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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : PIT - 2025

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q2402

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q2402

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : Project Number :

Laboratory Sample ID(s) : Q2402 Sampling Date(s) : 06/23/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260-Low**

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 : Q2402

Project ID : Pit - 2025

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2402-01	OBS1

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

Signature : _____ Date: 7/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Pit - 2025
Project # N/A
Order ID # Q2402
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
1 Water sample was received on 06/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID VN087149.D met the requirements except for 1,1,2,2-Tetrachloroethane,1,1,2-Trichloroethane,1,2-Dibromoethane,1,2-Dichloropropane,2-Hexanone,4-Methyl-2-Pentanone, Bromodichloromethane,Bromoform,Chloroethane,cis-1,3-Dichloropropene, Dibromochloromethane, Ethyl Benzene,,o-Xylene,Styrene,t-1,3-Dichloropropene, and Trichlorofluoromethane . Failing high but associated samples have no positive hit for these compounds while, Toluene and m/p-Xylenes failing high but associated samples having hit below CRQL therefore no corrective action was taken.
The Tuning criteria met requirements.

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

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2402

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

QA Review Signature: MOHAMMAD AHMED **Date:** 07/08/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2402

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**OBS1**								
Q2402-01	OBS1	Water	Chloromethane		0.79	J	0.32	1.00	ug/L
Q2402-01	OBS1	Water	Acetone		2.70	J	1.50	5.00	ug/L
Q2402-01	OBS1	Water	Benzene		0.82	J	0.15	1.00	ug/L
Q2402-01	OBS1	Water	Toluene		0.57	J	0.14	1.00	ug/L
Q2402-01	OBS1	Water	m/p-Xylenes		0.48	J	0.24	2.00	ug/L
			Total Voc :		5.36				
Q2402-01	OBS1	Water	1,2,4-Trimethylbenzene	*	0.41	J	0.14	1.00	ug/L
			Total Tics :		0.41				
			Total Concentration:		5.77				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	06/23/25
Project:	Pit - 2025	Date Received:	06/23/25
Client Sample ID:	OBS1	SDG No.:	Q2402
Lab Sample ID:	Q2402-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087159.D	1	06/24/25 16:11	VN062425

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	0.79	J	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	2.70	J	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	0.82	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

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Report of Analysis

Client:	G Environmental	Date Collected:	06/23/25
Project:	Pit - 2025	Date Received:	06/23/25
Client Sample ID:	OBS1	SDG No.:	Q2402
Lab Sample ID:	Q2402-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087159.D	1	06/24/25 16:11	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.57	J	0.14	1.00	ug/L
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	0.48	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	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	61.1		70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	8.23			
540-36-3	1,4-Difluorobenzene	387000	9.106			
3114-55-4	Chlorobenzene-d5	336000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/23/25
Project:	Pit - 2025	Date Received:	06/23/25
Client Sample ID:	OBS1	SDG No.:	Q2402
Lab Sample ID:	Q2402-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087159.D	1	06/24/25 16:11	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.41	J		13.5	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

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Surrogate Summary

SDG No.: Q2402

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2402-01	OBS1	1,2-Dichloroethane-d4	50	61.1	122		70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100		70 (75)	130 (124)
		Toluene-d8	50	52.8	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99		70 (77)	130 (121)
VN0624WBL01	VN0624WBL01	1,2-Dichloroethane-d4	50	56.3	113		70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106		70 (75)	130 (124)
		Toluene-d8	50	53.0	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105		70 (77)	130 (121)
VN0624WBS01	VN0624WBS01	1,2-Dichloroethane-d4	50	52.5	105		70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103		70 (75)	130 (124)
		Toluene-d8	50	47.1	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.6	105		70 (77)	130 (121)
VN0624WBSD0	VN0624WBSD01	1,2-Dichloroethane-d4	50	54.1	108		70 (74)	130 (125)
		Dibromofluoromethane	50	54.7	109		70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0624WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			40 (69)	160 (116)	
	Chloromethane	20	17.6	ug/L	88			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	16.8	ug/L	84			40 (58)	160 (125)	
	Chloroethane	20	15.2	ug/L	76			40 (56)	160 (128)	
	Trichlorofluoromethane	20	16.8	ug/L	84			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			70 (80)	130 (112)	
	Tert butyl alcohol	100	94.0	ug/L	94			70 (48)	130 (142)	
	1,1-Dichloroethene	20	19.3	ug/L	97			70 (74)	130 (110)	
	Acetone	100	98.7	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	19.4	ug/L	97			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	19.1	ug/L	96			70 (67)	130 (125)	
	Methylene Chloride	20	19.2	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.9	ug/L	100			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.0	ug/L	105			70 (78)	130 (112)	
	Cyclohexane	20	17.0	ug/L	85			70 (75)	130 (110)	
	2-Butanone	100	98.8	ug/L	99			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.5	ug/L	103			70 (77)	130 (110)	
	Bromochloromethane	20	20.9	ug/L	104			70 (70)	130 (124)	
	Chloroform	20	19.5	ug/L	98			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.5	ug/L	98			70 (80)	130 (108)	
	Methylcyclohexane	20	14.8	ug/L	74			70 (72)	130 (115)	
	Benzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.0	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.7	ug/L	89			70 (83)	130 (111)	
	Bromodichloromethane	20	19.4	ug/L	97			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	95.6	ug/L	96			40 (74)	160 (118)	
	Toluene	20	18.5	ug/L	93			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			70 (83)	130 (112)	
	2-Hexanone	100	85.0	ug/L	85			40 (73)	160 (117)	
	Dibromochloromethane	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.1	ug/L	101			70 (81)	130 (110)	
	Tetrachloroethene	20	16.9	ug/L	85			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.2	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	35.8	ug/L	90			70 (82)	130 (110)	
	o-Xylene	20	18.3	ug/L	92			70 (83)	130 (109)	
	Styrene	20	18.2	ug/L	91			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	17.4	ug/L	87			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0624WBS01	1,2-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	16.7	ug/L	84			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.2	ug/L	81			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.0	ug/L	80			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0624WBSD01	Dichlorodifluoromethane	20	19.2	ug/L	96	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.0	ug/L	85	3		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	16.8	ug/L	84	14		70 (65)	130 (117)	20 (19)
	Bromomethane	20	15.9	ug/L	79	6		40 (58)	160 (125)	20 (20)
	Chloroethane	20	14.8	ug/L	74	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	16.5	ug/L	83	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	2		70 (80)	130 (112)	20 (15)
	Tert butyl alcohol	100	100	ug/L	100	6		70 (48)	130 (142)	20 (30)
	1,1-Dichloroethene	20	18.8	ug/L	94	3		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	19.3	ug/L	97	0		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.8	ug/L	104	4		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.8	ug/L	104	8		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.0	ug/L	100	4		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	3		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	20.3	ug/L	102	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.4	ug/L	92	8		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	1		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.0	ug/L	95	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.5	ug/L	98	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.8	ug/L	109	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.2	ug/L	101	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	15.6	ug/L	78	5		70 (72)	130 (115)	20 (20)
	Benzene	20	19.3	ug/L	97	7		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.9	ug/L	110	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.1	ug/L	91	1		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.5	ug/L	103	15		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	20.8	ug/L	104	7		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	14		40 (74)	160 (118)	20 (25)
	Toluene	20	19.3	ug/L	97	4		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.5	ug/L	103	5		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	7		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.6	ug/L	103	6		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	91.6	ug/L	92	8		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.4	ug/L	102	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	0		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	17.0	ug/L	85	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.9	ug/L	95	2		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.3	ug/L	92	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	36.4	ug/L	91	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.2	ug/L	91	1		70 (83)	130 (109)	20 (20)
	Styrene	20	18.5	ug/L	93	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	21.0	ug/L	105	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	17.5	ug/L	88	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.2	ug/L	91	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.5	ug/L	93	2		70 (82)	130 (107)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0624WBSD01	1,2-Dichlorobenzene	20	18.4	ug/L	92	1		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94	11		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	16.7	ug/L	84	4		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	15.9	ug/L	79	1		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0624WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2402

Lab File ID: VN087150.D | Lab Sample ID: VN0624WBL01

Date Analyzed: 06/24/2025 | Time Analyzed: 12:44

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0624WBS01	VN0624WBS01	VN087152.D	06/24/2025
VN0624WBSD01	VN0624WBSD01	VN087153.D	06/24/2025
OBS1	Q2402-01	VN087159.D	06/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2402
Lab File ID: VN086861.D
BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N
BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2402
Lab File ID: VN087148.D
BFB Injection Date: 06/24/2025
Instrument ID: MSVOA_N
BFB Injection Time: 10:41
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	47.1
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.1 (7.2) 1
176	95.0 - 101.0% of mass 174	67.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.5) 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	VN087149.D	06/24/2025	11:14
VN0624WBL01	VN0624WBL01	VN087150.D	06/24/2025	12:44
VN0624WBS01	VN0624WBS01	VN087152.D	06/24/2025	13:28
VN0624WBSD01	VN0624WBSD01	VN087153.D	06/24/2025	14:01
OBS1	Q2402-01	VN087159.D	06/24/2025	16:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2402

Lab File ID: VN087149.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_N Time Analyzed: 11:14

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	137487	8.23	272967	9.11	232699	11.87
UPPER LIMIT	274974	8.73	545934	9.606	465398	12.365
LOWER LIMIT	68743.5	7.73	136484	8.606	116350	11.365
EPA SAMPLE NO.						
OBS1	181938	8.23	387109	9.11	336293	11.87
VN0624WBL01	149121	8.23	287883	9.11	275522	11.87
VN0624WBS01	160941	8.23	295023	9.11	279201	11.87
VN0624WBSD01	148340	8.23	264363	9.11	239185	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2402

Lab File ID: VN087149.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_N Time Analyzed: 11:14

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

	IS4 AREA #	RT #				
12 HOUR STD	123154	13.788				
UPPER LIMIT	246308	14.288				
LOWER LIMIT	61577	13.288				
EPA SAMPLE NO.						
OBS1	160118	13.79				
VN0624WBL01	132163	13.79				
VN0624WBS01	141896	13.79				
VN0624WBSD01	121327	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBL01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087150.D	1	06/24/25 12:44	VN062425

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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBL01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087150.D	1	06/24/25 12:44	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
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	56.3		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.0		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	8.23			
540-36-3	1,4-Difluorobenzene	288000	9.106			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBL01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087150.D	1	06/24/25 12:44	VN062425

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:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBS01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087152.D	1	06/24/25 13:28	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.22	1.00	ug/L
74-87-3	Chloromethane	17.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.26	1.00	ug/L
74-83-9	Bromomethane	16.8		1.40	5.00	ug/L
75-00-3	Chloroethane	15.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	94.0		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	1.00	ug/L
67-64-1	Acetone	98.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.50	5.00	ug/L
78-93-3	2-Butanone	98.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.22	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	14.8		0.16	1.00	ug/L
71-43-2	Benzene	18.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.6		0.68	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBS01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087152.D	1	06/24/25 13:28	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	18.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	85.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.3		0.12	1.00	ug/L
100-42-5	Styrene	18.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.7		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.23			
540-36-3	1,4-Difluorobenzene	295000	9.106			
3114-55-4	Chlorobenzene-d5	279000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBS01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087152.D	1	06/24/25 13:28	VN062425

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:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBSD01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087153.D	1	06/24/25 14:01	VN062425

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	17.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	15.9		1.40	5.00	ug/L
75-00-3	Chloroethane	14.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		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	18.4		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	15.6		0.16	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBSD01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087153.D	1	06/24/25 14:01	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	19.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.4		0.24	2.00	ug/L
95-47-6	o-Xylene	18.2		0.12	1.00	ug/L
100-42-5	Styrene	18.5		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.4		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	16.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	8.23			
540-36-3	1,4-Difluorobenzene	264000	9.106			
3114-55-4	Chlorobenzene-d5	239000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit - 2025	Date Received:	
Client Sample ID:	VN0624WBSD01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087153.D	1	06/24/25 14:01	VN062425

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.: Q2402

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
Tert butyl alcohol		0.192	0.194	0.176	0.180	0.166	0.182	6.4
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2402

