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Cover Page

Order ID : Q3098

Project ID : PVSC Monthly 2025

Client : Ardmore Chemical

Lab Sample Number	Client Sample Number
Q3098-01	EFF-WW
Q3098-02	Q3098-01MS
Q3098-03	Q3098-01MSD
Q3098-04	EFF-WW
Q3098-05	Q3098-04MS
Q3098-06	Q3098-04MSD

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: 9/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3098**

	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: **KETAN PATEL** **Date:** **09/18/2025**

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LAB CHRONICLE

OrderID:	Q3098	**OrderDate:**	9/12/2025 3:10:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3098-01	**EFF-WW**	**Water**			**09/12/25**			**09/12/25**
			VOC-PP	624.1			09/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3098

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WW**							
Q3098-01	EFF-WW	Water	Chloroform	21.7	J	2.80	25.0	ug/L
			Total Voc :	21.7				
			Total Concentration:	21.7				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3098

Client: Ardmore Chemical

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3098-01	EFF-WW	1,2-Dichloroethane-d4	30	28.4	95		91	110
		Toluene-d8	30	28.1	94		91	112
		4-Bromofluorobenzene	30	26.9	90		63	112
Q3098-02MS	EFF-WWMS	1,2-Dichloroethane-d4	30	28.1	94		91	110
		Toluene-d8	30	29.1	97		91	112
		4-Bromofluorobenzene	30	30.8	103		63	112
Q3098-03MSD	EFF-WWMSD	1,2-Dichloroethane-d4	30	28.2	94		91	110
		Toluene-d8	30	28.8	96		91	112
		4-Bromofluorobenzene	30	28.9	96		63	112
VN0917WBL01	VN0917WBL01	1,2-Dichloroethane-d4	30	28.8	96		91	110
		Toluene-d8	30	28.9	96		91	112
		4-Bromofluorobenzene	30	26.4	88		63	112
VN0917WBS01	VN0917WBS01	1,2-Dichloroethane-d4	30	30.0	100		91	110
		Toluene-d8	30	29.8	99		91	112
		4-Bromofluorobenzene	30	30.4	101		63	112

