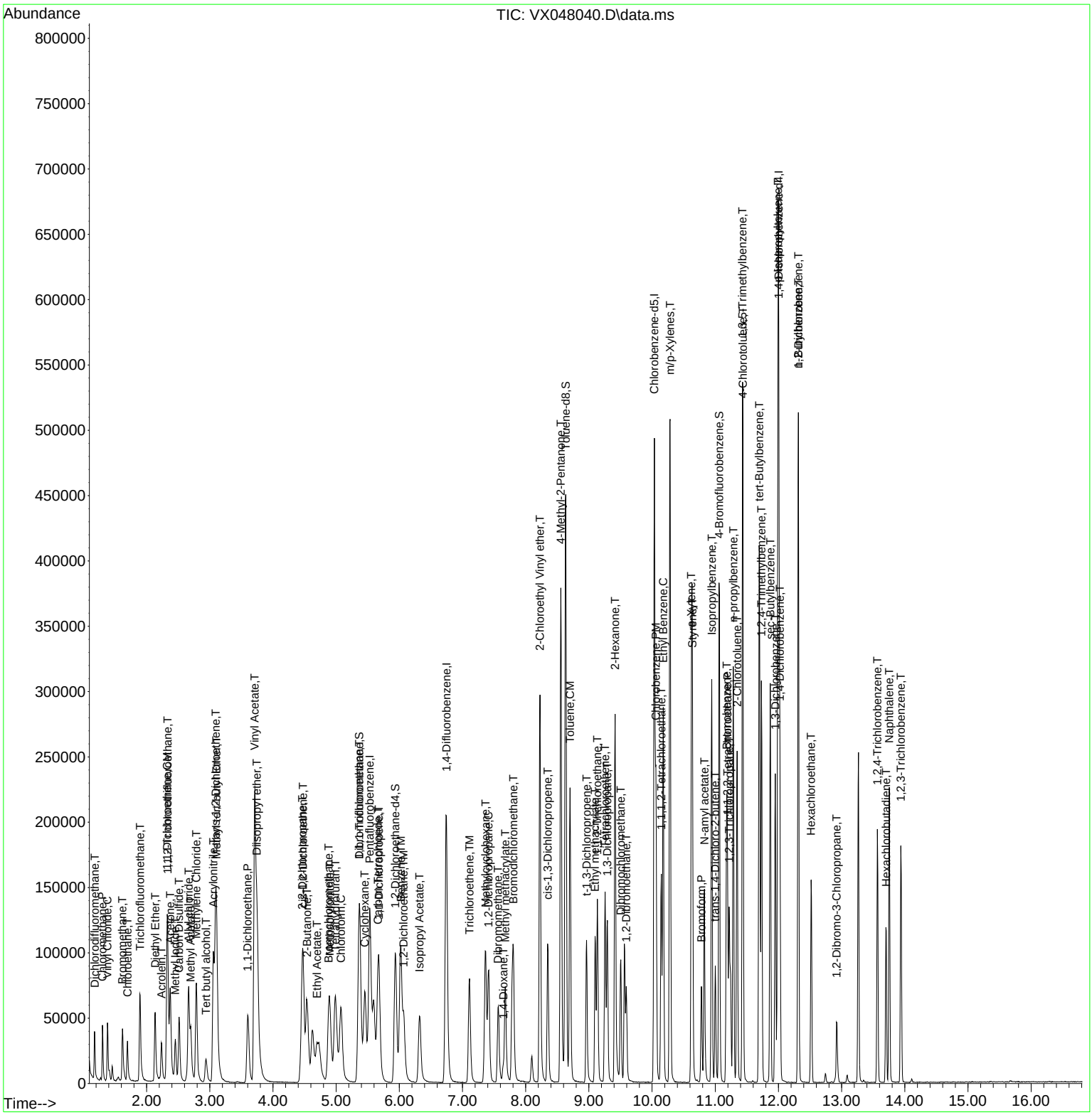
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