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2402
Instrument ID: MSVOA_N
Calibration Date/Time: 06/24/2025 11:14
Lab File ID: VN087149.D
Init. Calib. Date(s): 06/06/2025 06/06/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:44 14:49
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.552		10.62	20
Chloromethane	0.644	0.637	0.1	-1.09	20
Vinyl Chloride	0.664	0.712		7.23	20
Bromomethane	0.372	0.444		19.35	20
Chloroethane	0.429	0.580		35.2	20
Trichlorofluoromethane	0.868	1.153		32.83	20
1,1,2-Trichlorotrifluoroethane	0.545	0.573		5.14	20
Tert butyl alcohol	0.182	0.179		-1.65	20
1,1-Dichloroethene	0.557	0.567		1.79	20
Acetone	0.355	0.328		-7.61	20
Carbon Disulfide	1.539	1.598		3.83	20
Methyl tert-butyl Ether	2.015	2.175		7.94	20
Methyl Acetate	1.035	1.011		-2.32	20
Methylene Chloride	0.665	0.684		2.86	20
trans-1,2-Dichloroethene	0.619	0.652		5.33	20
1,1-Dichloroethane	1.120	1.271	0.1	13.48	20
Cyclohexane	1.086	1.232		13.44	20
2-Butanone	0.577	0.667		15.6	20
Carbon Tetrachloride	0.433	0.477		10.16	20
cis-1,2-Dichloroethene	0.740	0.868		17.3	20
Bromochloromethane	0.550	0.574		4.36	20
Chloroform	1.118	1.324		18.43	20
1,1,1-Trichloroethane	0.951	1.128		18.61	20
Methylcyclohexane	0.605	0.638		5.45	20
Benzene	1.444	1.662		15.1	20
1,2-Dichloroethane	0.438	0.505		15.3	20
Trichloroethene	0.342	0.393		14.91	20
1,2-Dichloropropane	0.351	0.444		26.5	20
Bromodichloromethane	0.480	0.595		23.96	20
4-Methyl-2-Pentanone	0.543	0.695		27.99	20
Toluene	0.882	1.106		25.4	20
t-1,3-Dichloropropene	0.537	0.685		27.56	20
cis-1,3-Dichloropropene	0.574	0.733		27.7	20
1,1,2-Trichloroethane	0.340	0.417		22.65	20
2-Hexanone	0.350	0.451		28.86	20
Dibromochloromethane	0.354	0.442		24.86	20
1,2-Dibromoethane	0.348	0.434		24.71	20
Tetrachloroethene	0.316	0.372		17.72	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

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Lab File ID: VN087149.D | Init. Calib. Date(s): 06/06/2025 06/06/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.103	1.296	0.3	17.5	20
Ethyl Benzene	1.900	2.402		26.42	20
m/p-Xylenes	0.727	0.920		26.55	20
o-Xylene	0.696	0.881		26.58	20
Styrene	1.192	1.515		27.1	20
Bromoform	0.263	0.360	0.1	36.88	20
Isopropylbenzene	3.643	4.318		18.53	20
1,1,2,2-Tetrachloroethane	1.234	1.538	0.3	24.64	20
1,3-Dichlorobenzene	1.644	1.946		18.37	20
1,4-Dichlorobenzene	1.676	1.919		14.5	20
1,2-Dichlorobenzene	1.579	1.877		18.87	20
1,2-Dibromo-3-Chloropropane	0.295	0.344		16.61	20
1,2,4-Trichlorobenzene	1.008	1.093		8.43	20
1,2,3-Trichlorobenzene	1.002	0.977		-2.49	20
1,2-Dichloroethane-d4	0.669	0.710		6.13	20
Dibromofluoromethane	0.296	0.291		-1.69	20
Toluene-d8	1.173	1.205		2.73	20
4-Bromofluorobenzene	0.436	0.477		9.4	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Quant Time: Jun 25 04:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

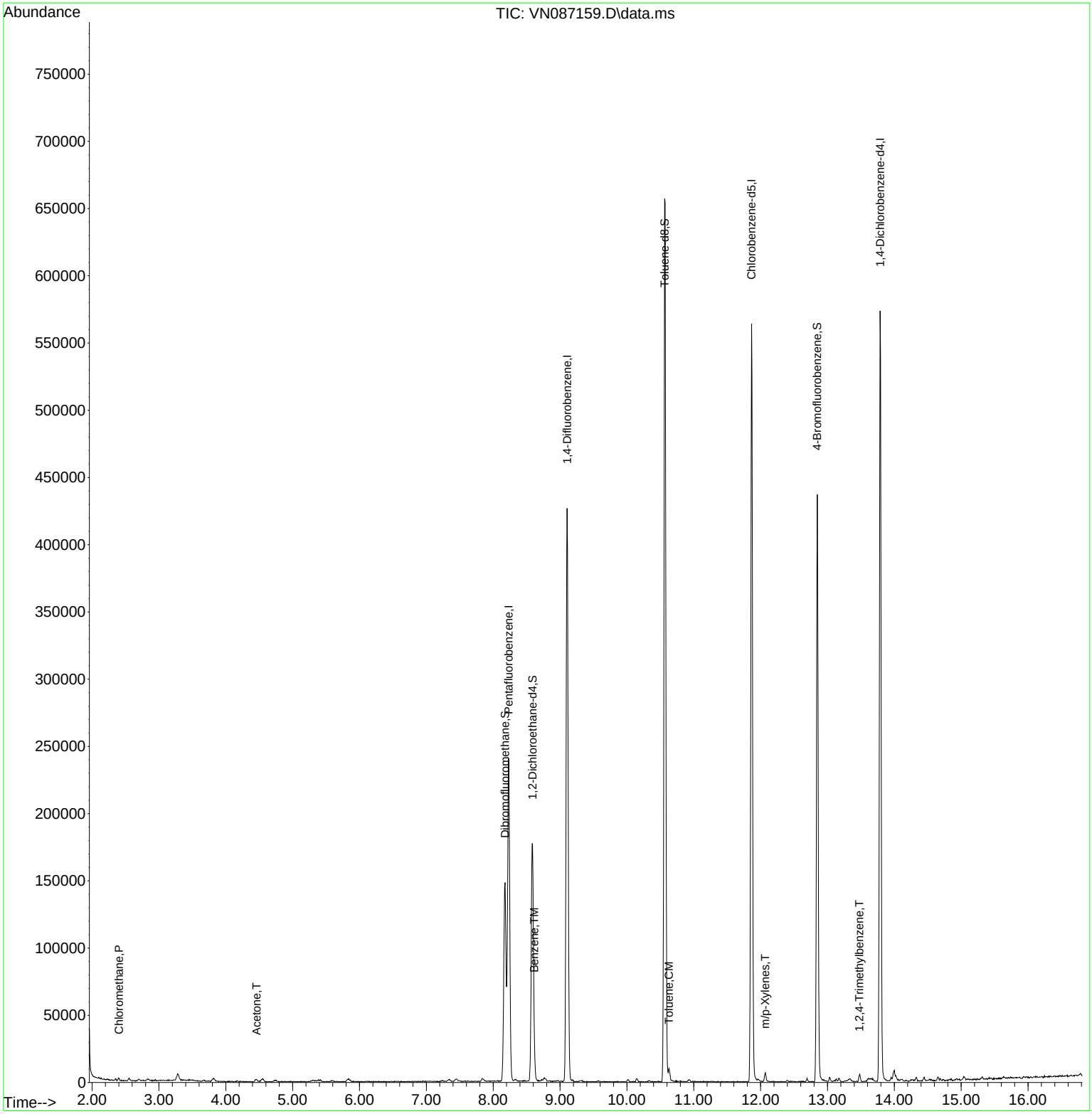
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	181938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	148885	61.120	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.240%			
35) Dibromofluoromethane	8.177	113	115149	50.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	479901	52.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.847	95	166768	49.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.860%			
Target Compounds						Qvalue
3) Chloromethane	2.401	50	1849	0.789	ug/l	99
16) Acetone	4.459	43	3501	2.710	ug/l	98
40) Benzene	8.612	78	9158	0.819	ug/l	93
52) Toluene	10.629	92	3923	0.574	ug/l	96
68) m/p-Xylenes	12.070	106	2339	0.478	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	3960	0.410	ug/l	99

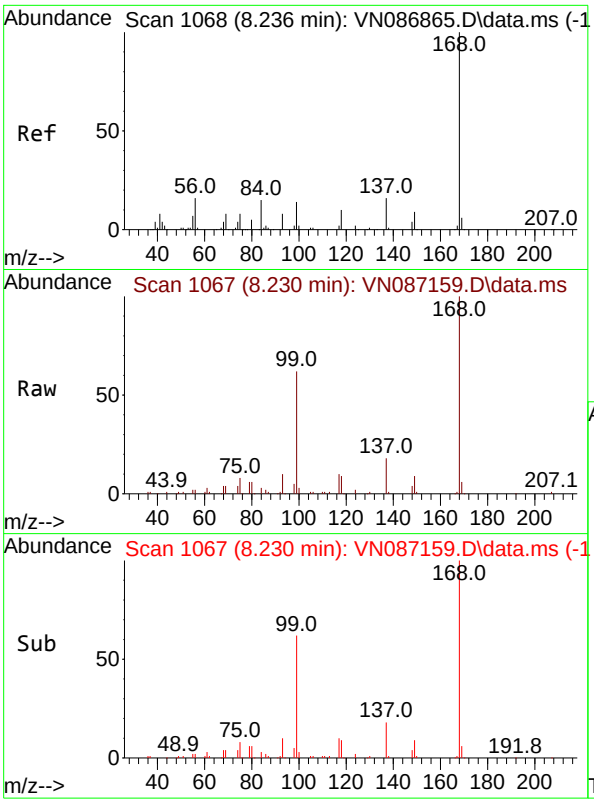
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Quant Time: Jun 25 04:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



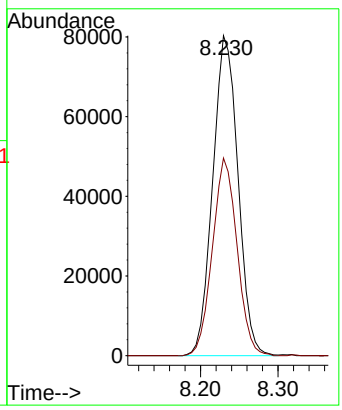


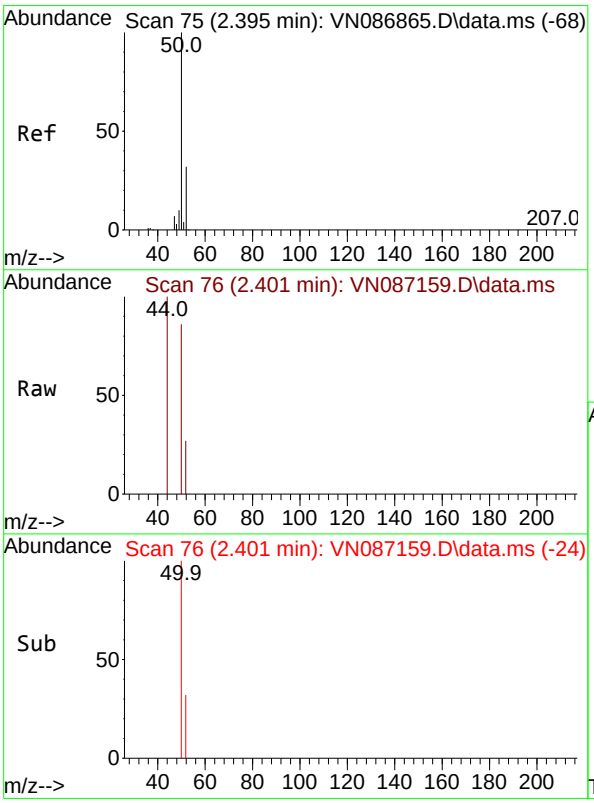
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion:168 Resp: 181938

Ion	Ratio	Lower	Upper
168	100		
99	61.7	49.1	73.7

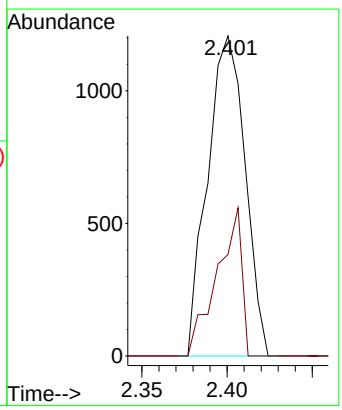


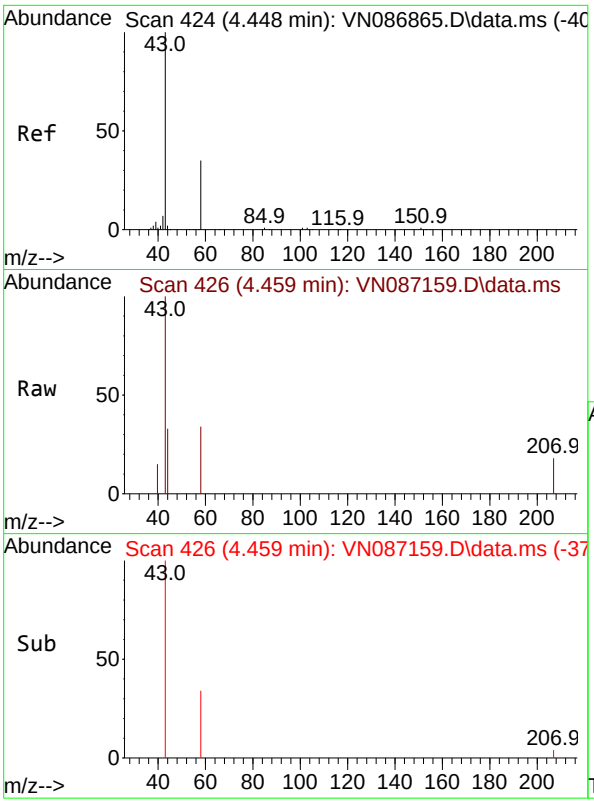


#3
Chloromethane
Concen: 0.789 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 50 Resp: 1849