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3098 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN087879.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3098-02MS		**Client Sample ID : EFF-WWMS**									
Chloromethane	100	0	72.2	ug/L	72				1	273	
Vinyl Chloride	100	0	69.7	ug/L	70				1	251	
Bromomethane	100	0	66.0	ug/L	66				1	242	
Chloroethane	100	0	66.3	ug/L	66				14	230	
Trichlorofluoromethane	100	0	80.1	ug/L	80				17	181	
1,1-Dichloroethene	100	0	70.1	ug/L	70				1	234	
Acrolein	500	0	570	ug/L	114				40	160	
Acrylonitrile	500	0	450	ug/L	90				40	160	
Methylene Chloride	100	0	84.9	ug/L	85				1	221	
trans-1,2-Dichloroethene	100	0	85.8	ug/L	86				54	156	
1,1-Dichloroethane	100	0	82.5	ug/L	83				59	155	
Carbon Tetrachloride	100	0	87.2	ug/L	87				70	140	
Chloroform	100	22.1	110	ug/L	88				51	138	
1,1,1-Trichloroethane	100	0	89.0	ug/L	89				52	162	
Benzene	100	0	83.0	ug/L	83				37	151	
1,2-Dichloroethane	100	0	84.9	ug/L	85				49	155	
Trichloroethene	100	0	87.3	ug/L	87				70	157	
1,2-Dichloropropane	100	0	85.4	ug/L	85				1	210	
Bromodichloromethane	100	0	88.8	ug/L	89				35	155	
Toluene	100	0	87.2	ug/L	87				47	150	
t-1,3-Dichloropropene	100	0	79.4	ug/L	79				17	183	
cis-1,3-Dichloropropene	100	0	77.1	ug/L	77				1	227	
1,1,2-Trichloroethane	100	0	89.9	ug/L	90				52	150	
2-Chloroethyl vinyl ether	500	0	0	ug/L	0	*			1	305	
Dibromochloromethane	100	0	92.9	ug/L	93				53	149	
Tetrachloroethene	100	0	96.8	ug/L	97				64	148	
Chlorobenzene	100	0	88.7	ug/L	89				37	160	
Ethyl Benzene	100	0	82.7	ug/L	83				37	162	
m/p-Xylenes	200	0	170	ug/L	85				77	116	
o-Xylene	100	0	86.6	ug/L	87				83	113	
Bromoform	100	0	91.4	ug/L	91				45	169	
1,1,2,2-Tetrachloroethane	100	0	94.3	ug/L	94				46	157	
1,3-Dichlorobenzene	100	0	89.4	ug/L	89				59	156	
1,4-Dichlorobenzene	100	0	92.0	ug/L	92				18	190	
1,2-Dichlorobenzene	100	0	95.3	ug/L	95				18	190	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3098 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN087880.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3098-03MSD		**Client Sample ID : EFF-WWMSD**									
Chloromethane	100	0	85.9	ug/L	86		17		1	273	20
Vinyl Chloride	100	0	82.8	ug/L	83		17		1	251	20
Bromomethane	100	0	78.3	ug/L	78		17		1	242	20
Chloroethane	100	0	78.6	ug/L	79		17		14	230	20
Trichlorofluoromethane	100	0	94.2	ug/L	94		16		17	181	20
1,1-Dichloroethene	100	0	90.5	ug/L	91		25	*	1	234	20
Acrolein	500	0	670	ug/L	134		16		40	160	20
Acrylonitrile	500	0	500	ug/L	100		11		40	160	20
Methylene Chloride	100	0	97.5	ug/L	98		14		1	221	20
trans-1,2-Dichloroethene	100	0	97.9	ug/L	98		13		54	156	20
1,1-Dichloroethane	100	0	98.9	ug/L	99		18		59	155	20
Carbon Tetrachloride	100	0	100	ug/L	100		14		70	140	20
Chloroform	100	22.1	120	ug/L	98		11		51	138	20
1,1,1-Trichloroethane	100	0	100	ug/L	100		12		52	162	20
Benzene	100	0	94.7	ug/L	95		13		37	151	20
1,2-Dichloroethane	100	0	91.3	ug/L	91		7		49	155	20
Trichloroethene	100	0	100	ug/L	100		14		70	157	20
1,2-Dichloropropane	100	0	92.3	ug/L	92		8		1	210	20
Bromodichloromethane	100	0	98.3	ug/L	98		10		35	155	20
Toluene	100	0	94.7	ug/L	95		8		47	150	20
t-1,3-Dichloropropene	100	0	89.4	ug/L	89		12		17	183	20
cis-1,3-Dichloropropene	100	0	89.4	ug/L	89		15		1	227	20
1,1,2-Trichloroethane	100	0	100	ug/L	100		11		52	150	20
2-Chloroethyl vinyl ether	500	0	0	ug/L	0	*	200	*	1	305	20
Dibromochloromethane	100	0	98.8	ug/L	99		6		53	149	20
Tetrachloroethene	100	0	100	ug/L	100		3		64	148	20
Chlorobenzene	100	0	98.0	ug/L	98		10		37	160	20
Ethyl Benzene	100	0	93.0	ug/L	93		12		37	162	20
m/p-Xylenes	200	0	200	ug/L	100		16		77	116	20
o-Xylene	100	0	96.2	ug/L	96		11		83	113	20
Bromoform	100	0	99.6	ug/L	100		9		45	169	20
1,1,2,2-Tetrachloroethane	100	0	99.5	ug/L	100		5		46	157	20
1,3-Dichlorobenzene	100	0	100	ug/L	100		11		59	156	20
1,4-Dichlorobenzene	100	0	100	ug/L	100		8		18	190	20
1,2-Dichlorobenzene	100	0	100	ug/L	100		5		18	190	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3098 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN087870.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0917WBS01	Chloromethane	20	16.7	ug/L	84			1	205	
	Vinyl Chloride	20	16.9	ug/L	85			5	195	
	Bromomethane	20	15.0	ug/L	75			15	185	
	Chloroethane	20	15.8	ug/L	79			40	160	
	Trichlorofluoromethane	20	18.3	ug/L	92			50	150	
	1,1-Dichloroethene	20	18.2	ug/L	91			50	150	
	Acrolein	100	120	ug/L	120			60	140	
	Acrylonitrile	100	98.6	ug/L	99			60	140	
	Methylene Chloride	20	19.7	ug/L	99			60	140	
	trans-1,2-Dichloroethene	20	20.3	ug/L	102			70	130	
	1,1-Dichloroethane	20	19.8	ug/L	99			70	130	
	Carbon Tetrachloride	20	19.6	ug/L	98			70	130	
	Chloroform	20	20.1	ug/L	101			70	135	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			70	130	
	Benzene	20	18.8	ug/L	94			65	135	
	1,2-Dichloroethane	20	18.6	ug/L	93			70	130	
	Trichloroethene	20	20.2	ug/L	101			65	135	
	1,2-Dichloropropane	20	18.9	ug/L	95			35	165	
	Bromodichloromethane	20	18.8	ug/L	94			65	135	
	Toluene	20	19.6	ug/L	98			70	130	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			50	150	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			25	175	
	1,1,2-Trichloroethane	20	18.9	ug/L	95			70	130	
	2-Chloroethyl vinyl ether	100	83.8	ug/L	84			1	225	
	Dibromochloromethane	20	20.0	ug/L	100			70	135	
	Tetrachloroethene	20	22.6	ug/L	113			70	130	
	Chlorobenzene	20	20.7	ug/L	104			65	135	
	Ethyl Benzene	20	20.2	ug/L	101			60	140	
	m/p-Xylenes	40	40.8	ug/L	102			87	111	
	o-Xylene	20	20.2	ug/L	101			87	111	
	Bromoform	20	20.2	ug/L	101			70	130	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			60	140	
	1,3-Dichlorobenzene	20	21.6	ug/L	108			70	130	
	1,4-Dichlorobenzene	20	21.7	ug/L	109			65	135	
	1,2-Dichlorobenzene	20	21.6	ug/L	108			65	135	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0917WBL01