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

Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048036.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:08:53 AM	MMdadoda	10/9/2025 4:41:28 AM	Peak Integrated by Software
VX1007WBS01	VX048039.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:08:59 AM	MMdadoda	10/9/2025 4:41:34 AM	Peak Integrated by Software
VX1007WBSD01	VX048040.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:04 AM	MMdadoda	10/9/2025 4:41:38 AM	Peak Integrated by Software
Q3278-01	VX048043.D	n-Butylbenzene	JOHN	10/8/2025 8:09:09 AM	MMdadoda	10/9/2025 4:41:43 AM	Peak Integrated by Software
VSTDCCC050	VX048050.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:16 AM	MMdadoda	10/9/2025 4:41:48 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,1,1-Trichloroethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,4-Dioxane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Bromochloromethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Bromoform	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	cis-1,2-Dichloroethene	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX048052.D	Isopropyl Acetate	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Methacrylonitrile	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Methyl Iodide	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	t-1,4-Dichloro-2-butene	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Bromochloromethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Bromoform	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Dibromochloromethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Hexachloroethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Methyl Iodide	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Bromochloromethane	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC050	VX048054.D	Bromoform	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Methyl Iodide	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Bromochloromethane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Bromomethane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Methyl Iodide	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	tert-Butyl Alcohol	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Bromochloromethane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Bromoform	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VX048056.D	Dibromomethane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Methyl Iodide	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	1,2-Dichloroethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Bromochloromethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Dibromochloromethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Methyl Iodide	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048035.D	07 Oct 2025 08:07	JC/MD	Ok
2	VSTDCCC050	VX048036.D	07 Oct 2025 08:44	JC/MD	Ok,M
3	VX1007MBL01	VX048037.D	07 Oct 2025 09:13	JC/MD	Ok
4	VX1007WBL01	VX048038.D	07 Oct 2025 09:34	JC/MD	Ok
5	VX1007WBS01	VX048039.D	07 Oct 2025 10:06	JC/MD	Ok,M
6	VX1007WBSD01	VX048040.D	07 Oct 2025 10:34	JC/MD	Ok,M
7	Q3278-01	VX048041.D	07 Oct 2025 10:55	JC/MD	Not Ok
8	IBLK	VX048042.D	07 Oct 2025 11:16	JC/MD	Ok
9	Q3278-01	VX048043.D	07 Oct 2025 11:38	JC/MD	Ok,M
10	IBLK	VX048044.D	07 Oct 2025 11:59	JC/MD	Ok
11	Q3298-03	VX048045.D	07 Oct 2025 12:20	JC/MD	Ok
12	Q3298-02	VX048046.D	07 Oct 2025 12:41	JC/MD	ReRun
13	Q3298-01	VX048047.D	07 Oct 2025 13:02	JC/MD	Ok
14	Q3298-04	VX048048.D	07 Oct 2025 13:23	JC/MD	Ok
15	Q3298-05	VX048049.D	07 Oct 2025 13:45	JC/MD	Ok
16	VSTDCCC050	VX048050.D	07 Oct 2025 14:06	JC/MD	Ok,M
17	BFB	VX048051.D	07 Oct 2025 16:19	JC/MD	Ok
18	VSTDICC005	VX048052.D	07 Oct 2025 17:01	JC/MD	Ok,M
19	VSTDICCC020	VX048053.D	07 Oct 2025 17:22	JC/MD	Ok,M
20	VSTDICC050	VX048054.D	07 Oct 2025 17:43	JC/MD	Ok,M
21	VSTDICC100	VX048055.D	07 Oct 2025 18:03	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDICC150	VX048056.D	07 Oct 2025 18:24	JC/MD	Ok,M
23	IBLK	VX048057.D	07 Oct 2025 18:45	JC/MD	Ok,M
24	VSTDICV020	VX048058.D	07 Oct 2025 19:27	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
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	VX048035.D	07 Oct 2025 08:07		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048036.D	07 Oct 2025 08:44	pH#Lot#V12668	JC/MD	Ok,M
3	VX1007MBL01	VX1007MBL01	VX048037.D	07 Oct 2025 09:13		JC/MD	Ok
4	VX1007WBL01	VX1007WBL01	VX048038.D	07 Oct 2025 09:34		JC/MD	Ok
5	VX1007WBS01	VX1007WBS01	VX048039.D	07 Oct 2025 10:06		JC/MD	Ok,M
6	VX1007WBSD01	VX1007WBSD01	VX048040.D	07 Oct 2025 10:34		JC/MD	Ok,M
7	Q3278-01	MW10	VX048041.D	07 Oct 2025 10:55	Need Straight Run	JC/MD	Not Ok
8	IBLK	IBLK	VX048042.D	07 Oct 2025 11:16		JC/MD	Ok
9	Q3278-01	MW10	VX048043.D	07 Oct 2025 11:38	vial A pH<2	JC/MD	Ok,M
10	IBLK	IBLK	VX048044.D	07 Oct 2025 11:59		JC/MD	Ok
11	Q3298-03	VPB184-HYD-2025100	VX048045.D	07 Oct 2025 12:20	vial A pH<2	JC/MD	Ok
12	Q3298-02	BP-VPB-EB-20251003	VX048046.D	07 Oct 2025 12:41	vial A pH<2 EB,Hit of com.#16	JC/MD	ReRun
13	Q3298-01	BP-VPB-TB-20251003	VX048047.D	07 Oct 2025 13:02	vial A pH<2 TB	JC/MD	Ok
14	Q3298-04	BP-VPB-GW-720-722	VX048048.D	07 Oct 2025 13:23	vial A pH<2	JC/MD	Ok
15	Q3298-05	BP-VPB-GW-740-742	VX048049.D	07 Oct 2025 13:45	vial A+B pH<2	JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX048050.D	07 Oct 2025 14:06		JC/MD	Ok,M
17	BFB	BFB	VX048051.D	07 Oct 2025 16:19		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDICC005	VSTDICC005	VX048052.D	07 Oct 2025 17:01	Com.#56,90 peak not detected in 5PPB	JC/MD	Ok,M
19	VSTDICCC020	VSTDICCC020	VX048053.D	07 Oct 2025 17:22	Method failed for com.#56,90	JC/MD	Ok,M
20	VSTDICC050	VSTDICC050	VX048054.D	07 Oct 2025 17:43		JC/MD	Ok,M
21	VSTDICC100	VSTDICC100	VX048055.D	07 Oct 2025 18:03		JC/MD	Ok,M
22	VSTDICC150	VSTDICC150	VX048056.D	07 Oct 2025 18:24		JC/MD	Ok,M
23	IBLK	IBLK	VX048057.D	07 Oct 2025 18:45		JC/MD	Ok,M
24	VSTDICV020	ICVVX100725	VX048058.D	07 Oct 2025 19:27	ICV failed for com.#56	JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3278	**OrderDate:**	10/2/2025 3:52:00 PM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3278-01	**MW10**	**Water**			**10/02/25**			**10/02/25**
			VOCMS Group2	8260-Low			10/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3278 **Order ID:** Q3278

Client: G Environmental **Project ID:** DPW

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW10								
Q3278-01	MW10	Water	Iron	61300		11.7	50.0	ug/L
Q3278-01	MW10	Water	Manganese	27700	D	5.94	20.0	ug/L
Q3278-01	MW10	Water	Sodium	356000		434	1000	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	10/02/25
Project:	DPW	Date Received:	10/02/25
Client Sample ID:	MW10	SDG No.:	Q3278
Lab Sample ID:	Q3278-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	61300		1	11.7	50.0	ug/L	10/03/25 10:20	10/09/25 13:05	6010D	SW3010
7439-96-5	Manganese	27700	D	2	5.94	20.0	ug/L	10/03/25 10:20	10/09/25 13:14	6010D	SW3010
7440-23-5	Sodium	356000		1	434	1000	ug/L	10/03/25 10:20	10/09/25 13:05	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	100	P	10/08/2025	12:36	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	12:36	LB137466
	Sodium	868	+/-1000	U	2000	P	10/08/2025	12:36	LB137466

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	10/08/2025	13:16	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	13:16	LB137466
	Sodium	868	+/-1000	U	2000	P	10/08/2025	13:16	LB137466
CCB02	Iron	23.4	+/-50	U	100	P	10/08/2025	14:18	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	14:18	LB137466
	Sodium	868	+/-1000	U	2000	P	10/08/2025	14:18	LB137466
CCB03	Iron	23.4	+/-50	U	100	P	10/08/2025	15:13	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	15:13	LB137466
	Sodium	868	+/-1000	U	2000	P	10/08/2025	15:13	LB137466
CCB04	Iron	23.4	+/-50	U	100	P	10/08/2025	16:15	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	16:15	LB137466
	Sodium	868	+/-1000	U	2000	P	10/08/2025	16:15	LB137466
CCB05	Iron	23.4	+/-50	U	100	P	10/08/2025	17:06	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	17:06	LB137466
	Sodium	1530	+/-1000	J*	2000	P	10/08/2025	17:06	LB137466
CCB06	Iron	23.4	+/-50	U	100	P	10/08/2025	17:57	LB137466
	Manganese	5.94	+/-10	U	20.0	P	10/08/2025	17:57	LB137466
	Sodium	1100	+/-1000	J*	2000	P	10/08/2025	17:57	LB137466