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.7	38.5



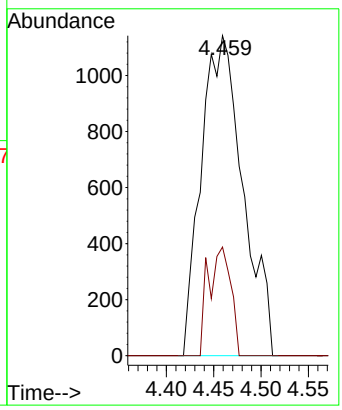


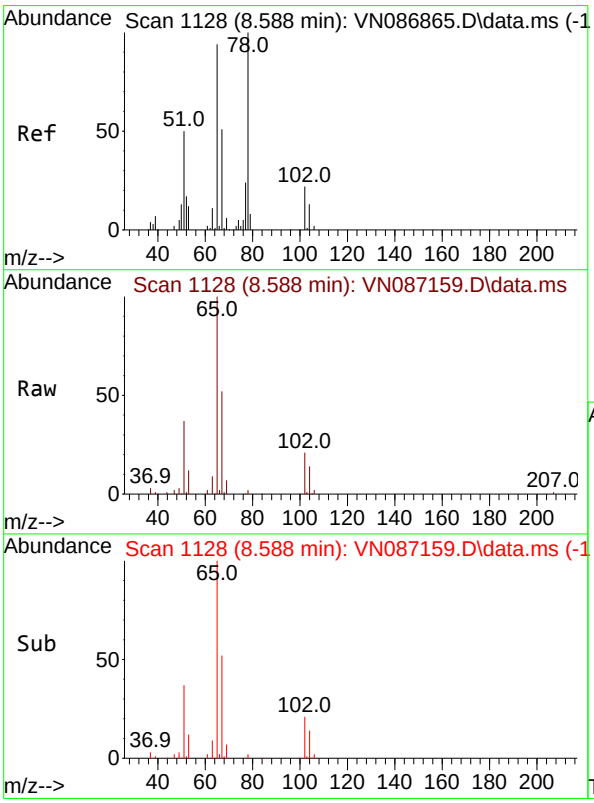
#16
Acetone
Concen: 2.710 ug/l
RT: 4.459 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion: 43 Resp: 3501

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.0	42.0

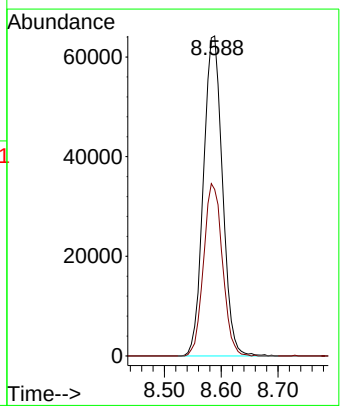


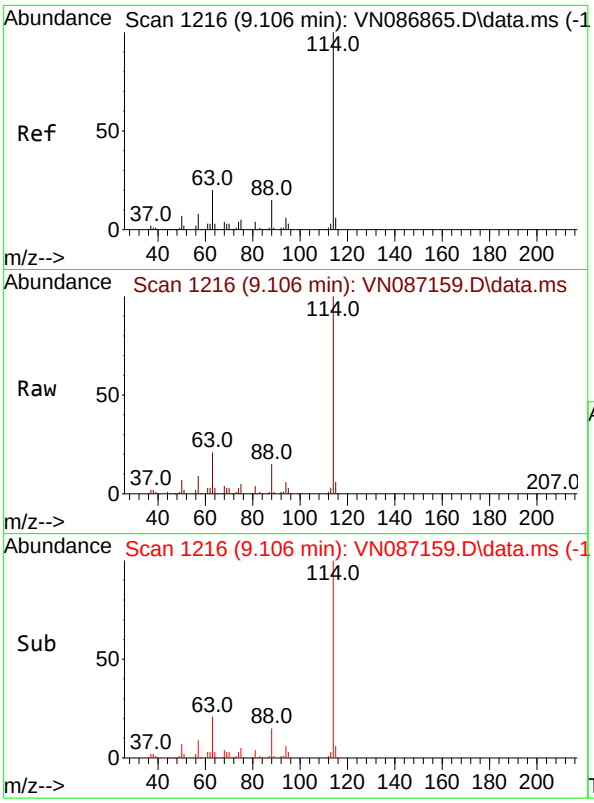


#33
1,2-Dichloroethane-d4
Concen: 61.120 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 65 Resp: 148885

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.6



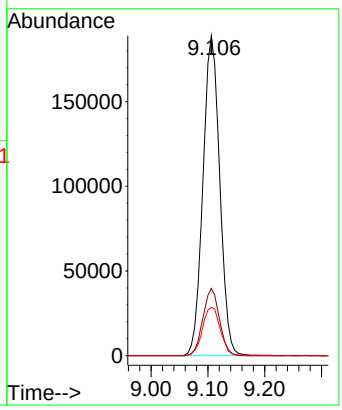


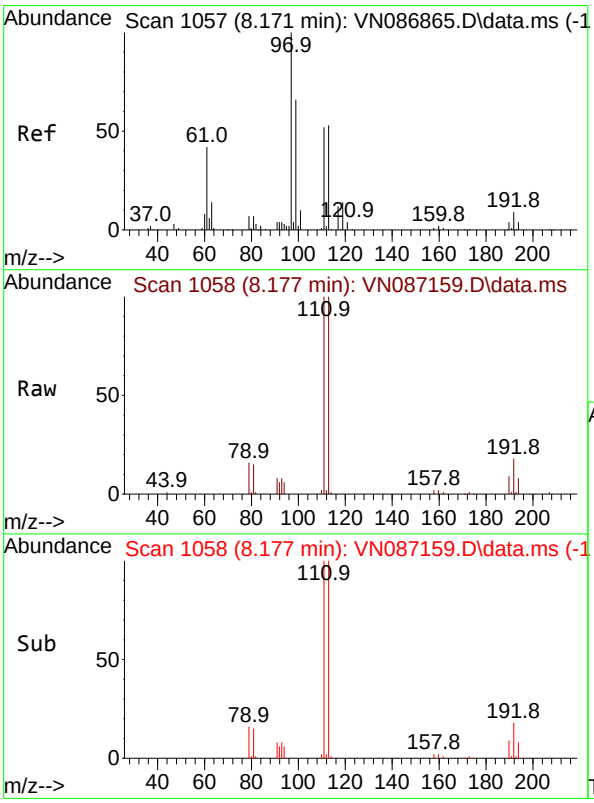
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion:114 Resp: 387109

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.6
88	15.1	0.0	30.2

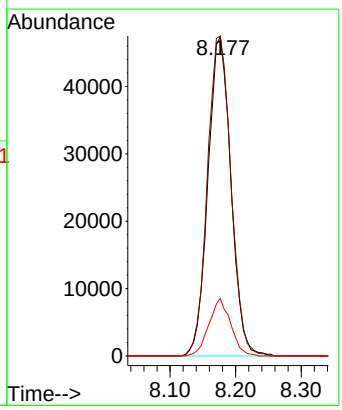


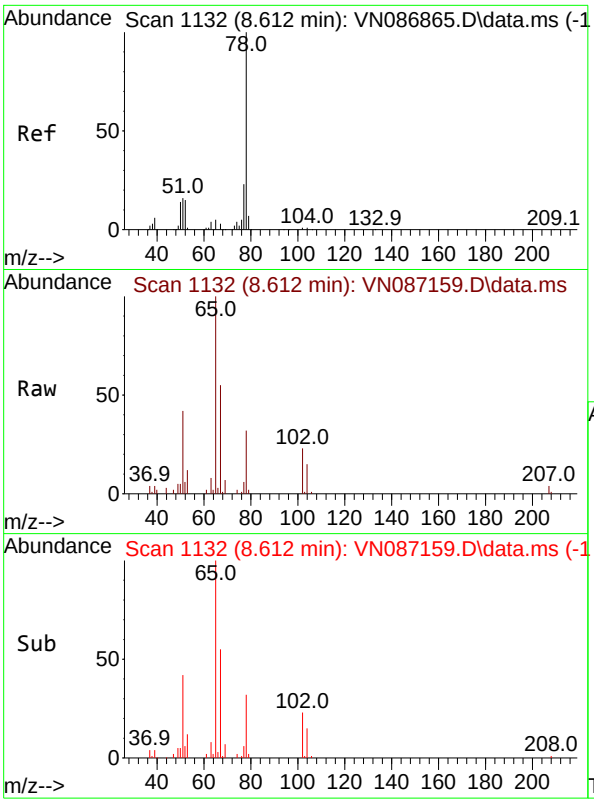


#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:113 Resp: 115149

Ion	Ratio	Lower	Upper
113	100		
111	102.8	84.2	126.2
192	17.1	14.2	21.4



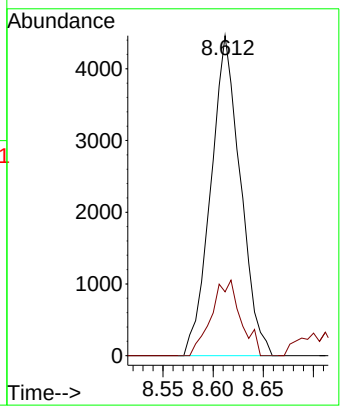


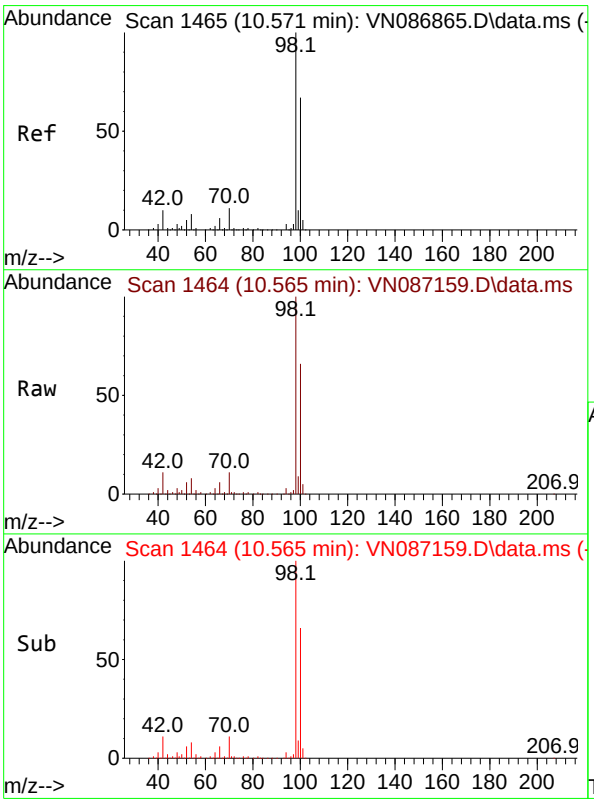
#40
Benzene
Concen: 0.819 ug/l
RT: 8.612 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion: 78 Resp: 9158

Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.7	28.1

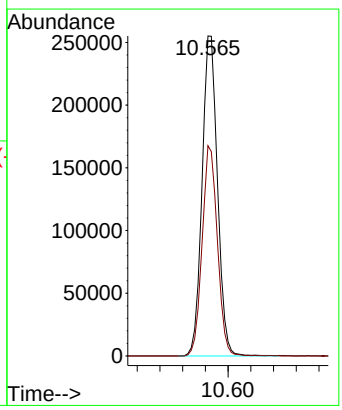


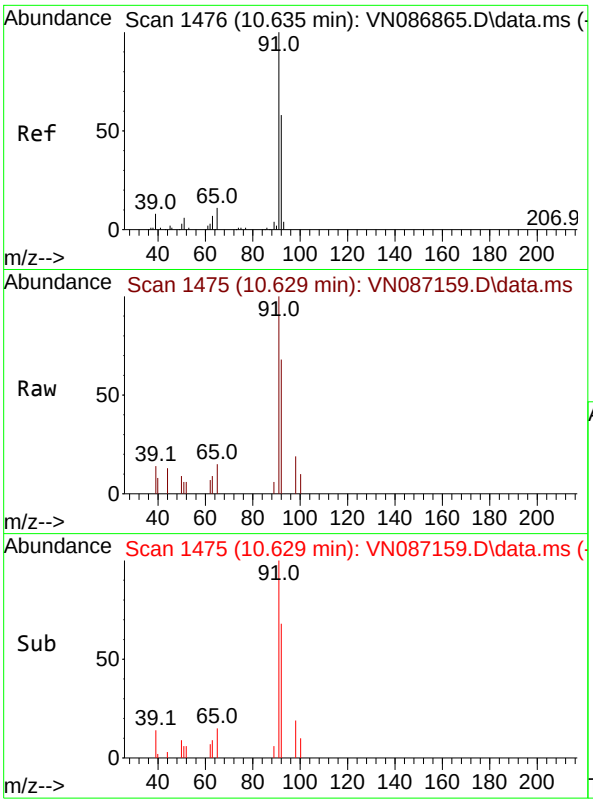


#50
Toluene-d8
Concen: 52.842 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 98 Resp: 479901