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q3098

Lab File ID: VN087872.D Lab Sample ID: VN0917WBL01

Date Analyzed: 09/17/2025 Time Analyzed: 12:03

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
VN0917WBS01	VN0917WBS01	VN087870.D	09/17/2025
EFF-WWMS	Q3098-02MS	VN087879.D	09/17/2025
EFF-WWMSD	Q3098-03MSD	VN087880.D	09/17/2025
EFF-WW	Q3098-01	VN087882.D	09/17/2025

COMMENTS:

Raw Data: **VN087713.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG NO.: Q3098
Lab File ID: VN087713.D
BFB Injection Date: 09/04/2025
Instrument ID: MSVOA_N
BFB Injection Time: 10:10
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	23.1
75	30.0 - 60.0% of mass 95	57.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	65.8 (98.3) 1
177	5.0 - 9.0% of mass 176	4.7 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087725.D	09/04/2025	16:23
VSTDICCC020	VSTDICCC020	VN087726.D	09/04/2025	16:44
VSTDICC050	VSTDICC050	VN087727.D	09/04/2025	17:05
VSTDICC100	VSTDICC100	VN087728.D	09/04/2025	17:25
VSTDICC150	VSTDICC150	VN087729.D	09/04/2025	17:46

Raw Data: **VN087868.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG NO.: Q3098
Lab File ID: VN087868.D
BFB Injection Date: 09/17/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:24
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	23
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72.7
175	5.0 - 9.0% of mass 174	4.7 (6.4) 1
176	95.0 - 101.0% of mass 174	70.5 (97) 1
177	5.0 - 9.0% of mass 176	4.2 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087869.D	09/17/2025	09:42
VN0917WBS01	VN0917WBS01	VN087870.D	09/17/2025	10:55
VN0917WBL01	VN0917WBL01	VN087872.D	09/17/2025	12:03
EFF-WWMS	Q3098-02MS	VN087879.D	09/17/2025	14:57
EFF-WWMSD	Q3098-03MSD	VN087880.D	09/17/2025	15:18
EFF-WW	Q3098-01	VN087882.D	09/17/2025	16:00