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	100	P	10/09/2025	11:59	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	11:59	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	11:59	LB137484

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	10/09/2025	12:46	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	12:46	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	12:46	LB137484
CCB02	Iron	23.4	+/-50	U	100	P	10/09/2025	14:20	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	14:20	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	14:20	LB137484
CCB03	Iron	23.4	+/-50	U	100	P	10/09/2025	15:30	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	15:30	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	15:30	LB137484
CCB04	Iron	23.4	+/-50	U	100	P	10/09/2025	16:41	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	16:41	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	16:41	LB137484
CCB05	Iron	23.4	+/-50	U	100	P	10/09/2025	17:31	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	17:31	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	17:31	LB137484
CCB06	Iron	23.4	+/-50	U	100	P	10/09/2025	18:20	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	18:20	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	18:20	LB137484
CCB07	Iron	23.4	+/-50	U	100	P	10/09/2025	18:33	LB137484
	Manganese	5.94	+/-10	U	20.0	P	10/09/2025	18:33	LB137484
	Sodium	868	+/-1000	U	2000	P	10/09/2025	18:33	LB137484

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3278

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169978BL		**WATER**		**Batch Number:**	**PB169978**		**Prep Date:**	**10/03/2025**	
	Iron	11.7	<25	U	50.0	P	10/08/2025	15:30	LB137466
	Manganese	2.97	<5	U	10.0	P	10/08/2025	15:30	LB137466
	Sodium	434	<500	U	1000	P	10/08/2025	15:30	LB137466

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3940	4000	99	90 - 110	P	10/08/2025	12:24	LB137466
	Manganese	1960	2000	98	90 - 110	P	10/08/2025	12:24	LB137466
	Sodium	19000	20000	95	90 - 110	P	10/08/2025	12:24	LB137466

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	107	100	107	80 - 120	P	10/08/2025	12:32	LB137466
	Manganese	20.4	20.0	102	80 - 120	P	10/08/2025	12:32	LB137466
	Sodium	1770	2000	89	80 - 120	P	10/08/2025	12:32	LB137466

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5120	5000	102	90 - 110	P	10/08/2025	13:12	LB137466
	Manganese	2530	2500	101	90 - 110	P	10/08/2025	13:12	LB137466
	Sodium	25900	25000	104	90 - 110	P	10/08/2025	13:12	LB137466
CCV02	Iron	4760	5000	95	90 - 110	P	10/08/2025	14:14	LB137466
	Manganese	2420	2500	97	90 - 110	P	10/08/2025	14:14	LB137466
	Sodium	24100	25000	96	90 - 110	P	10/08/2025	14:14	LB137466
CCV03	Iron	4600	5000	92	90 - 110	P	10/08/2025	15:04	LB137466
	Manganese	2340	2500	94	90 - 110	P	10/08/2025	15:04	LB137466
	Sodium	22600	25000	90	90 - 110	P	10/08/2025	15:04	LB137466
CCV04	Iron	4810	5000	96	90 - 110	P	10/08/2025	16:11	LB137466
	Manganese	2500	2500	100	90 - 110	P	10/08/2025	16:11	LB137466
	Sodium	26100	25000	104	90 - 110	P	10/08/2025	16:11	LB137466
CCV05	Iron	5110	5000	102	90 - 110	P	10/08/2025	17:02	LB137466
	Manganese	2400	2500	96	90 - 110	P	10/08/2025	17:02	LB137466
	Sodium	26900	25000	108	90 - 110	P	10/08/2025	17:02	LB137466
CCV06	Iron	4990	5000	100	90 - 110	P	10/08/2025	17:53	LB137466
	Manganese	2380	2500	95	90 - 110	P	10/08/2025	17:53	LB137466
	Sodium	26000	25000	104	90 - 110	P	10/08/2025	17:53	LB137466

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	4110	4000	103	90 - 110	P	10/09/2025	11:44	LB137484
	Manganese	1900	2000	95	90 - 110	P	10/09/2025	11:44	LB137484
	Sodium	19600	20000	98	90 - 110	P	10/09/2025	11:44	LB137484

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	105	100	105	80 - 120	P	10/09/2025	11:49	LB137484
	Manganese	21.6	20.0	108	80 - 120	P	10/09/2025	11:49	LB137484
	Sodium	1610	2000	80	80 - 120	P	10/09/2025	11:49	LB137484

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5060	5000	101	90 - 110	P	10/09/2025	12:34	LB137484
	Manganese	2500	2500	100	90 - 110	P	10/09/2025	12:34	LB137484
	Sodium	24400	25000	98	90 - 110	P	10/09/2025	12:34	LB137484
CCV02	Iron	4790	5000	96	90 - 110	P	10/09/2025	14:16	LB137484
	Manganese	2300	2500	92	90 - 110	P	10/09/2025	14:16	LB137484
	Sodium	23500	25000	94	90 - 110	P	10/09/2025	14:16	LB137484
CCV03	Iron	4910	5000	98	90 - 110	P	10/09/2025	15:26	LB137484
	Manganese	2310	2500	92	90 - 110	P	10/09/2025	15:26	LB137484
	Sodium	23400	25000	94	90 - 110	P	10/09/2025	15:26	LB137484
CCV04	Iron	4790	5000	96	90 - 110	P	10/09/2025	16:26	LB137484
	Manganese	2350	2500	94	90 - 110	P	10/09/2025	16:26	LB137484
	Sodium	24300	25000	97	90 - 110	P	10/09/2025	16:26	LB137484
CCV05	Iron	4660	5000	93	90 - 110	P	10/09/2025	17:27	LB137484
	Manganese	2360	2500	94	90 - 110	P	10/09/2025	17:27	LB137484
	Sodium	23100	25000	92	90 - 110	P	10/09/2025	17:27	LB137484
CCV06	Iron	4910	5000	98	90 - 110	P	10/09/2025	18:16	LB137484
	Manganese	2360	2500	94	90 - 110	P	10/09/2025	18:16	LB137484
	Sodium	26600	25000	106	90 - 110	P	10/09/2025	18:16	LB137484
CCV07	Iron	5090	5000	102	90 - 110	P	10/09/2025	18:28	LB137484
	Manganese	2310	2500	92	90 - 110	P	10/09/2025	18:28	LB137484
	Sodium	26300	25000	105	90 - 110	P	10/09/2025	18:28	LB137484