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.4	80.0



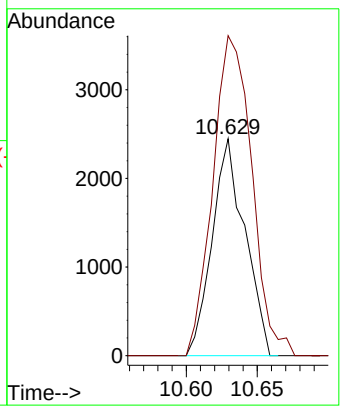


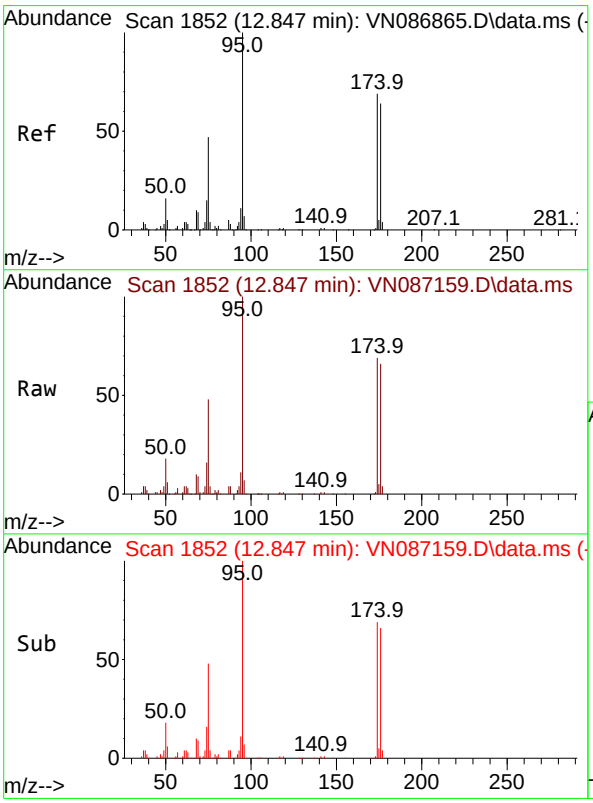
#52
Toluene
Concen: 0.574 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion: 92 Resp: 3923

Ion	Ratio	Lower	Upper
92	100		
91	175.9	136.5	204.7

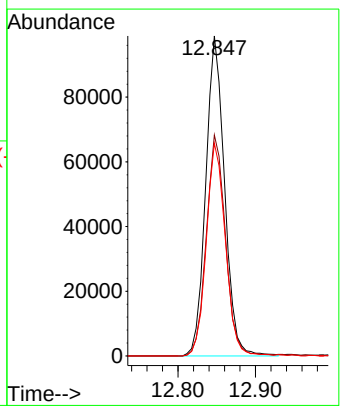




#62
4-Bromofluorobenzene
Concen: 49.425 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

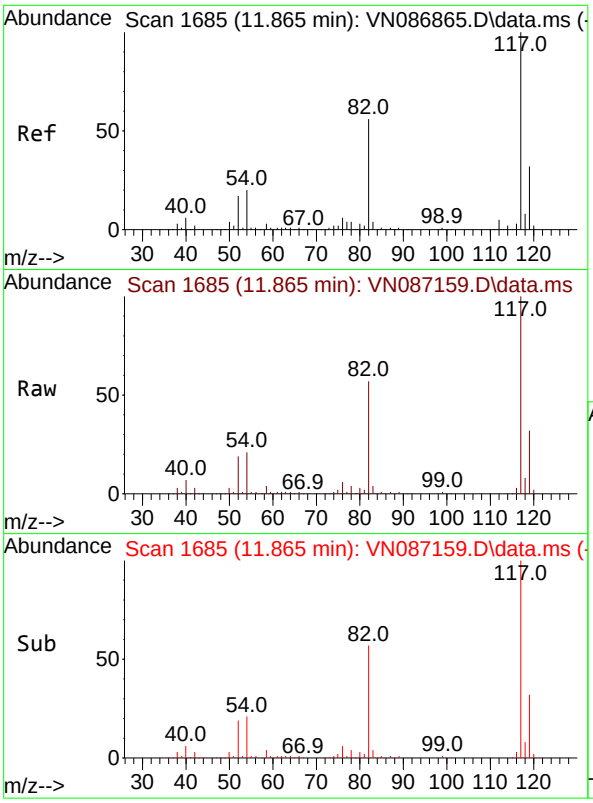
Tgt Ion: 95 Resp: 166768

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.8
176	67.5	0.0	132.6



5

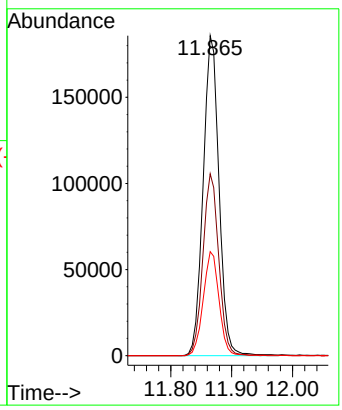
Instrument :
MSVOA_N
ClientSampleId :
OBS1

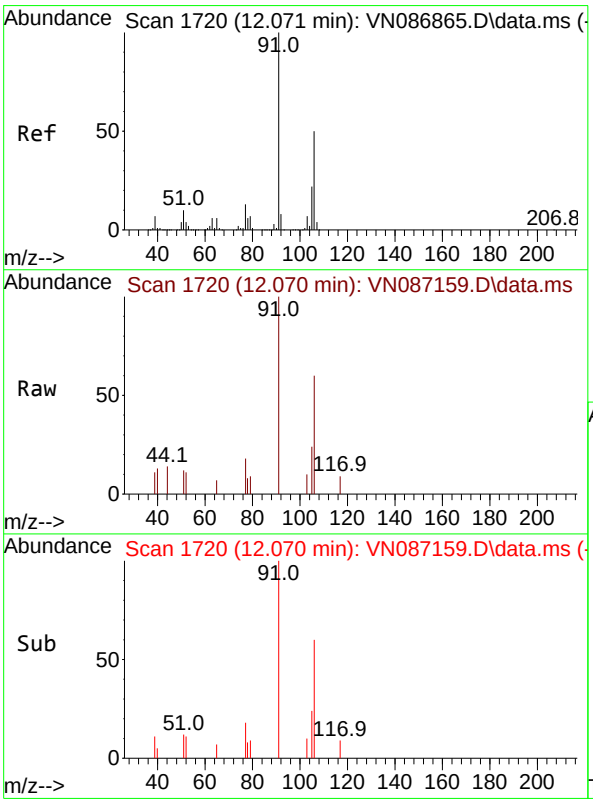


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:117 Resp: 336293

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	32.5	25.5	38.3

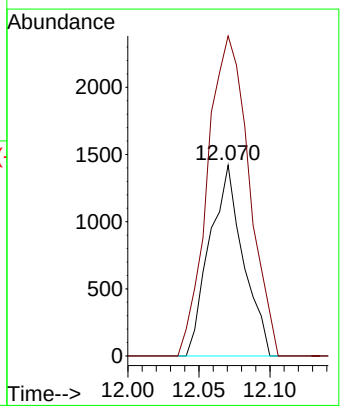


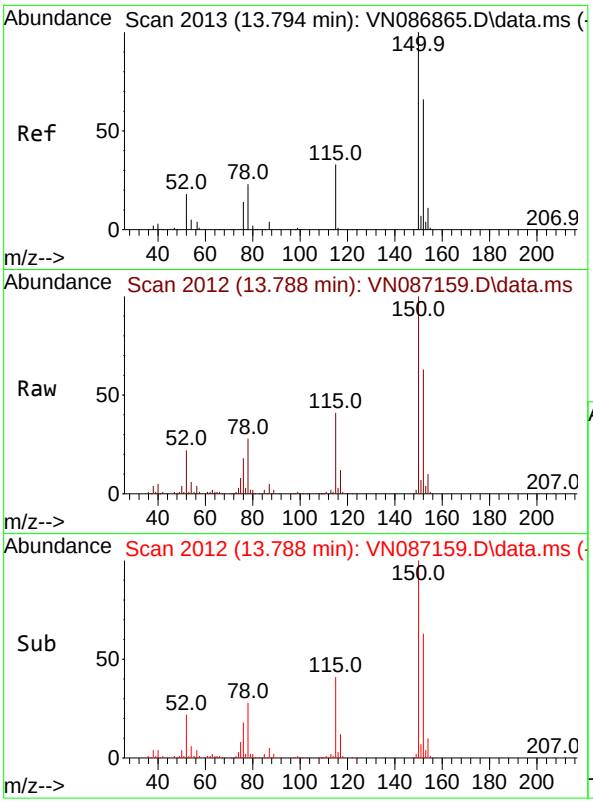


#68
m/p-Xylenes
Concen: 0.478 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:106 Resp: 2339

Ion	Ratio	Lower	Upper
106	100		
91	206.9	159.4	239.0



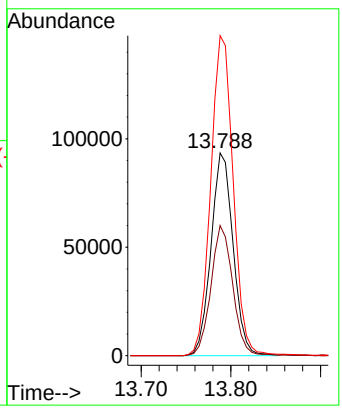


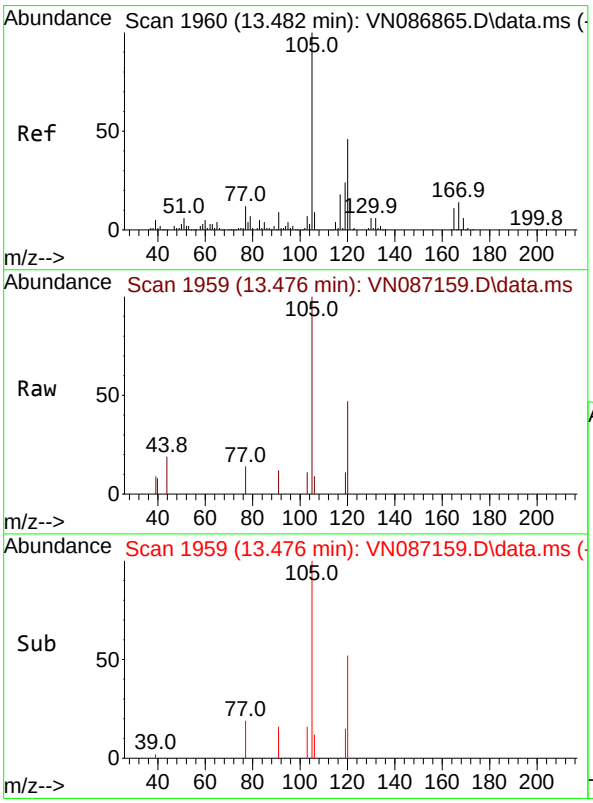
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Tgt Ion:152 Resp: 160118

Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.1	90.5
150	160.5	0.0	345.0

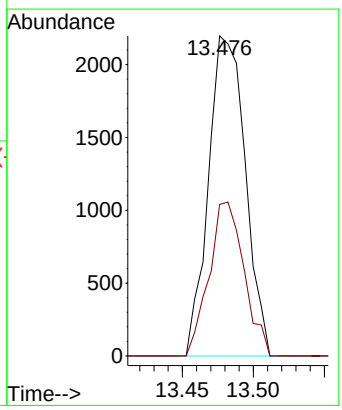




#84
1,2,4-Trimethylbenzene
Concen: 0.410 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:105 Resp: 3960

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087159.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.277	219	225	234	rVB3	5106	12973	1.05%	0.208%
2	8.177	1048	1058	1062	rBV	147751	355107	28.70%	5.691%
3	8.230	1062	1067	1079	rVB	239873	542865	43.88%	8.701%
4	8.588	1118	1128	1142	rVB	176665	425109	34.36%	6.813%
5	9.106	1205	1216	1227	rBV	426476	886396	71.65%	14.206%
6	10.565	1456	1464	1473	rBV	656642	1237191	100.00%	19.828%
7	10.629	1473	1475	1481	rVB	9019	12778	1.03%	0.205%
8	11.865	1677	1685	1699	rBV	563532	1014777	82.02%	16.264%
9	12.847	1844	1852	1865	rBV	436746	749618	60.59%	12.014%
10	13.788	2004	2012	2023	rBV	573081	984913	79.61%	15.785%
11	14.000	2042	2048	2057	rVB5	7336	17739	1.43%	0.284%