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q3098

Lab File ID: VN087869.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:42

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	52147	7.79	281875	9.08	258937	11.84
UPPER LIMIT	104294	8.294	563750	9.583	517874	12.341
LOWER LIMIT	26073.5	7.294	140938	8.583	129469	11.341
EPA SAMPLE NO.						
EFF-WW	49561	7.80	241644	9.08	220656	11.85
EFF-WWMS	45524	7.80	232070	9.08	208954	11.85
EFF-WWMSD	50263	7.79	267467	9.08	245997	11.85
VN0917WBL01	50672	7.80	260263	9.08	234698	11.85
VN0917WBS01	53476	7.79	296032	9.08	268776	11.85

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q3098

Lab File ID: VN087869.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:42

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

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
EFF-WW	0	0.00				
EFF-WWMS	0	0.00				
EFF-WWMSD	0	0.00				
VN0917WBL01	0	0.00				
VN0917WBS01	0	0.00				

IS4 =

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.**

SAMPLE DATA

Raw Data: **VN087882.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	09/12/25
Project:	PVSC Monthly 2025	Date Received:	09/12/25
Client Sample ID:	EFF-WW	SDG No.:	Q3098
Lab Sample ID:	Q3098-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087882.D	5	09/17/25 16:00	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	3.20	U	3.20	25.0	ug/L
75-01-4	Vinyl Chloride	4.20	U	4.20	25.0	ug/L
74-83-9	Bromomethane	4.00	U	4.00	25.0	ug/L
75-00-3	Chloroethane	11.6	U	11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	U	3.80	25.0	ug/L
107-02-8	Acrolein	33.1	U	33.1	130	ug/L
107-13-1	Acrylonitrile	14.0	U	14.0	130	ug/L
75-09-2	Methylene Chloride	4.30	U	4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.10	U	4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	3.40	U	3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	3.70	U	3.70	25.0	ug/L
67-66-3	Chloroform	21.7	J	2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	25.0	ug/L
71-43-2	Benzene	2.30	U	2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	2.50	U	2.50	25.0	ug/L
79-01-6	Trichloroethene	2.50	U	2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	2.30	U	2.30	25.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	25.0	ug/L
108-88-3	Toluene	2.30	U	2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.60	U	3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.40	U	3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	3.30	U	3.30	25.0	ug/L
127-18-4	Tetrachloroethene	4.20	U	4.20	25.0	ug/L
108-90-7	Chlorobenzene	2.40	U	2.40	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	U	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	U	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	U	3.40	25.0	ug/L

Raw Data: **VN087882.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:	09/12/25	
Project:	PVSC Monthly 2025		Date Received:	09/12/25	
Client Sample ID:	EFF-WW		SDG No.:	Q3098	
Lab Sample ID:	Q3098-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087882.D	5	09/17/25 16:00	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	4.70	U	4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.10	U	4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.5		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	28.1		91 - 112	94%	SPK: 30
460-00-4	4-Bromofluorobenzene	26.9		63 - 112	90%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	49600	7.8			
540-36-3	1,4-Difluorobenzene	242000	9.083			
3114-55-4	Chlorobenzene-d5	221000	11.847			

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

Sample Results: **VN087882.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087882.D
Acq On : 17 Sep 2025 16:00
Operator : JC\MD
Sample : Q3098-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 18 03:14:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	49561	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	241644	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	220656	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	120465	28.454	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.833%			
60) 4-Bromofluorobenzene	12.829	95	95529	26.925	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.733%			
63) Toluene-d8	10.547	98	288377	28.102	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.667%			
Target Compounds						Qvalue
15) Acetone	4.424	58	48828m	78.844	ug/l	
25) Chloroform	7.953	83	27935	4.337	ug/l	95