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	111	100	111	65 - 135	P	10/08/2025	12:41	LB137466
	Manganese	21.1	20.0	105	65 - 135	P	10/08/2025	12:41	LB137466
	Sodium	1840	2000	92	65 - 135	P	10/08/2025	12:41	LB137466
CRI01	Iron	112	100	112	65 - 135	P	10/09/2025	12:04	LB137484
	Manganese	21.1	20.0	106	65 - 135	P	10/09/2025	12:04	LB137484
	Sodium	1610	2000	80	65 - 135	P	10/09/2025	12:04	LB137484

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	89400	101000	88	85600	116500	10/08/2025	12:45	LB137466
	Manganese	5.66	7.0	81	-13	27	10/08/2025	12:45	LB137466
	Sodium	60.4			0	0	10/08/2025	12:45	LB137466
ICSAB01	Iron	101000	99300	102	84400	114500	10/08/2025	12:50	LB137466
	Manganese	497	507	98	430	584	10/08/2025	12:50	LB137466
	Sodium	40.2			0	0	10/08/2025	12:50	LB137466
ICSA01	Iron	98600	101000	98	85600	116500	10/09/2025	12:09	LB137484
	Manganese	-1.37	7.0	20	-13	27	10/09/2025	12:09	LB137484
	Sodium	-178			0	0	10/09/2025	12:09	LB137484
ICSAB01	Iron	92400	99300	93	84400	114500	10/09/2025	12:19	LB137484
	Manganese	441	507	87	430	584	10/09/2025	12:19	LB137484
	Sodium	-302			0	0	10/09/2025	12:19	LB137484

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3278

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q3268-01 **client id:** WATER-TREATMENT-DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q3268-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	3080		1560		1500	102		P
Manganese	ug/L	75 - 125	126		30.1		100	96		P
Sodium	ug/L	75 - 125	381000		371000		1500	705		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3278

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q3268-01 **client id:** WATER-TREATMENT-DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q3268-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	3070		1560		1500	100		P
Manganese	ug/L	75 - 125	126		30.1		100	96		P
Sodium	ug/L	75 - 125	376000		371000		1500	347		P

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Metals
- 5b -

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3268-01 **Client ID:** WATER-TREATMENT-DISCHARGEDU

Percent Solids for Sample: NA **Duplicate ID** Q3268-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1560		1600		3		P
Manganese	ug/L	20	30.1		31.5		5		P
Sodium	ug/L	20	371000		370000		0		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: G Environmental **Level:** LOW **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3268-01MS **Client ID:** WATER-TREATMENT-DISCHARGEMS

Percent Solids for Sample: NA **Duplicate ID** Q3268-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	3080		3070		0		P
Manganese	ug/L	20	126		126		0		P
Sodium	ug/L	20	381000		376000		1		P

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

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169978BS							
Iron	ug/L	1500	1520		101	80 - 120	P
Manganese	ug/L	100	104		104	80 - 120	P
Sodium	ug/L	1500	1570		105	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT-DISCHARGEL

Lab Name: Alliance **Contract:** GENV01

Lab Code: ACE **Lb No.:** lb137466 **Lab Sample ID :** Q3268-01L **SDG No.:** Q3278

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
Iron	1560		1510		3		P
Manganese	30.1		31.4	J	5		P
Sodium	371000		361000		2		P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q3278

Instrument id number: **Method:** **Run number:** LB137466

Start date: 10/08/2025 **End date:** 10/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1200	Fe,Mn,Na
S1	S1	1	1204	Fe,Mn,Na
S2	S2	1	1208	Fe,Mn,Na
S3	S3	1	1212	Fe,Mn,Na
S4	S4	1	1216	Fe,Mn,Na
S5	S5	1	1220	Fe,Mn,Na
ICV01	ICV01	1	1224	Fe,Mn,Na
LLICV01	LLICV01	1	1232	Fe,Mn,Na
ICB01	ICB01	1	1236	Fe,Mn,Na
CRI01	CRI01	1	1241	Fe,Mn,Na
ICSA01	ICSA01	1	1245	Fe,Mn,Na
ICSAB01	ICSAB01	1	1250	Fe,Mn,Na
CCV01	CCV01	1	1312	Fe,Mn,Na
CCB01	CCB01	1	1316	Fe,Mn,Na
CCV02	CCV02	1	1414	Fe,Mn,Na
CCB02	CCB02	1	1418	Fe,Mn,Na
Q3268-01DUP	WATER-TREATMENT-DISCH/	1	1447	Fe,Mn,Na
Q3268-01L	WATER-TREATMENT-DISCH/	5	1452	Fe,Mn,Na
Q3268-01MS	WATER-TREATMENT-DISCH/	1	1456	Fe,Mn,Na
Q3268-01MSD	WATER-TREATMENT-DISCH/	1	1500	Fe,Mn,Na
CCV03	CCV03	1	1504	Fe,Mn,Na
CCB03	CCB03	1	1513	Fe,Mn,Na
PB169978BL	PB169978BL	1	1530	Fe,Mn,Na
PB169978BS	PB169978BS	1	1534	Fe,Mn,Na
CCV04	CCV04	1	1611	Fe,Mn,Na
CCB04	CCB04	1	1615	Fe,Mn,Na
CCV05	CCV05	1	1702	Fe,Mn,Na
CCB05	CCB05	1	1706	Fe,Mn,Na
CCV06	CCV06	1	1753	Fe,Mn,Na
CCB06	CCB06	1	1757	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q3278

Instrument id number: **Method:** **Run number:** LB137484

Start date: 10/09/2025 **End date:** 10/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1110	Fe,Mn,Na
S1	S1	1	1115	Fe,Mn,Na
S2	S2	1	1119	Fe,Mn,Na
S3	S3	1	1123	Fe,Mn,Na
S4	S4	1	1127	Fe,Mn,Na
S5	S5	1	1131	Fe,Mn,Na
ICV01	ICV01	1	1144	Fe,Mn,Na
LLICV01	LLICV01	1	1149	Fe,Mn,Na
ICB01	ICB01	1	1159	Fe,Mn,Na
CRI01	CRI01	1	1204	Fe,Mn,Na
ICSA01	ICSA01	1	1209	Fe,Mn,Na
ICSAB01	ICSAB01	1	1219	Fe,Mn,Na
CCV01	CCV01	1	1234	Fe,Mn,Na
CCB01	CCB01	1	1246	Fe,Mn,Na
Q3278-01	MW10	1	1305	Fe,Na
Q3278-01	MW10	2	1314	Mn
CCV02	CCV02	1	1416	Fe,Mn,Na
CCB02	CCB02	1	1420	Fe,Mn,Na
CCV03	CCV03	1	1526	Fe,Mn,Na
CCB03	CCB03	1	1530	Fe,Mn,Na
CCV04	CCV04	1	1626	Fe,Mn,Na
CCB04	CCB04	1	1641	Fe,Mn,Na
CCV05	CCV05	1	1727	Fe,Mn,Na
CCB05	CCB05	1	1731	Fe,Mn,Na
CCV06	CCV06	1	1816	Fe,Mn,Na
CCB06	CCB06	1	1820	Fe,Mn,Na
CCV07	CCV07	1	1828	Fe,Mn,Na
CCB07	CCB07	1	1833	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q3278	**OrderDate:**	10/2/2025 3:52:00 PM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3278-01	**MW10**	**Water**			**10/02/25**			**10/02/25**
			Metals Group3	6010D		10/03/25	10/09/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q3278