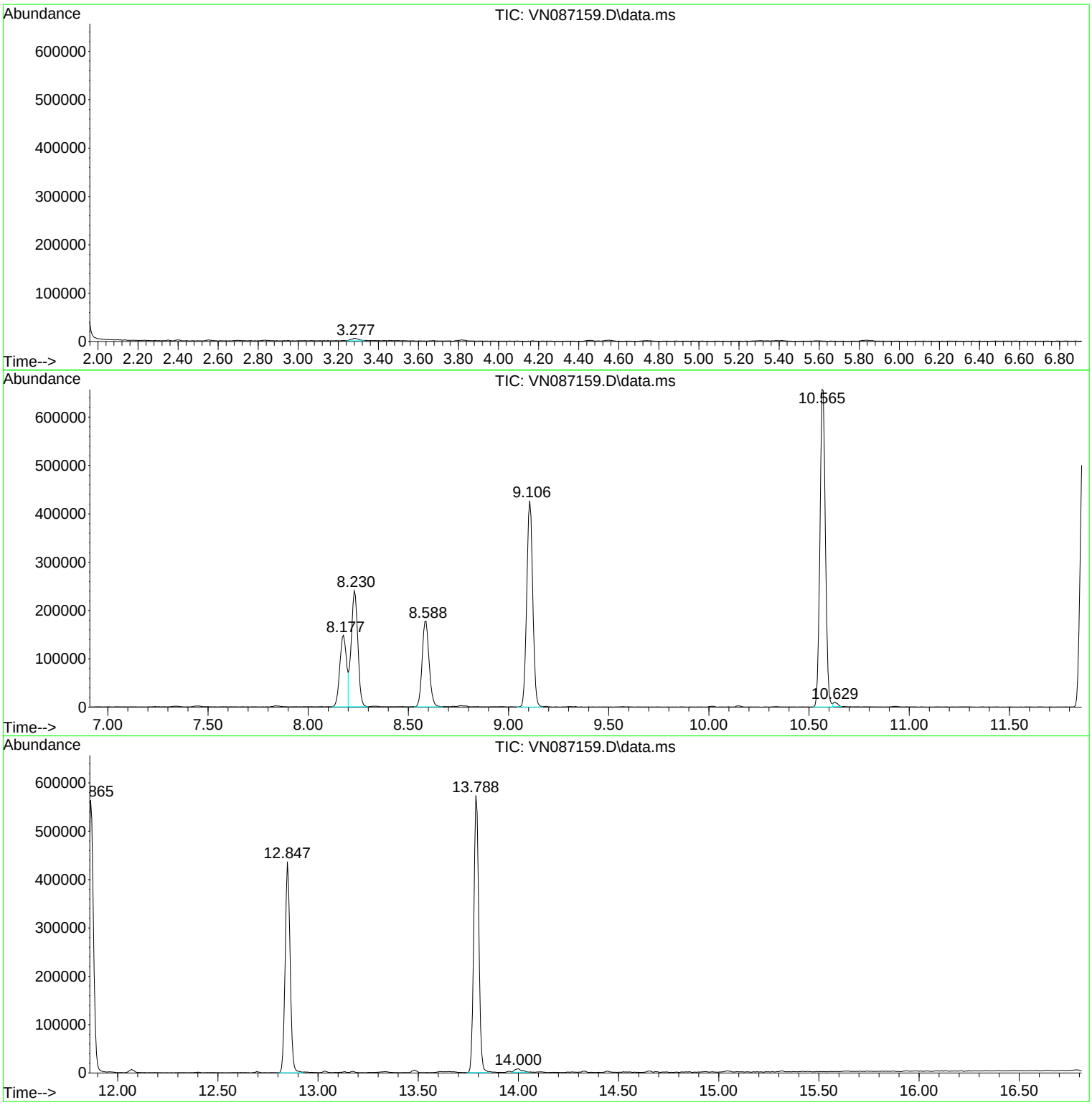
Sum of corrected areas: 6239466

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Time: Jun 25 04:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	149121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	112496	56.345	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.680%			
35) Dibromofluoromethane	8.171	113	90627	53.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	10.565	98	357644	52.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.847	95	131459	52.390	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.780%			

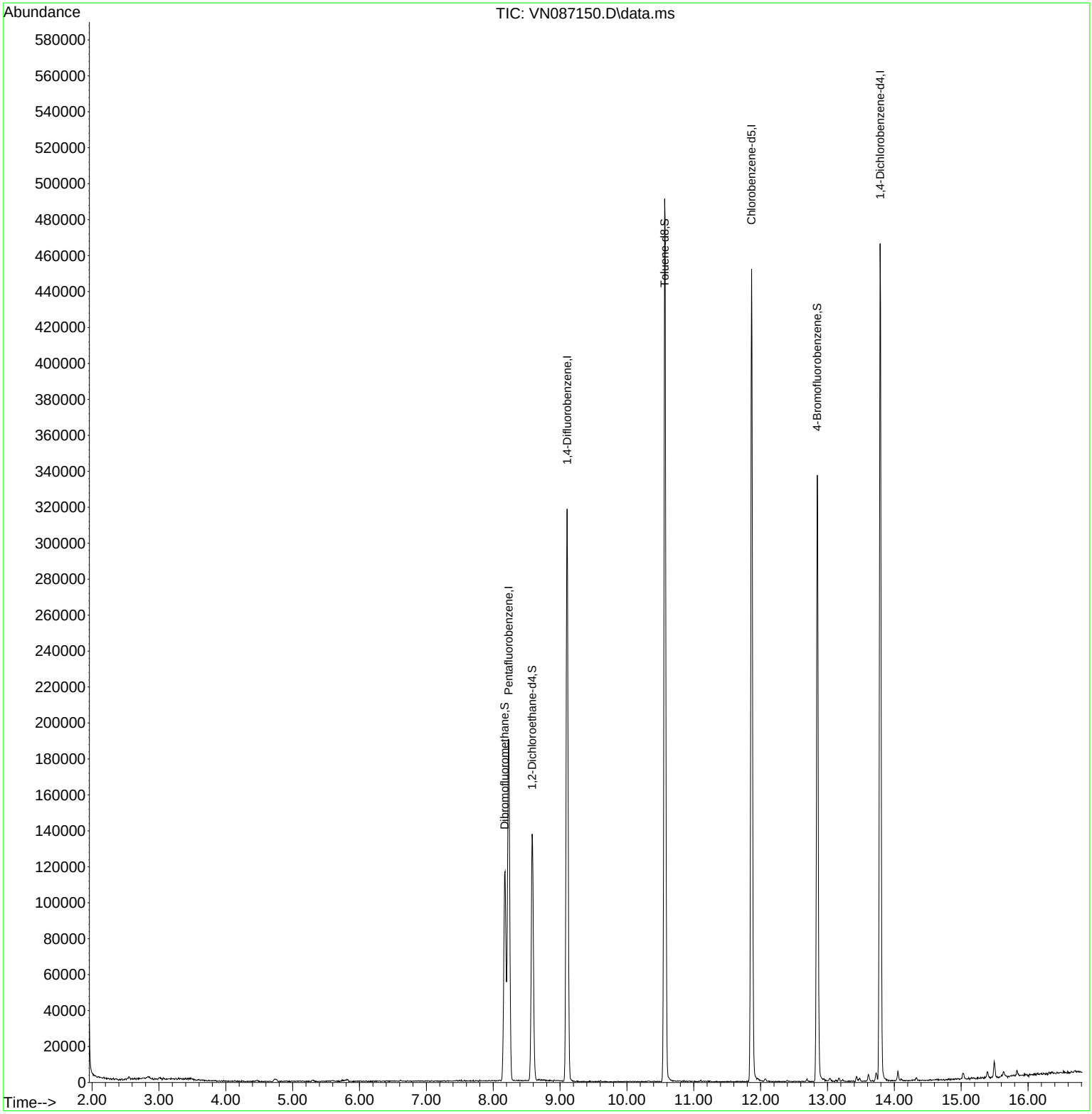
Target Compounds Qvalue

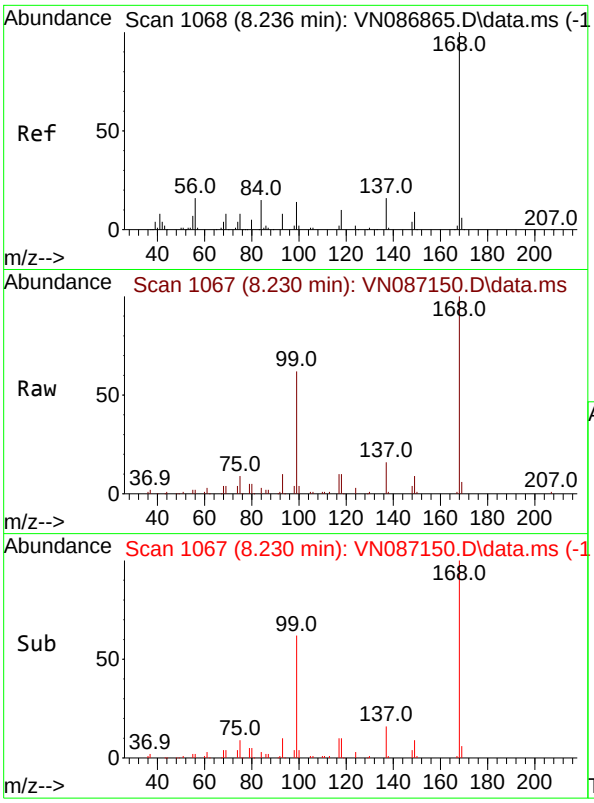
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Time: Jun 25 04:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



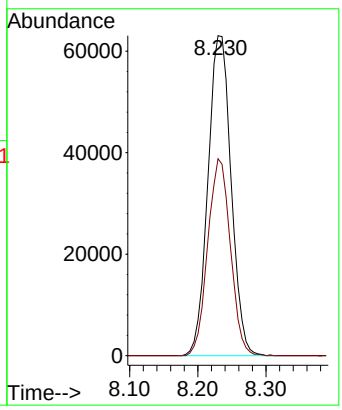


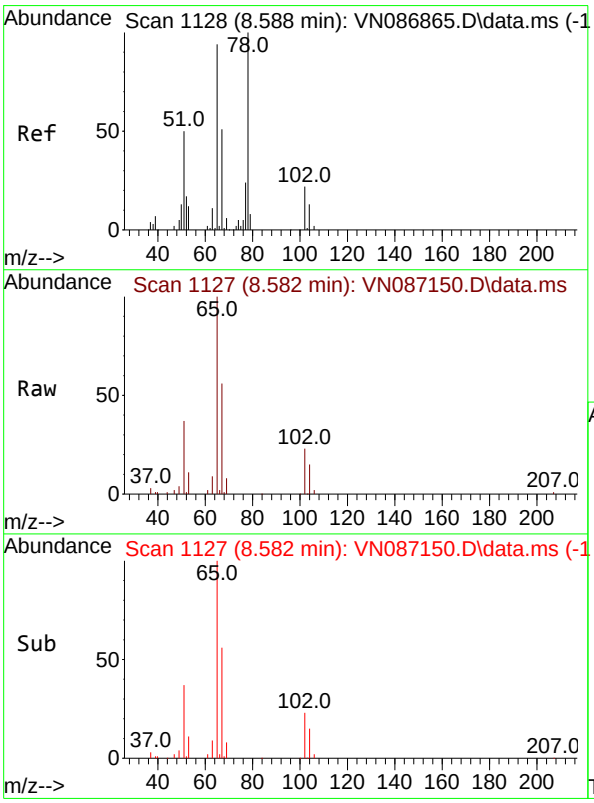
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:168 Resp: 149121

Ion	Ratio	Lower	Upper
168	100		
99	61.6	49.1	73.7

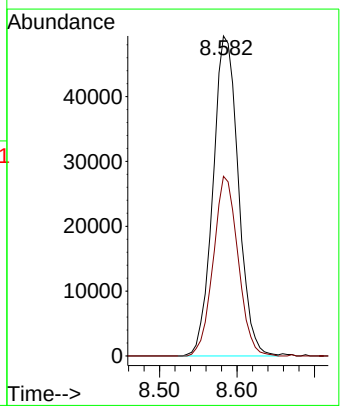


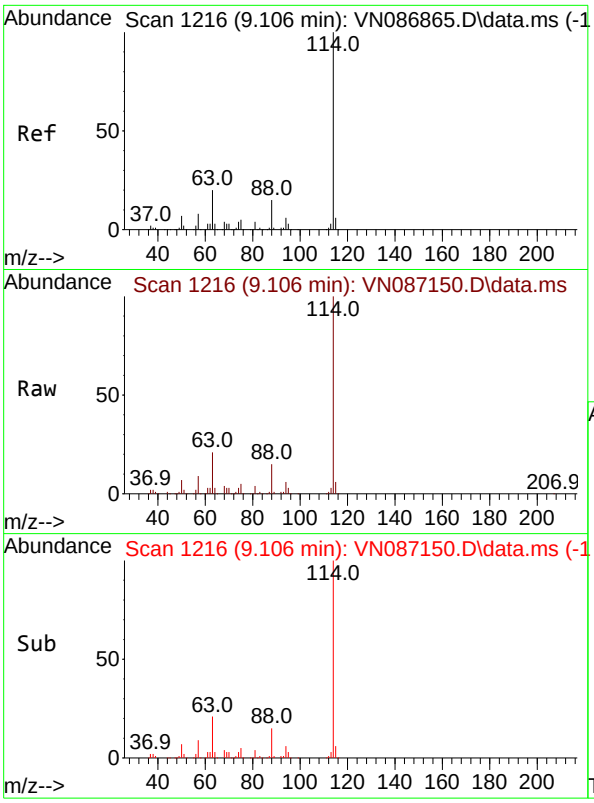


#33
1,2-Dichloroethane-d4
Concen: 56.345 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion: 65 Resp: 112496