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

Sample Results: **VN087882.D**

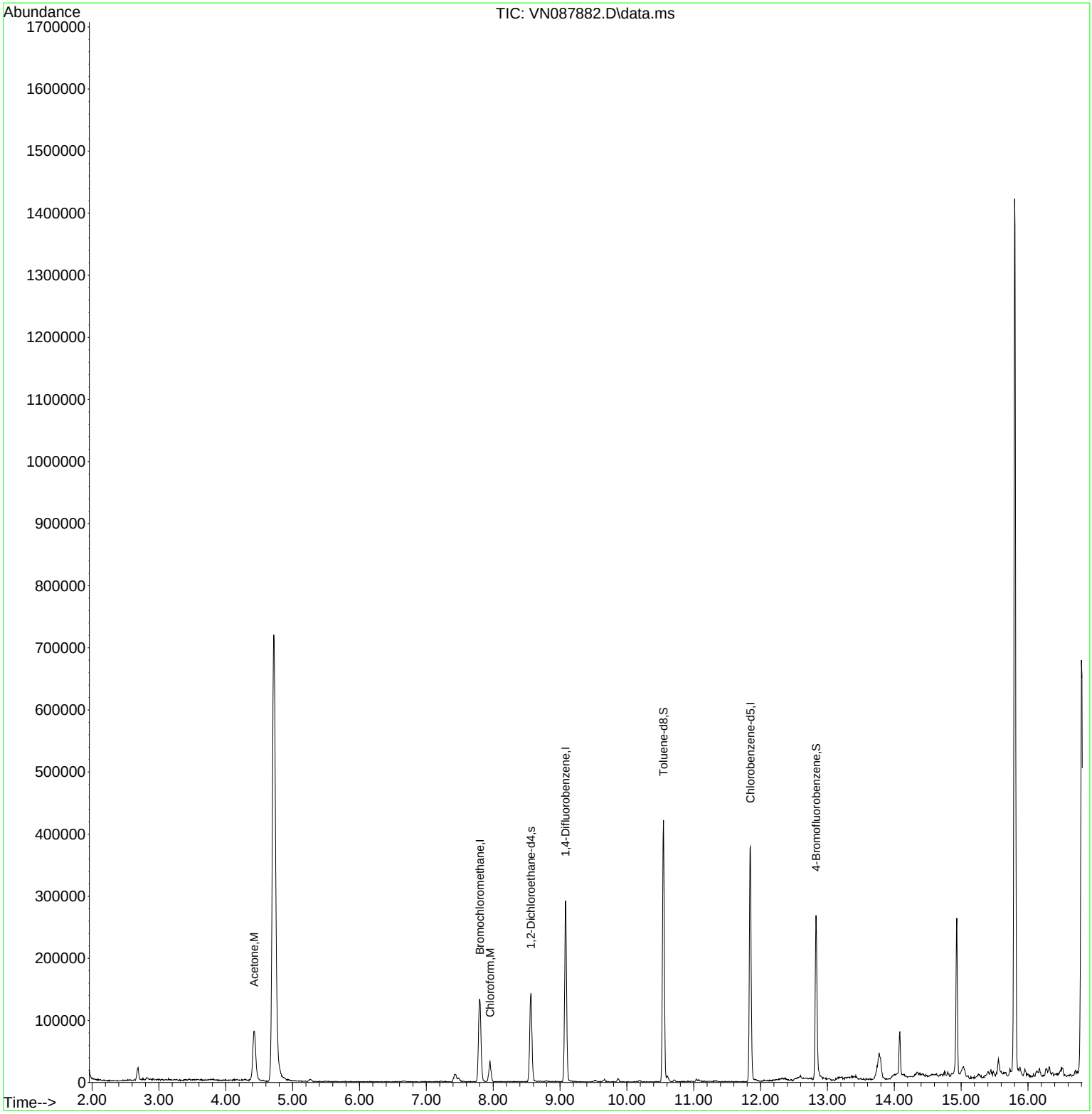
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087882.D
Acq On : 17 Sep 2025 16:00
Operator : JC\MD
Sample : Q3098-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