Contract: GENV01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169978**						
PB169978BL	PB169978BL	MB	WATER	10/03/2025	50.0	25.0	
PB169978BS	PB169978BS	LCS	WATER	10/03/2025	50.0	25.0	
Q3268-01DUP	WATER-TREATMENT-DISCHARGEDUP	DUP	WATER	10/03/2025	50.0	25.0	
Q3268-01MS	WATER-TREATMENT-DISCHARGEMS	MS	WATER	10/03/2025	50.0	25.0	
Q3268-01MSD	WATER-TREATMENT-DISCHARGEMSD	MSD	WATER	10/03/2025	50.0	25.0	
Q3278-01	MW10	SAM	WATER	10/03/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/08/25 12:00		Jaswal	OK
2	S1	S1	CAL2	10/08/25 12:04		Jaswal	OK
3	S2	S2	CAL3	10/08/25 12:08		Jaswal	OK
4	S3	S3	CAL4	10/08/25 12:12		Jaswal	OK
5	S4	S4	CAL5	10/08/25 12:16		Jaswal	OK
6	S5	S5	CAL6	10/08/25 12:20		Jaswal	OK
7	ICV01	ICV01	ICV	10/08/25 12:24		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/08/25 12:32		Jaswal	OK
9	ICB01	ICB01	ICB	10/08/25 12:36		Jaswal	OK
10	CRI01	CRI01	CRDL	10/08/25 12:41		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/08/25 12:45		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/08/25 12:50		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/08/25 12:54		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/08/25 12:59		Jaswal	OK
15	CCV01	CCV01	CCV	10/08/25 13:12		Jaswal	OK
16	CCB01	CCB01	CCB	10/08/25 13:16		Jaswal	OK
17	LR-2	LR-2	HIGH STD	10/08/25 13:25		Jaswal	OK
18	LR-3	LR-3	HIGH STD	10/08/25 13:29		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

19	Q3295-03	EO-02-10062025	SAM	10/08/25 13:34		Jaswal	OK
20	Q3295-01	EO-01-10062025	SAM	10/08/25 13:38		Jaswal	OK
21	Q3295-01L	EO-01-10062025L	SD	10/08/25 13:46		Jaswal	OK
22	Q3295-01MS	EO-01-10062025MS	MS	10/08/25 13:50		Jaswal	OK
23	Q3295-01MSD	EO-01-10062025MSD	MSD	10/08/25 13:54		Jaswal	OK
24	Q3295-01A	EO-01-10062025A	PS	10/08/25 13:58	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
25	LR-1	LR-1	HIGH STD	10/08/25 14:02		Jaswal	OK
26	Q3295-01DUP	EO-01-10062025DUP	DUP	10/08/25 14:08		Jaswal	OK
27	CCV02	CCV02	CCV	10/08/25 14:14		Jaswal	OK
28	CCB02	CCB02	CCB	10/08/25 14:18		Jaswal	OK
29	Q3296-01	SU-04-10062025	SAM	10/08/25 14:23		Jaswal	OK
30	Q3293-01	CONC-STORAGE-PA	SAM	10/08/25 14:27		Jaswal	OK
31	Q3294-01	HD-02-10062025	SAM	10/08/25 14:31		Jaswal	OK
32	Q3297-01	TP1	SAM	10/08/25 14:35		Jaswal	OK
33	Q3297-11	TP2	SAM	10/08/25 14:39		Jaswal	OK
34	Q3268-01	WATER-TREATMENT	SAM	10/08/25 14:43		Jaswal	OK
35	Q3268-01DUP	WATER-TREATMENT	DUP	10/08/25 14:47		Jaswal	OK
36	Q3268-01L	WATER-TREATMENT	SD	10/08/25 14:52		Jaswal	OK
37	Q3268-01MS	WATER-TREATMENT	MS	10/08/25 14:56		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

38	Q3268-01MSD	WATER-TREATMENT	MSD	10/08/25 15:00		Jaswal	OK
39	CCV03	CCV03	CCV	10/08/25 15:04		Jaswal	OK
40	CCB03	CCB03	CCB	10/08/25 15:13		Jaswal	OK
41	Q3268-01A	WATER-TREATMENT	PS	10/08/25 15:17	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
42	PB169978BL	PB169978BL	MB	10/08/25 15:30		Jaswal	OK
43	PB169978BS	PB169978BS	LCS	10/08/25 15:34		Jaswal	OK
44	PB169959BL	PB169959BL	MB	10/08/25 15:38		Jaswal	OK
45	PB169959BS	PB169959BS	LCS	10/08/25 15:43		Jaswal	OK
46	Q3275-01	MW3	SAM	10/08/25 15:47		Jaswal	OK
47	Q3275-02	MW4	SAM	10/08/25 15:51		Jaswal	OK
48	Q3275-03	MW5	SAM	10/08/25 15:55	Na High	Jaswal	Dilution
49	CCV04	CCV04	CCV	10/08/25 16:11		Jaswal	OK
50	CCB04	CCB04	CCB	10/08/25 16:15		Jaswal	OK
51	Q3275-04	MW1	SAM	10/08/25 16:19	Not Use	Jaswal	Not Ok
52	Q3278-01	MW10	SAM	10/08/25 16:24	Not Use	Jaswal	Not Ok
53	Q3260-02	COMP	SAM	10/08/25 16:28		Jaswal	OK
54	Q3260-02DUP	COMPDUP	DUP	10/08/25 16:32		Jaswal	OK
55	Q3260-02L	COMPL	SD	10/08/25 16:37		Jaswal	OK
56	Q3260-02MS	COMPMS	MS	10/08/25 16:41		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