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.6



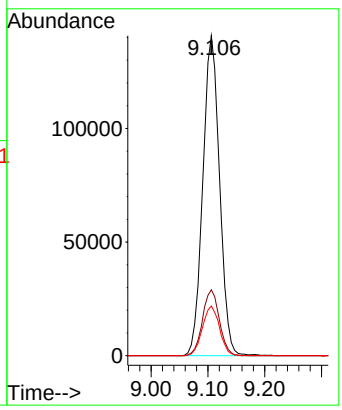


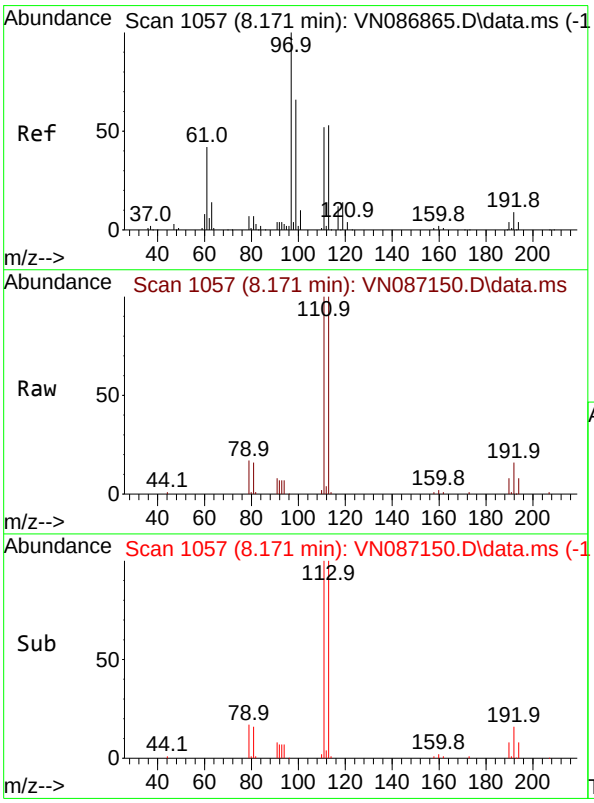
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:114 Resp: 287883

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.5	0.0	30.2

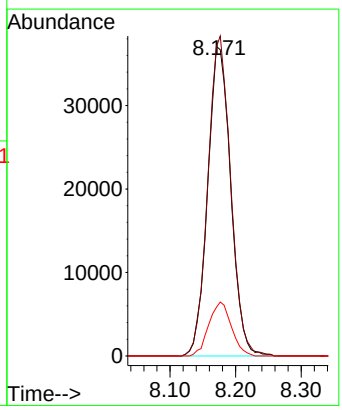


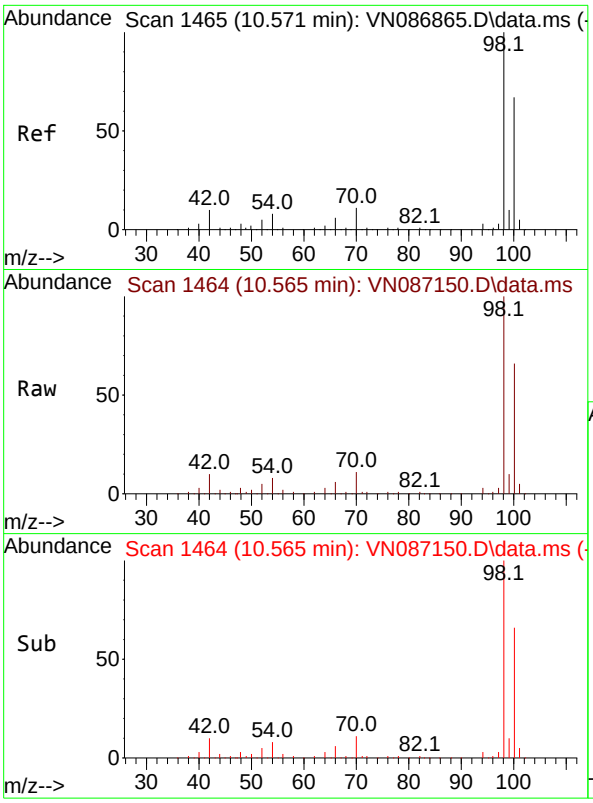


#35
Dibromofluoromethane
Concen: 53.121 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion:113 Resp: 90627

Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.2
192	17.1	14.2	21.4



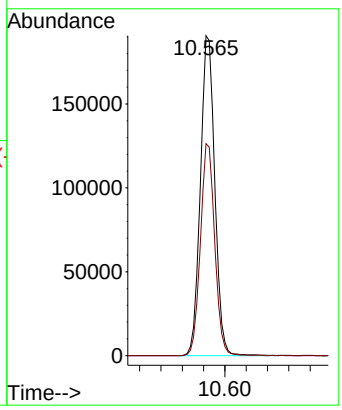


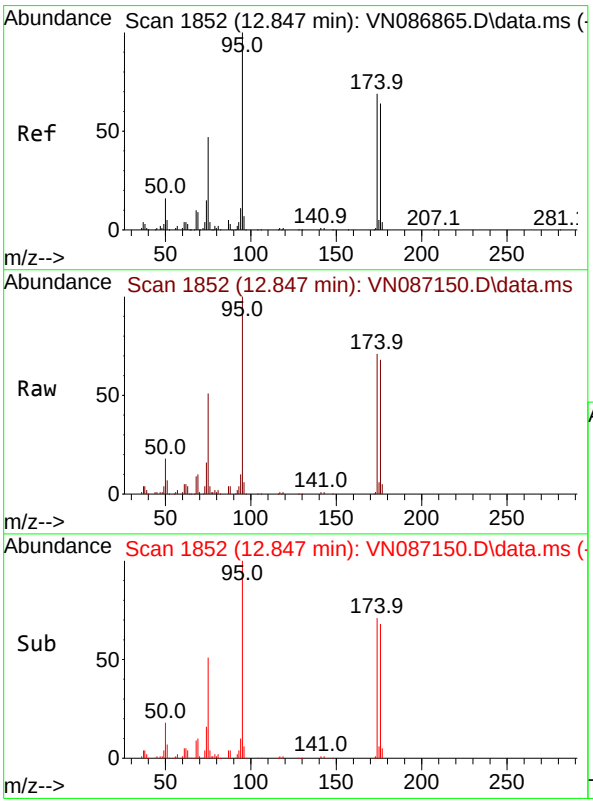
#50
Toluene-d8
Concen: 52.954 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion: 98 Resp: 357644

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.0

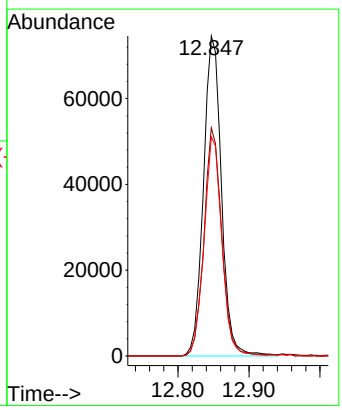


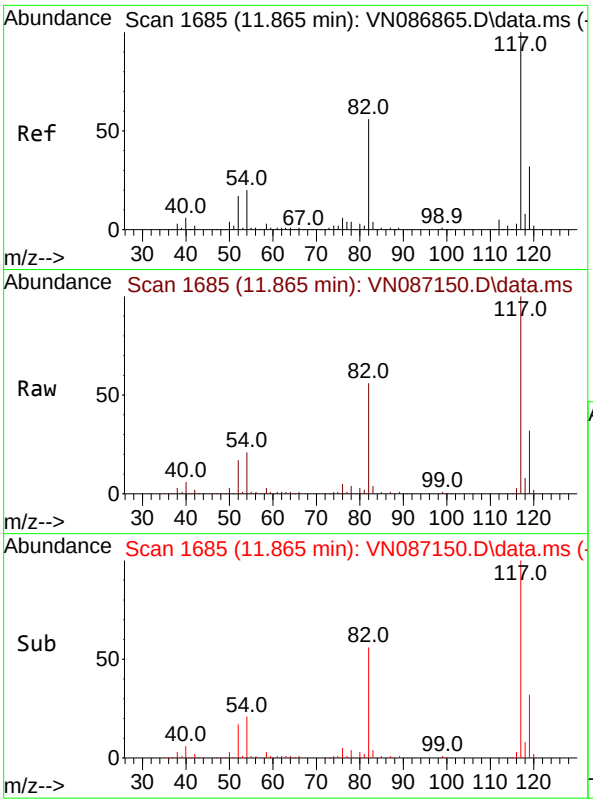


#62
4-Bromofluorobenzene
Concen: 52.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion: 95 Resp: 131459

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.8
176	67.7	0.0	132.6



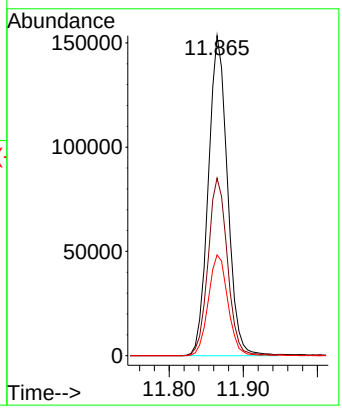


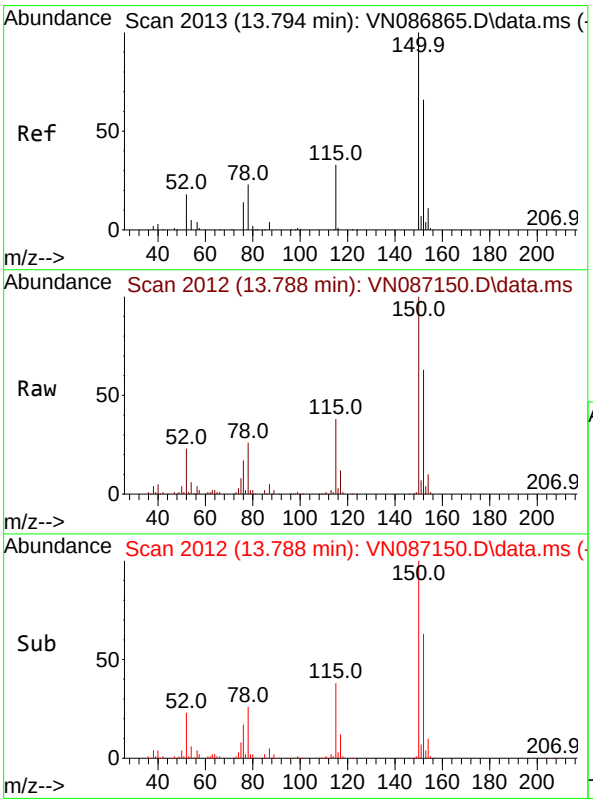
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:117 Resp: 275522

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	67.0
119	31.5	25.5	38.3

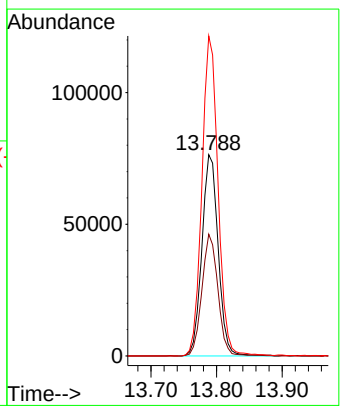




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion:152 Resp: 132163

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.5
150	157.5	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087150.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV2	116437	279335	30.39%	5.810%
2	8.230	1062	1067	1080	rVB	189983	442495	48.14%	9.204%
3	8.582	1117	1127	1139	rBV	137269	310878	33.82%	6.466%
4	9.106	1205	1216	1231	rVB	318570	651800	70.90%	13.557%
5	10.565	1456	1464	1479	rBV	491315	919260	100.00%	19.120%
6	11.865	1677	1685	1698	rBV	451989	817506	88.93%	17.004%
7	12.847	1843	1852	1866	rBV	337517	585477	63.69%	12.178%
8	13.788	2005	2012	2025	rVV	465303	787212	85.64%	16.374%
9	15.494	2297	2302	2308	rBV5	9055	13780	1.50%	0.287%