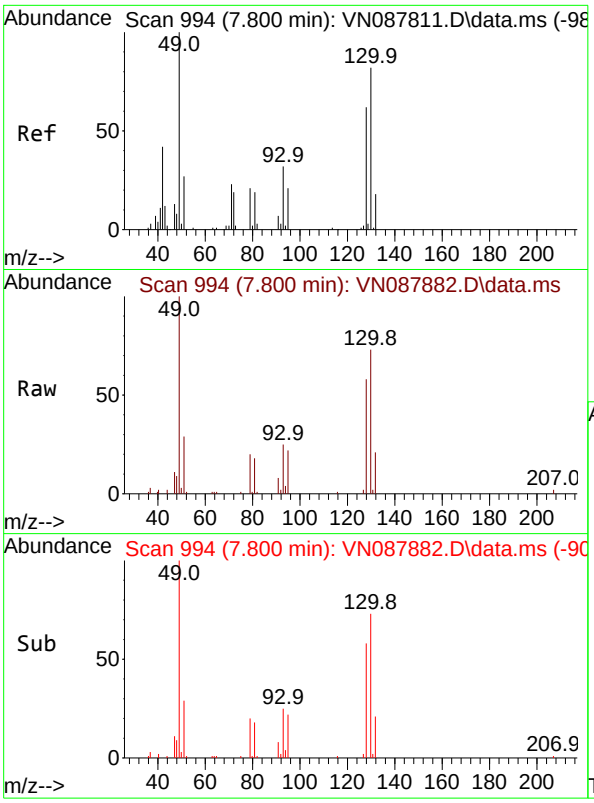
Quant Time: Sep 18 03:14:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

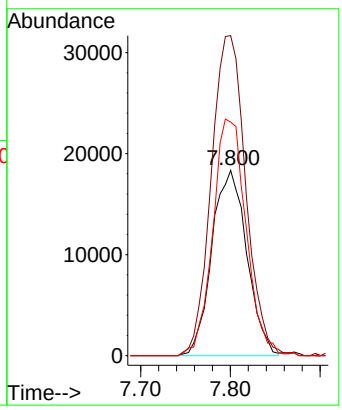




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion:128 Resp: 4956

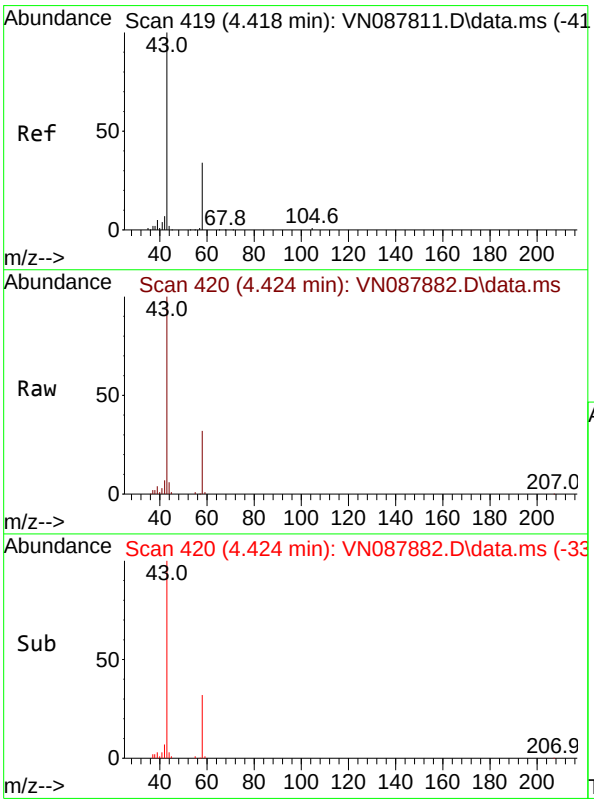
Ion	Ratio	Lower	Upper
128	100		
49	170.1	0.0	464.3
130	121.5	0.0	300.5



Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations
APPROVED

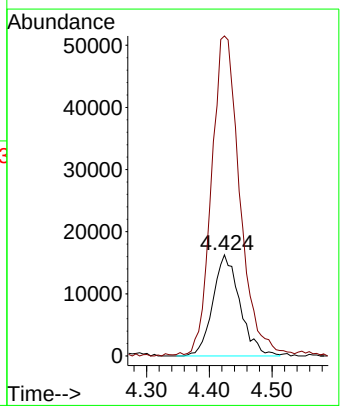
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