57	Q3260-02MSD	COMPMSD	MSD	10/08/25 16:45		Jaswal	OK
58	Q3260-02A	COMPA	PS	10/08/25 16:49	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
59	Q3267-01DL2	Q4DL2	SAM	10/08/25 16:53	Not Use	Jaswal	Not Ok
60	Q3267-01DL	Q4DL	SAM	10/08/25 16:58	50X Straight Dilution	Jaswal	OK
61	CCV05	CCV05	CCV	10/08/25 17:02		Jaswal	OK
62	CCB05	CCB05	CCB	10/08/25 17:06		Jaswal	OK
63	PB170024BL	PB170024BL	MB	10/08/25 17:10		Jaswal	OK
64	PB170024BS	PB170024BS	LCS	10/08/25 17:15		Jaswal	OK
65	Q3293-02	CONC-STORAGE-PA	SAM	10/08/25 17:19		Jaswal	OK
66	Q3297-10	TP1	SAM	10/08/25 17:23		Jaswal	OK
67	Q3297-20	TP2	SAM	10/08/25 17:27		Jaswal	OK
68	Q3302-06	OR-658-COMP-01	SAM	10/08/25 17:32	NOT USE	Jaswal	Not Ok
69	Q3302-06DUP	OR-658-COMP-01DU	DUP	10/08/25 17:36	NOT USE	Jaswal	Not Ok
70	Q3302-06L	OR-658-COMP-01L	SD	10/08/25 17:41	NOT USE	Jaswal	Not Ok
71	Q3302-06MS	OR-658-COMP-01MS	MS	10/08/25 17:45	NOT USE	Jaswal	Not Ok
72	Q3302-06MSD	OR-658-COMP-01MS	MSD	10/08/25 17:49	NOT USE	Jaswal	Not Ok
73	CCV06	CCV06	CCV	10/08/25 17:53		Jaswal	OK
74	CCB06	CCB06	CCB	10/08/25 17:57		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137484

Review By	jaswal	Review On	10/10/2025 1:52:59 PM
Supervise By	Janvi	Supervise On	10/13/2025 10:50:19 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87035
CCV Standard	MP87042
ICSA Standard	MP87041,MP87048
CRI Standard	MP87035
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/09/25 11:10		Jaswal	OK
2	S1	S1	CAL2	10/09/25 11:15		Jaswal	OK
3	S2	S2	CAL3	10/09/25 11:19		Jaswal	OK
4	S3	S3	CAL4	10/09/25 11:23		Jaswal	OK
5	S4	S4	CAL5	10/09/25 11:27		Jaswal	OK
6	S5	S5	CAL6	10/09/25 11:31		Jaswal	OK
7	ICV01	ICV01	ICV	10/09/25 11:44		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/09/25 11:49		Jaswal	OK
9	ICB01	ICB01	ICB	10/09/25 11:59		Jaswal	OK
10	CRI01	CRI01	CRDL	10/09/25 12:04		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/09/25 12:09		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/09/25 12:19		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/09/25 12:23		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/09/25 12:30		Jaswal	OK
15	CCV01	CCV01	CCV	10/09/25 12:34		Jaswal	OK
16	CCB01	CCB01	CCB	10/09/25 12:46		Jaswal	OK
17	LR-2	LR-2	HIGH STD	10/09/25 12:56		Jaswal	OK
18	Q3278-01	MW10	SAM	10/09/25 13:05	Mn high	Jaswal	Dilution

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137484

Review By	jaswal	Review On	10/10/2025 1:52:59 PM
Supervise By	Janvi	Supervise On	10/13/2025 10:50:19 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87035
CCV Standard	MP87042
ICSA Standard	MP87041,MP87048
CRI Standard	MP87035
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

19	Q3275-04	MW1	SAM	10/09/25 13:09		Jaswal	OK
20	Q3278-01DL	MW10DL	SAM	10/09/25 13:14	2x for Mn	Jaswal	Confirms
21	Q3275-03DL	MW5DL	SAM	10/09/25 13:18	NOT USE	Jaswal	Not Ok
22	Q3302-06	OR-658-COMP-01	SAM	10/09/25 13:22		Jaswal	OK
23	Q3302-06DUP	OR-658-COMP-01DU	DUP	10/09/25 13:27		Jaswal	OK
24	Q3302-06L	OR-658-COMP-01L	SD	10/09/25 13:31		Jaswal	OK
25	LR-1	LR-1	HIGH STD	10/09/25 13:35		Jaswal	OK
26	CCV02	CCV02	CCV	10/09/25 14:16		Jaswal	OK
27	CCB02	CCB02	CCB	10/09/25 14:20		Jaswal	OK
28	Q3302-06MS	OR-658-COMP-01MS	MS	10/09/25 14:28		Jaswal	OK
29	Q3302-06MSD	OR-658-COMP-01MS	MSD	10/09/25 14:32		Jaswal	OK
30	Q3302-06A	OR-658-COMP-01A	PS	10/09/25 14:52	0.1ML M6008,M6017-10ML	Jaswal	OK
31	LR-3	LR-3	HIGH STD	10/09/25 14:58		Jaswal	OK
32	PB170010TB	PB170010TB	MB	10/09/25 15:05		Jaswal	OK
33	PB170023BL	PB170023BL	MB	10/09/25 15:10		Jaswal	OK
34	PB170023BS	PB170023BS	LCS	10/09/25 15:14		Jaswal	OK
35	PB170009BS	PB170009BS	LCS	10/09/25 15:18		Jaswal	OK
36	Q3302-01	OR-658-COMP-01	SAM	10/09/25 15:22		Jaswal	OK
37	CCV03	CCV03	CCV	10/09/25 15:26		Jaswal	OK
38	CCB03	CCB03	CCB	10/09/25 15:30		Jaswal	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB137484

Review By	jaswal	Review On	10/10/2025 1:52:59 PM
Supervise By	Janvi	Supervise On	10/13/2025 10:50:19 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87035
CCV Standard	MP87042
ICSA Standard	MP87041,MP87048
CRI Standard	MP87035
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