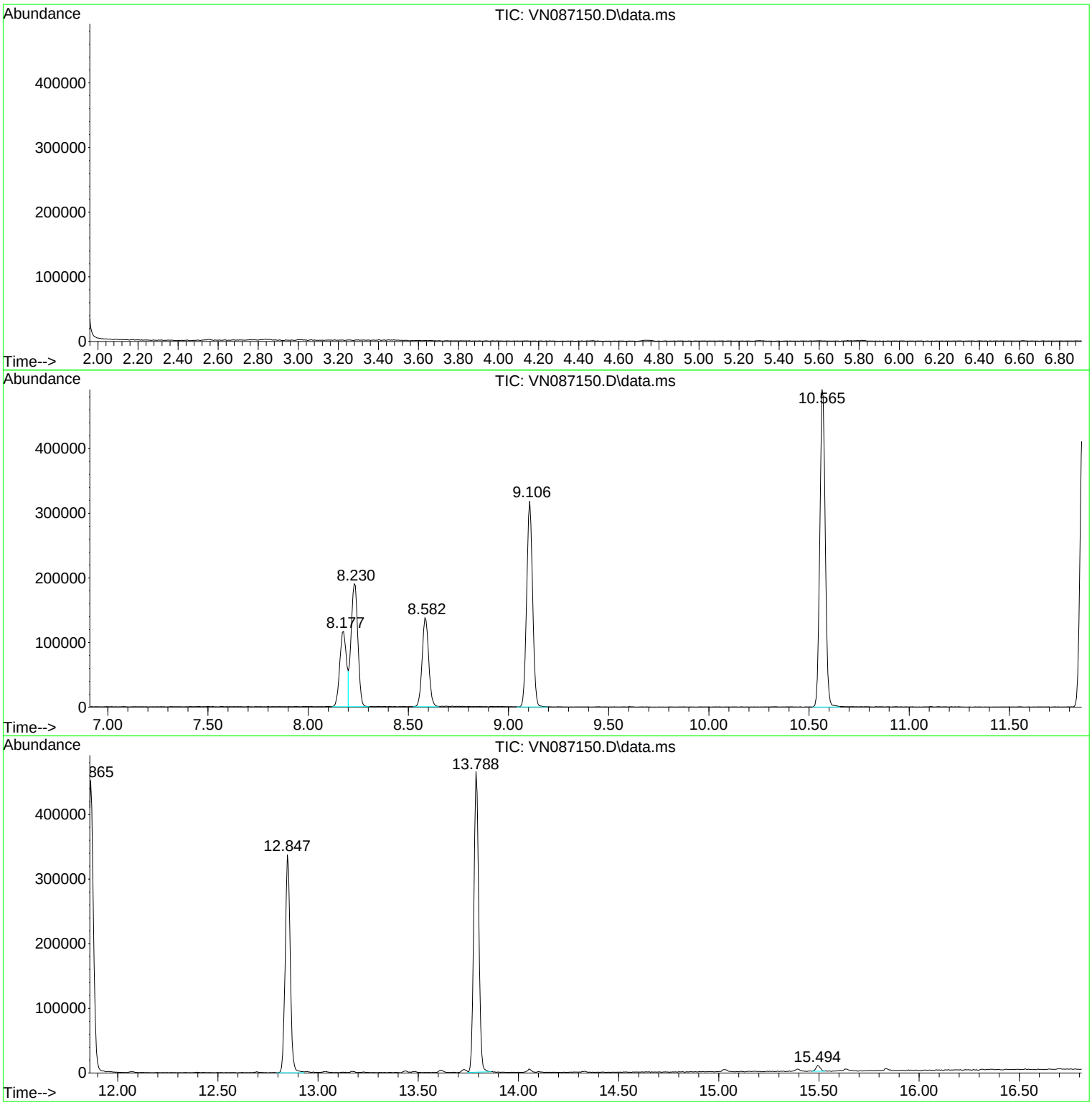
Sum of corrected areas: 4807743

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	160941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	113184	52.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.060%			
35) Dibromofluoromethane	8.171	113	90211	51.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	10.571	98	326329	47.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.300%			
62) 4-Bromofluorobenzene	12.847	95	135288	52.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	31661	19.730	ug/l	98
3) Chloromethane	2.401	50	36392	17.562	ug/l	97
4) Vinyl Chloride	2.554	62	41560	19.443	ug/l	99
5) Bromomethane	2.995	94	20133	16.831	ug/l	100
6) Chloroethane	3.159	64	21013	15.219	ug/l	100
7) Trichlorofluoromethane	3.524	101	46896	16.792	ug/l	100
8) Diethyl Ether	3.989	74	23519	19.328	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	36085	20.566	ug/l	99
10) Methyl Iodide	4.618	142	25405	11.169	ug/l	99
11) Tert butyl alcohol	5.542	59	54983	94.038	ug/l	99
12) 1,1-Dichloroethene	4.371	96	34607	19.319	ug/l	94
13) Acrolein	4.200	56	18468	99.787	ug/l	100
14) Allyl chloride	5.042	41	58416	19.663	ug/l	94
15) Acrylonitrile	5.736	53	133184	97.454	ug/l	99
16) Acetone	4.448	43	112754	98.672	ug/l	94
17) Carbon Disulfide	4.736	76	95894	19.353	ug/l	99
18) Methyl Acetate	5.053	43	63568	19.089	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	128907	19.875	ug/l	96
20) Methylene Chloride	5.300	84	41146	19.233	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	39638	19.889	ug/l	95
22) Diisopropyl ether	6.689	45	130247	20.799	ug/l	97
23) Vinyl Acetate	6.618	43	564929	106.774	ug/l	99
24) 1,1-Dichloroethane	6.583	63	75573	20.971	ug/l	98
25) 2-Butanone	7.494	43	183518	98.801	ug/l	97
26) 2,2-Dichloropropane	7.500	77	63276	22.572	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	48958	20.540	ug/l	99
28) Bromochloromethane	7.824	49	37026	20.896	ug/l	93
29) Tetrahydrofuran	7.853	42	118013	97.531	ug/l	95
30) Chloroform	7.977	83	70126	19.485	ug/l	100
31) Cyclohexane	8.265	56	59419	17.002	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	59802	19.537	ug/l	97
36) 1,1-Dichloropropene	8.383	75	47297	18.154	ug/l	99
37) Ethyl Acetate	7.571	43	69677	21.009	ug/l	97
38) Carbon Tetrachloride	8.371	117	48206	18.847	ug/l	90
39) Methylcyclohexane	9.606	83	52734	14.774	ug/l	97
40) Benzene	8.612	78	153012	17.961	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	37255	20.002	ug/l		97
42) 1,2-Dichloroethane	8.677	62	51594	19.967	ug/l		96
43) Isopropyl Acetate	8.694	43	97712	18.357	ug/l		98
44) Trichloroethene	9.359	130	36977	18.305	ug/l		98
45) 1,2-Dichloropropane	9.624	63	36748	17.730	ug/l		96
46) Dibromomethane	9.712	93	26638	19.350	ug/l		99
47) Bromodichloromethane	9.894	83	55084	19.447	ug/l	#	98
48) Methyl methacrylate	9.682	41	43513	17.760	ug/l		93
49) 1,4-Dioxane	9.700	88	14048	315.185	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	306204	95.555	ug/l		95
52) Toluene	10.630	92	96477	18.531	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	62008	19.578	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	62613	18.476	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	38892	19.414	ug/l		99
56) Ethyl methacrylate	10.888	69	54557	17.098	ug/l		93
57) 1,3-Dichloropropane	11.165	76	65889	18.960	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	169369	88.994	ug/l		100
59) 2-Hexanone	11.212	43	175535	85.041	ug/l		97
60) Dibromochloromethane	11.359	129	42257	20.246	ug/l		99
61) 1,2-Dibromoethane	11.471	107	41336	20.131	ug/l		99
64) Tetrachloroethene	11.106	164	29940	16.944	ug/l		97
65) Chlorobenzene	11.888	112	113937	18.503	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	37466	18.928	ug/l		99
67) Ethyl Benzene	11.965	91	192552	18.154	ug/l		99
68) m/p-Xylenes	12.071	106	145367	35.802	ug/l		96
69) o-Xylene	12.394	106	71138	18.293	ug/l		99
70) Styrene	12.412	104	121013	18.186	ug/l		99
71) Bromoform	12.576	173	29095	19.838	ug/l	#	99
73) Isopropylbenzene	12.694	105	180172	17.429	ug/l		100
74) N-amyl acetate	12.535	43	60201m	16.666	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	65991	18.844	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	57711m	17.110	ug/l		
77) Bromobenzene	12.976	156	43267	18.251	ug/l		99
78) n-propylbenzene	13.035	91	221715	17.649	ug/l		99
79) 2-Chlorotoluene	13.123	91	134983	17.917	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	147236	17.252	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	25833	17.631	ug/l		92
82) 4-Chlorotoluene	13.218	91	138222	18.132	ug/l		98
83) tert-Butylbenzene	13.435	119	124731	15.966	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	148510	17.353	ug/l		99
85) sec-Butylbenzene	13.612	105	185938	16.389	ug/l		100
86) p-Isopropyltoluene	13.729	119	153187	16.334	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	83655	17.935	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	86481	18.186	ug/l		99
89) n-Butylbenzene	14.053	91	141889	15.620	ug/l		99
90) Hexachloroethane	14.329	117	27839	17.512	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	81149	18.109	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14024	16.745	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	46454	16.234	ug/l		97
94) Hexachlorobutadiene	15.494	225	14841	13.921	ug/l		97
95) Naphthalene	15.635	128	172694	16.214	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	45355	15.953	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

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

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

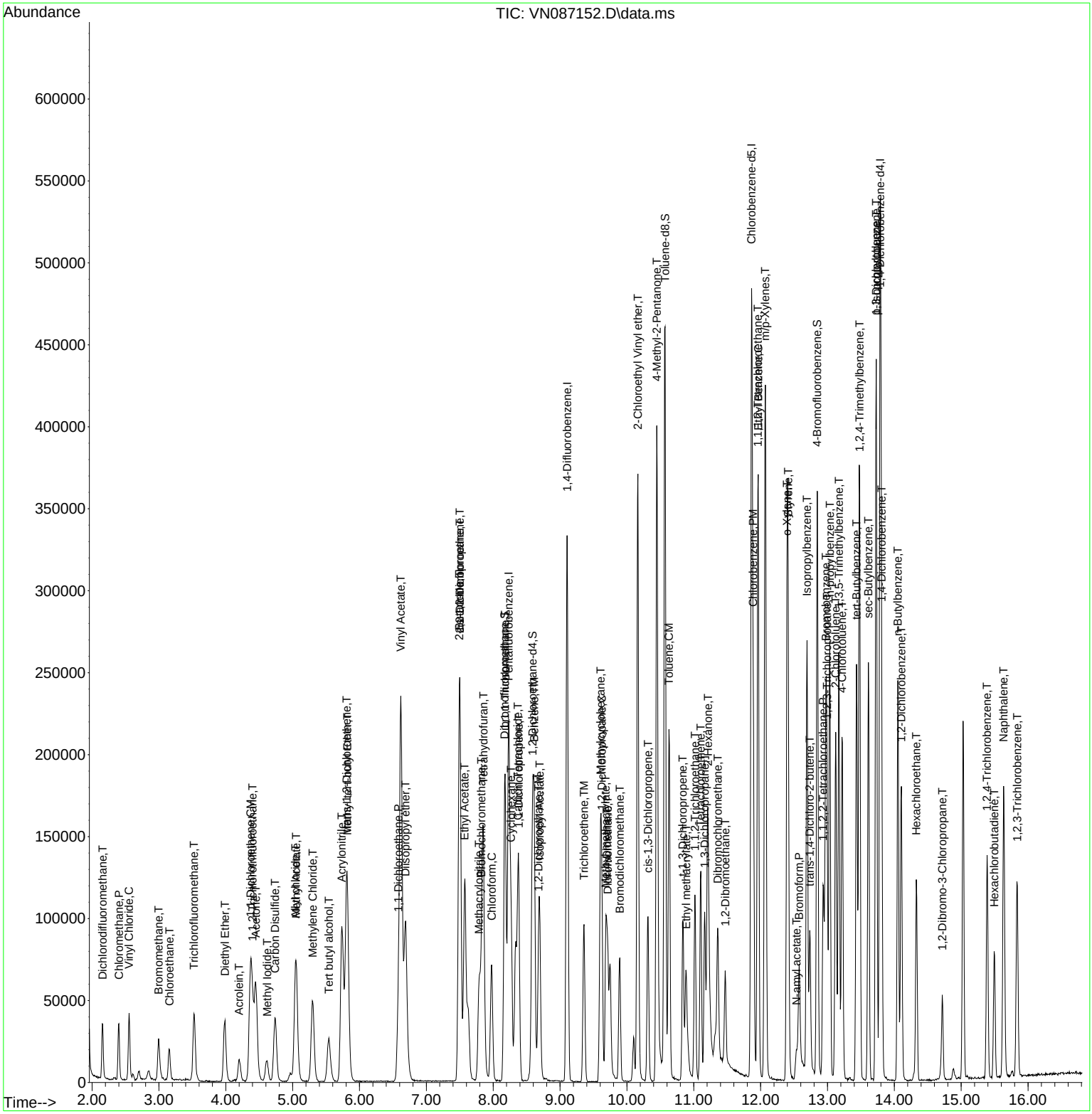
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	148340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	107515	54.134	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.260%			
35) Dibromofluoromethane	8.177	113	85696	54.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	10.565	98	295071	47.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	116960	50.758	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	28367	19.179	ug/l	95
3) Chloromethane	2.401	50	32560	17.048	ug/l	100
4) Vinyl Chloride	2.554	62	33033	16.767	ug/l	96
5) Bromomethane	3.001	94	17543	15.912	ug/l	93
6) Chloroethane	3.153	64	18858	14.818	ug/l	98
7) Trichlorofluoromethane	3.524	101	42432	16.484	ug/l	98
8) Diethyl Ether	3.989	74	22427	19.997	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.395	101	32659	20.194	ug/l	98
10) Methyl Iodide	4.612	142	24125	11.508	ug/l	92
11) Tert butyl alcohol	5.542	59	54359	100.868	ug/l	99
12) 1,1-Dichloroethene	4.365	96	31115	18.845	ug/l	92
13) Acrolein	4.200	56	17641	103.415	ug/l	99
14) Allyl chloride	5.047	41	53865	19.672	ug/l	98
15) Acrylonitrile	5.742	53	132492	105.184	ug/l	99
16) Acetone	4.448	43	109840	104.287	ug/l	99
17) Carbon Disulfide	4.736	76	88064	19.283	ug/l	96
18) Methyl Acetate	5.047	43	63774	20.778	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	124179	20.772	ug/l	99
20) Methylene Chloride	5.300	84	39505	20.034	ug/l	98
21) trans-1,2-Dichloroethene	5.812	96	35542	19.348	ug/l	98
22) Diisopropyl ether	6.683	45	120915	20.949	ug/l	94
23) Vinyl Acetate	6.618	43	536070	109.926	ug/l	96
24) 1,1-Dichloroethane	6.583	63	67455	20.308	ug/l	97
25) 2-Butanone	7.494	43	178544	104.288	ug/l	97
26) 2,2-Dichloropropane	7.500	77	55288	21.398	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	42737	19.453	ug/l	98
28) Bromochloromethane	7.824	49	35644	21.825	ug/l	96
29) Tetrahydrofuran	7.847	42	117925	105.737	ug/l	96
30) Chloroform	7.977	83	67064	20.217	ug/l	92
31) Cyclohexane	8.265	56	59224	18.385	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	53557	18.983	ug/l	97
36) 1,1-Dichloropropene	8.377	75	44260	18.959	ug/l	99
37) Ethyl Acetate	7.571	43	64859	21.825	ug/l	99
38) Carbon Tetrachloride	8.371	117	43545	18.999	ug/l	98
39) Methylcyclohexane	9.606	83	49889	15.598	ug/l	98
40) Benzene	8.612	78	147066	19.265	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	36475	21.854	ug/l		98
42) 1,2-Dichloroethane	8.677	62	50665	21.881	ug/l		97
43) Isopropyl Acetate	8.694	43	102822	21.557	ug/l		98
44) Trichloroethene	9.353	130	32721	18.077	ug/l		95
45) 1,2-Dichloropropane	9.624	63	38019	20.471	ug/l		95
46) Dibromomethane	9.712	93	26115	21.170	ug/l		97
47) Bromodichloromethane	9.894	83	52674	20.753	ug/l		97
48) Methyl methacrylate	9.688	41	44971	20.484	ug/l		94
49) 1,4-Dioxane	9.700	88	14805	370.693	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	313262	109.095	ug/l		95
52) Toluene	10.629	92	90194	19.333	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	58166	20.495	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	60500	19.923	ug/l	#	91
55) 1,1,2-Trichloroethane	11.018	97	36915	20.564	ug/l		97
56) Ethyl methacrylate	10.882	69	56036	19.599	ug/l		96
57) 1,3-Dichloropropane	11.165	76	62026	19.918	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	171844	100.767	ug/l		97
59) 2-Hexanone	11.212	43	169476	91.628	ug/l		97
60) Dibromochloromethane	11.359	129	38191	20.420	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36926	20.069	ug/l		99
64) Tetrachloroethene	11.106	164	25781	17.032	ug/l		95
65) Chlorobenzene	11.894	112	99497	18.861	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	32640	19.248	ug/l		99
67) Ethyl Benzene	11.965	91	166326	18.304	ug/l		99
68) m/p-Xylenes	12.071	106	126557	36.384	ug/l		97
69) o-Xylene	12.400	106	60628	18.199	ug/l		94
70) Styrene	12.412	104	105648	18.533	ug/l		98
71) Bromoform	12.582	173	26348	20.970	ug/l	#	99
73) Isopropylbenzene	12.694	105	154252	17.452	ug/l		99
74) N-amyl acetate	12.541	43	57415m	18.589	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	59548	19.887	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	53186m	18.442	ug/l		
77) Bromobenzene	12.976	156	38703	19.093	ug/l		97
78) n-propylbenzene	13.035	91	188427	17.542	ug/l		98
79) 2-Chlorotoluene	13.123	91	116548	18.093	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	129323	17.722	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	21771	17.377	ug/l		92
82) 4-Chlorotoluene	13.223	91	120113	18.428	ug/l		99
83) tert-Butylbenzene	13.435	119	105870	15.849	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	130125	17.782	ug/l		99
85) sec-Butylbenzene	13.618	105	158007	16.288	ug/l		98
86) p-Isopropyltoluene	13.729	119	129347	16.130	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	72392	18.152	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	75205	18.496	ug/l		98
89) n-Butylbenzene	14.053	91	119771	15.420	ug/l		98
90) Hexachloroethane	14.329	117	23798	17.508	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	70341	18.358	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13444	18.774	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	40872	16.705	ug/l		99
94) Hexachlorobutadiene	15.500	225	12155	13.334	ug/l		96
95) Naphthalene	15.641	128	153772	16.885	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	38759	15.944	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

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

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

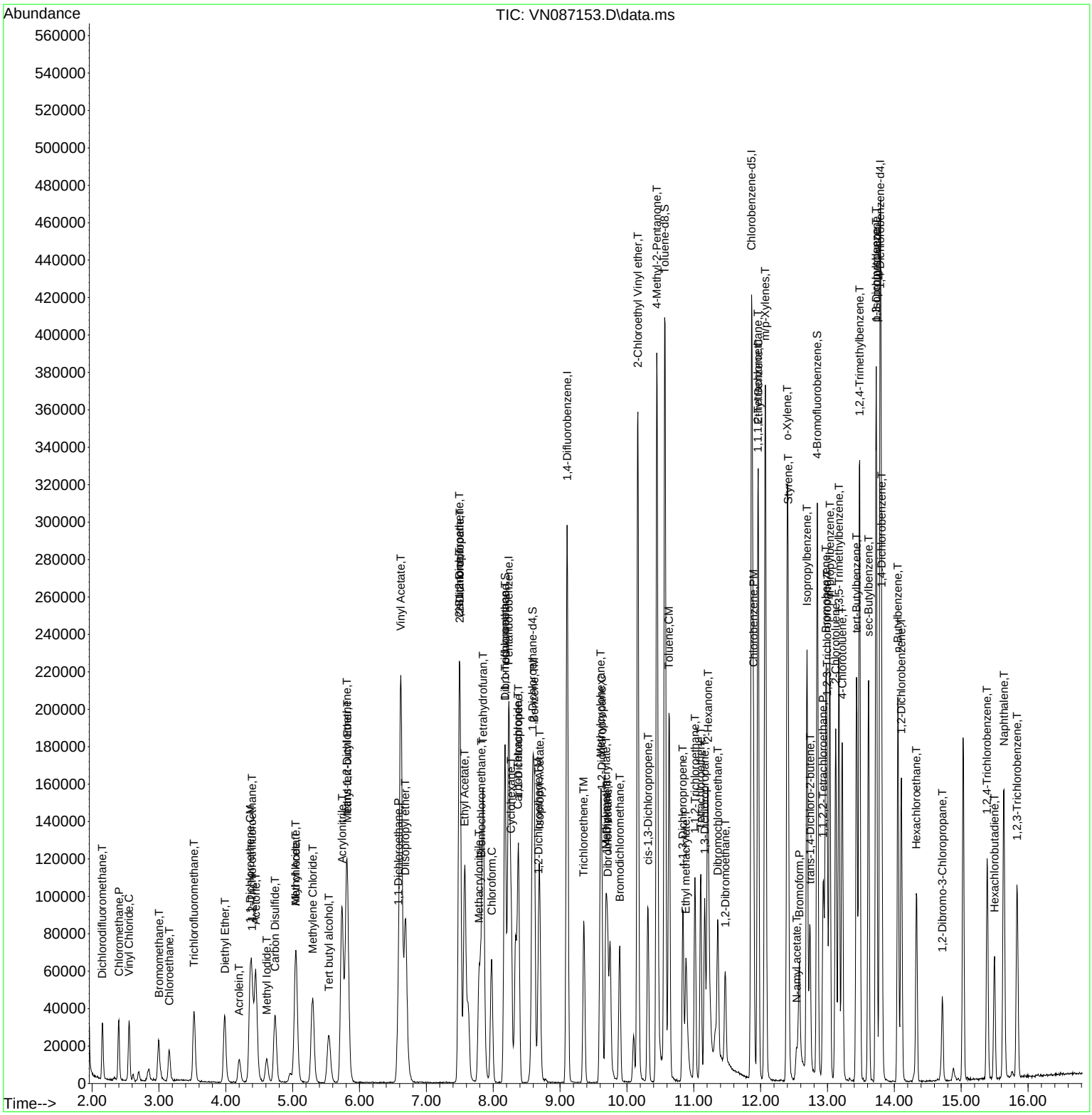
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	vn062425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087149.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:42:45 AM	MMDadoda	6/25/2025 12:33:37 PM	Peak Integrated by Software
VN0624WBS01	VN087152.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:42:55 AM	MMDadoda	6/25/2025 12:33:39 PM	Peak Integrated by Software
VN0624WBS01	VN087152.D	N-amyl acetate	JOHN	6/25/2025 8:42:55 AM	MMDadoda	6/25/2025 12:33:39 PM	Peak Integrated by Software
VN0624WBSD01	VN087153.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:47:01 AM	MMDadoda	6/25/2025 12:33:41 PM	Peak Integrated by Software
VN0624WBSD01	VN087153.D	N-amyl acetate	JOHN	6/25/2025 8:47:01 AM	MMDadoda	6/25/2025 12:33:41 PM	Peak Integrated by Software
VSTDCCC050	VN087160.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:47:10 AM	MMDadoda	6/25/2025 12:33:45 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

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

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

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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062425

Review By	John Carlone	Review On	6/25/2025 8:49:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/25/2025 12:34:10 PM		
SubDirectory	VN062425	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134482
Initial Calibration Stds	
CCC	VP134484,VP134486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087148.D	24 Jun 2025 10:41	JC\MD	Ok
2	VSTDCCC050	VN087149.D	24 Jun 2025 11:14	JC\MD	Ok,M
3	VN0624WBL01	VN087150.D	24 Jun 2025 12:44	JC\MD	Ok
4	VN0624MBL01	VN087151.D	24 Jun 2025 13:06	JC\MD	Not Ok
5	VN0624WBS01	VN087152.D	24 Jun 2025 13:28	JC\MD	Ok,M
6	VN0624WBSD01	VN087153.D	24 Jun 2025 14:01	JC\MD	Ok,M
7	Q2366-02	VN087154.D	24 Jun 2025 14:23	JC\MD	Not Ok
8	Q2366-01	VN087155.D	24 Jun 2025 14:44	JC\MD	Not Ok
9	IBLK	VN087156.D	24 Jun 2025 15:06	JC\MD	Ok
10	IBLK	VN087157.D	24 Jun 2025 15:28	JC\MD	Ok
11	Q2401-01	VN087158.D	24 Jun 2025 15:49	JC\MD	Not Ok
12	Q2402-01	VN087159.D	24 Jun 2025 16:11	JC\MD	Ok
13	VSTDCCC050	VN087160.D	24 Jun 2025 16:32	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

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

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

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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062425

Review By	John Carlone	Review On	6/25/2025 8:49:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/25/2025 12:34:10 PM		
SubDirectory	VN062425	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134482
Initial Calibration Stds	
CCC	VP134484,VP134486
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	VN087148.D	24 Jun 2025 10:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087149.D	24 Jun 2025 11:14	CCC Failed High For Com.#52,67,68,69	JC\MD	Ok,M
3	VN0624WBL01	VN0624WBL01	VN087150.D	24 Jun 2025 12:44		JC\MD	Ok
4	VN0624MBL01	VN0624MBL01	VN087151.D	24 Jun 2025 13:06	Not Required	JC\MD	Not Ok
5	VN0624WBS01	VN0624WBS01	VN087152.D	24 Jun 2025 13:28		JC\MD	Ok,M
6	VN0624WBSD01	VN0624WBSD01	VN087153.D	24 Jun 2025 14:01		JC\MD	Ok,M
7	Q2366-02	250618063-05-Trip blar	VN087154.D	24 Jun 2025 14:23	vial B pH#6.0 TB, 8260	JC\MD	Not Ok
8	Q2366-01	250528063-02-VOA	VN087155.D	24 Jun 2025 14:44	Internal Standard Fail; Surrogate Fail, 8260	JC\MD	Not Ok
9	IBLK	IBLK	VN087156.D	24 Jun 2025 15:06		JC\MD	Ok
10	IBLK	IBLK	VN087157.D	24 Jun 2025 15:28		JC\MD	Ok
11	Q2401-01	MW2	VN087158.D	24 Jun 2025 15:49	vial A pH<2 CCC Failed High	JC\MD	Not Ok
12	Q2402-01	OBS1	VN087159.D	24 Jun 2025 16:11	vial A pH<2	JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN087160.D	24 Jun 2025 16:32		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2402	**OrderDate:**	6/24/2025 8:13:22 AM
Client:	G Environmental	**Project:**	Pit - 2025
Contact:	Gary Landis	**Location:**	--Select--,A42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2402-01	**OBS1**	**Water**			**06/23/25**			**06/23/25**
			VOCMS Group1	8260-Low			06/24/25	

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. Q2402
COC Number 2046404

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: Pit
PROJECT NO.: LOCATION:
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) _____ DAYS*
HARDCOPY (DATA PACKAGE) STANDARD 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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
X EDD FORMAT excel, NJ dep ☐ Other

ANALYSIS
TCL VOA HS + TBA/ETBE

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	OBS1	GW		X	6/23/25	1400	2	X									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/23/25	1. 1435 6-23-25
2.		2.
3.		3.

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

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2402 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 6/24/2025 8:13:22 AM
Project Name : ~~Pit~~ Pit - 2025 YG 07/08/2025
Receive DateTime : 6/23/2025 2:35:00 PM
Purchase Order :

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2402-01	~~OBS1~~ OBS1dl	Water	06/23/2025	14:00	VOCMS Group1		8260-Low		10 d ~~5~~ Bus. Days

Relinguished By : [signature]
Date / Time : 6/24/25 1115

Received By : [signature]
Date / Time : 6/24/25 11:15
Storage Area : VOA Refridgerator Room