39	Q3303-01	HL-WEST	SAM	10/09/25 15:34		Jaswal	OK
40	Q3303-03	HL-EAST	SAM	10/09/25 15:38		Jaswal	OK
41	Q3304-01	TR-04-100725	SAM	10/09/25 15:42		Jaswal	OK
42	Q3304-01DUP	TR-04-100725DUP	DUP	10/09/25 15:47		Jaswal	OK
43	Q3304-01L	TR-04-100725L	SD	10/09/25 15:51		Jaswal	OK
44	Q3304-01MS	TR-04-100725MS	MS	10/09/25 15:55		Jaswal	OK
45	Q3304-01MSD	TR-04-100725MSD	MSD	10/09/25 15:59		Jaswal	OK
46	Q3304-01A	TR-04-100725A	PS	10/09/25 16:02	0.1ML M6008,M6017-10ML	Jaswal	OK
47	Q3304-03	TR-05-100725	SAM	10/09/25 16:06		Jaswal	OK
48	Q3305-01	AU-06-100725	SAM	10/09/25 16:10		Jaswal	OK
49	CCV04	CCV04	CCV	10/09/25 16:26		Jaswal	OK
50	CCB04	CCB04	CCB	10/09/25 16:41		Jaswal	OK
51	Q3292-01	RW8-SP100-2025100	SAM	10/09/25 16:45		Jaswal	OK
52	Q3292-02	RW8-SP303-2025100	SAM	10/09/25 16:50		Jaswal	OK
53	Q3292-02DUP	RW8-SP303-2025100	DUP	10/09/25 16:54		Jaswal	OK
54	Q3292-02L	RW8-SP303-2025100	SD	10/09/25 16:58		Jaswal	OK
55	Q3292-02MS	RW8-SP303-2025100	MS	10/09/25 17:02		Jaswal	OK
56	Q3292-02MSD	RW8-SP303-2025100	MSD	10/09/25 17:06		Jaswal	OK
57	Q3292-02A	RW8-SP303-2025100	PS	10/09/25 17:10	0.1ML M6008,M6017-10ML	Jaswal	OK
58	Q3275-03DL2	MW5DL2	SAM	10/09/25 17:14	10x for Na	Jaswal	Confirms

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137484

Review By	jaswal	Review On	10/10/2025 1:52:59 PM
Supervise By	Janvi	Supervise On	10/13/2025 10:50:19 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87035
CCV Standard	MP87042
ICSA Standard	MP87041,MP87048
CRI Standard	MP87035
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

59	PB170044BS	PB170044BS	LCS	10/09/25 17:23		Jaswal	OK
60	CCV05	CCV05	CCV	10/09/25 17:27		Jaswal	OK
61	CCB05	CCB05	CCB	10/09/25 17:31		Jaswal	OK
62	Q3313-01	ETGI-360	SAM	10/09/25 17:35		Jaswal	OK
63	Q3315-03	72-11989	SAM	10/09/25 17:39		Jaswal	OK
64	Q3315-03DUP	72-11989DUP	DUP	10/09/25 17:43		Jaswal	OK
65	Q3315-03L	72-11989L	SD	10/09/25 17:48		Jaswal	OK
66	Q3315-03MS	72-11989MS	MS	10/09/25 17:52		Jaswal	OK
67	Q3315-03MSD	72-11989MSD	MSD	10/09/25 17:56		Jaswal	OK
68	Q3315-03A	72-11989A	PS	10/09/25 17:59	0.1ML M6008,M6017-10ML	Jaswal	OK
69	Q3318-01	VNJ-207	SAM	10/09/25 18:03		Jaswal	OK
70	Q3319-01	OK-01-100825	SAM	10/09/25 18:07		Jaswal	OK
71	PB170009BL	PB170009BL	MB	10/09/25 18:11		Jaswal	OK
72	CCV06	CCV06	CCV	10/09/25 18:16		Jaswal	OK
73	CCB06	CCB06	CCB	10/09/25 18:20		Jaswal	OK
74	PB170044BL	PB170044BL	MB	10/09/25 18:24		Jaswal	OK
75	CCV07	CCV07	CCV	10/09/25 18:28		Jaswal	OK
76	CCB07	CCB07	CCB	10/09/25 18:33		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169978

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 BOCK #1 2. N/A

Start Digest Date: 10/03/2025 **Time :** 10:20 **Temp :** 96 °C

End Digest Date: 10/03/2025 **Time :** 13:25 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKJ.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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	MP87148
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/2025 13:25	SJS met dig	SG (metals lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169978

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169978BL	PBW978	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169978BS	LCS978	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q3268-01MS	WATER-TREATMENT-DISCHA RGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	5
Q3268-01MSD	WATER-TREATMENT-DISCHA RGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q3268-01DUP	WATER-TREATMENT-DISCHA RGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3268-01	WATER-TREATMENT-DISCHA RGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3275-01	MW3	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	7
Q3275-02	MW4	<2	50	25	Brown	light Brown	Cloudy	Clear	N/A	8
Q3275-03	MW5	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	9
Q3275-04	MW1	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	10
Q3278-01	MW10	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	10/02/25 11:35
Project:	DPW	Date Received:	10/02/25
Client Sample ID:	MW10	SDG No.:	Q3278
Lab Sample ID:	Q3278-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	0.095	U	1	0.095	0.50	mg/L		10/03/25 12:47	300.0
Sulfate	0.88	J	1	0.46	3.00	mg/L		10/03/25 12:47	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

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

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q3278

Project: DPW **RunNo.:** LB137410

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	9.9	10	99	90-110	10/03/2025
Chloride	mg/L	2.9	3	97	90-110	10/03/2025
Fluoride	mg/L	2	2	100	90-110	10/03/2025
Nitrite	mg/L	3	3	100	90-110	10/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	10/03/2025
Sulfate	mg/L	14.8	15	99	90-110	10/03/2025
Orthophosphate as P	mg/L	4.5	5	90	90-110	10/03/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	10/03/2025
Chloride	mg/L	3	3	100	90-110	10/03/2025
Fluoride	mg/L	2	2	100	90-110	10/03/2025
Nitrite	mg/L	3	3	100	90-110	10/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	10/03/2025
Sulfate	mg/L	14.9	15	99	90-110	10/03/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	10/03/2025
Sample ID: CCV3						
Bromide	mg/L	9.9	10	99	90-110	10/03/2025
Chloride	mg/L	2.9	3	97	90-110	10/03/2025
Fluoride	mg/L	2	2	100	90-110	10/03/2025
Nitrite	mg/L	3	3	100	90-110	10/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	10/03/2025
Sulfate	mg/L	14.8	15	99	90-110	10/03/2025
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/03/2025

Alliance TECHNICAL GROUP
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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q3278

Project: DPW **RunNo.:** LB137410

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/03/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/03/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/03/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q3278

Project: DPW

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**LB137410BLW**						
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/03/2025

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Matrix Spike Summary

Client: G Environmental
SDG No.: Q3278
Project: DPW
Sample ID: Q3275-04
Client ID: MW1MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		10/03/2025
Chloride	mg/L	80-120	1180	OR	1240	OR	3	1	-2000	*	10/03/2025
Fluoride	mg/L	80-120	2.30		0.22	J	2	1	104		10/03/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		10/03/2025
Nitrate	mg/L	80-120	2.50		0.095	U	2.5	1	100		10/03/2025
Sulfate	mg/L	80-120	37.7	OR	23.2		15	1	97		10/03/2025
Orthophosphate as P	mg/L	80-120	4.80		0.34	U	5	1	96		10/03/2025

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Matrix Spike Summary

Client: G Environmental
Project: DPW
Client ID: MW1MSD

SDG No.: Q3278
Sample ID: Q3275-04
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.80		0.37	U	10	1	98		10/03/2025
Chloride	mg/L	80-120	1180	OR	1240	OR	3	1	-2000	*	10/03/2025
Fluoride	mg/L	80-120	2.10		0.22	J	2	1	94		10/03/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		10/03/2025
Nitrate	mg/L	80-120	2.40		0.095	U	2.5	1	96		10/03/2025
Sulfate	mg/L	80-120	37.1		23.2		15	1	93		10/03/2025
Orthophosphate as P	mg/L	80-120	4.40		0.34	U	5	1	88		10/03/2025

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Duplicate Sample Summary

Client: G Environmental
Project: DPW
Client ID: MW1MSD

SDG No.: Q3278
Sample ID: Q3275-04
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Chloride	mg/L	+/-20	1180	OR	1180	OR	1	0		10/03/2025
Sulfate	mg/L	+/-20	37.7	OR	37.1		1	2		10/03/2025
Nitrite	mg/L	+/-20	3.00		2.90		1	3		10/03/2025
Nitrate	mg/L	+/-20	2.50		2.40		1	4		10/03/2025
Bromide	mg/L	+/-20	10.3		9.80		1	5		10/03/2025
Fluoride	mg/L	+/-20	2.30		2.10		1	9		10/03/2025
Orthophosphate as P	mg/L	+/-20	4.80		4.40		1	9		10/03/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q3278

Project: DPW **Run No.:** LB137410

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137410BSW								
Bromide	mg/L	10	9.90		99	1	90-110	10/03/2025
Chloride	mg/L	3	2.90		97	1	90-110	10/03/2025
Fluoride	mg/L	2	2.00		100	1	90-110	10/03/2025
Nitrite	mg/L	3	3.00		100	1	90-110	10/03/2025
Nitrate	mg/L	2.5	2.40		96	1	90-110	10/03/2025
Sulfate	mg/L	15	14.8		99	1	90-110	10/03/2025
Orthophosphate as P	mg/L	5	4.60		92	1	90-110	10/03/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137410

Review By	rubina	Review On	10/7/2025 8:23:35 AM
Supervise By	Iwona	Supervise On	10/7/2025 9:31:32 AM
SubDirectory	LB137410	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP115067
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115068
Chk Standard	WP114685,WP114686

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/09/25 10:21	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	09/09/25 10:42	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	09/09/25 11:25	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	09/09/25 11:47		RM/IZ	OK
5	STD5	STD5	CAL5	09/09/25 13:36		RM/IZ	OK
6	STD6	STD6	CAL6	09/09/25 13:58		RM/IZ	OK
7	STD7	STD7	CAL7	09/09/25 14:41		RM/IZ	OK
8	ICV1	ICV1	ICV	09/09/25 15:02		RM/IZ	OK
9	ICB1	ICB1	ICB	09/09/25 15:45		RM/IZ	OK
10	CCV1	CCV1	CCV	10/03/25 09:11		RM/IZ	OK
11	CCB1	CCB1	CCB	10/03/25 09:33		RM/IZ	OK
12	LB137410BLW	LB137410BLW	MB	10/03/25 09:54		RM/IZ	OK
13	LB137410BSW	LB137410BSW	LCS	10/03/25 10:16		RM/IZ	OK
14	Q3275-01	MW3	SAM	10/03/25 10:37	Cl is high, need dilution	RM/IZ	Dilution
15	Q3275-02	MW4	SAM	10/03/25 10:59	Cl is high, need dilution	RM/IZ	Dilution
16	Q3275-03	MW5	SAM	10/03/25 11:21	Cl is high, need dilution	RM/IZ	Dilution
17	Q3275-04	MW1	SAM	10/03/25 11:42	Cl is high, need dilution	RM/IZ	Dilution
18	Q3275-04MS	MW1MS	MS	10/03/25 12:04	9.5ml of sample, 0.5mL W3096	RM/IZ	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137410

Review By	rubina	Review On	10/7/2025 8:23:35 AM
Supervise By	lwona	Supervise On	10/7/2025 9:31:32 AM
SubDirectory	LB137410	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP115067
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115068
Chk Standard	WP114685,WP114686

19	Q3275-04MSD	MW1MSD	MSD	10/03/25 12:25	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
20	Q3278-01	MW10	SAM	10/03/25 12:47		RM/IZ	OK
21	CCV2	CCV2	CCV	10/03/25 13:08		RM/IZ	OK
22	CCB2	CCB2	CCB	10/03/25 13:30		RM/IZ	OK
23	Q3275-01DL	MW3DL	SAM	10/03/25 13:51	100X for Cl	RM/IZ	Confirms
24	Q3275-02DL	MW4DL	SAM	10/03/25 14:13	100X for Cl	RM/IZ	OK
25	Q3275-03DL	MW5DL	SAM	10/03/25 14:36	500X For cl still High	RM/IZ	Dilution
26	Q3275-04DL	MW1DL	SAM	10/03/25 15:00	200X For Cl	RM/IZ	Confirms
27	Q3275-03DL2	MW5DL2	SAM	10/03/25 15:21	5000X For Cl	RM/IZ	Confirms
28	CCV3	CCV3	CCV	10/03/25 15:43		RM/IZ	OK
29	CCB3	CCB3	CCB	10/03/25 16:04		RM/IZ	OK

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LAB CHRONICLE

OrderID:	Q3278	**OrderDate:**	10/2/2025 3:52:00 PM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3278-01	**MW10**	**WATER**			**10/02/25 11:35**			**10/02/25**
			Anions Group1	300.0			10/03/25 12:47	

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. Q3278
COC Number 2047917

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: DPW
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) X NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) NJDEP HazSite Other pdf
X EDD FORMAT HazSite excel

ANALYSIS

1: TCL VOCs 2: Nitrate 3: Sulfate 4: For MNA 5: TN 6: 7: 8: 9:

PRESERVATIVES

	1	2	3	4	5	6	7	8	9
		HCl			HNO3				

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.	MW10	GW		X	10/2/25	1135	4		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.	10/2/25 1540	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: If Cont

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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3278 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 10/2/2025 3:52:00 PM
Project Name : DPW
Receive DateTime : 10/2/2025 3:40:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3278-01	MW10	Water	10/02/2025	11:35					
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 10/2/25 1620

Received By : Sam
Date / Time : 10/03/25 8:10 RJH 4

Storage Area : VOA Refridgerator Room