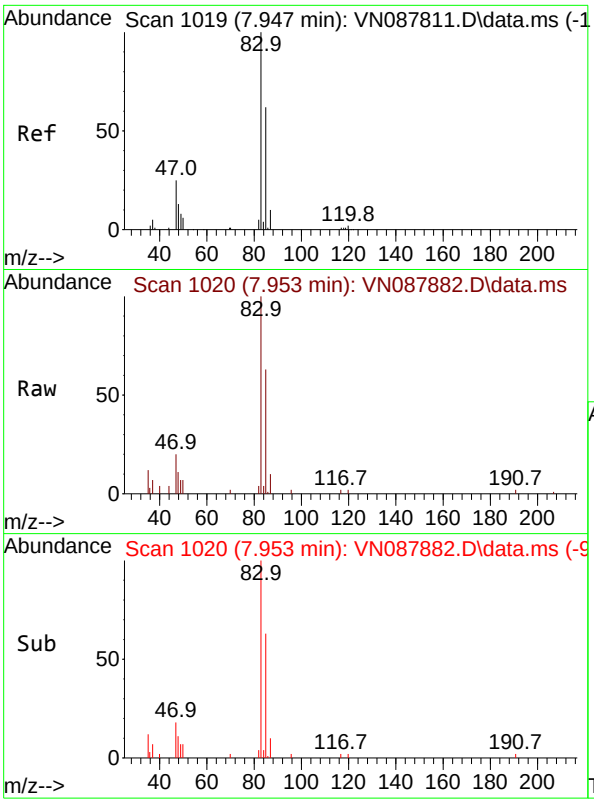


#15
Acetone
Concen: 78.844 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion: 58 Resp: 48828

Ion	Ratio	Lower	Upper
58	100		
43	316.2	250.6	376.0





#25
Chloroform
Concen: 4.337 ug/l
RT: 7.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

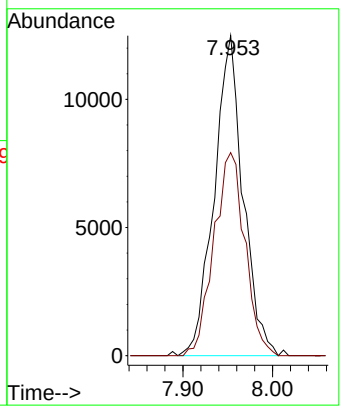
Tgt Ion: 83 Resp: 2793

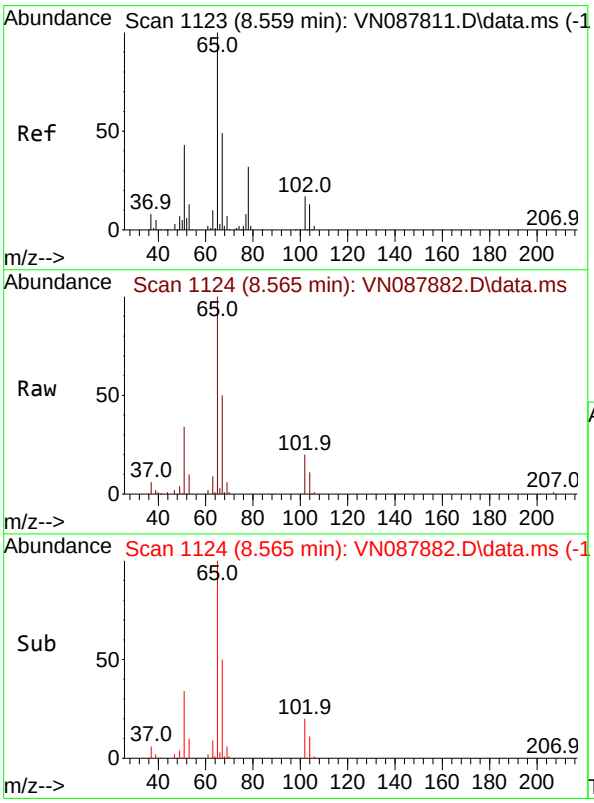
Ion	Ratio	Lower	Upper
83	100		
85	63.5	47.7	71.5

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

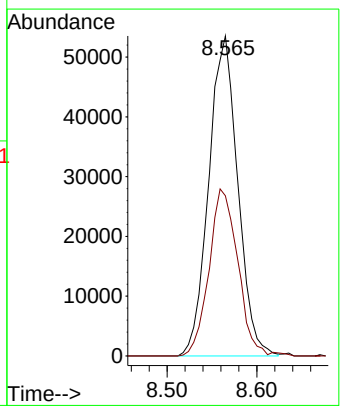


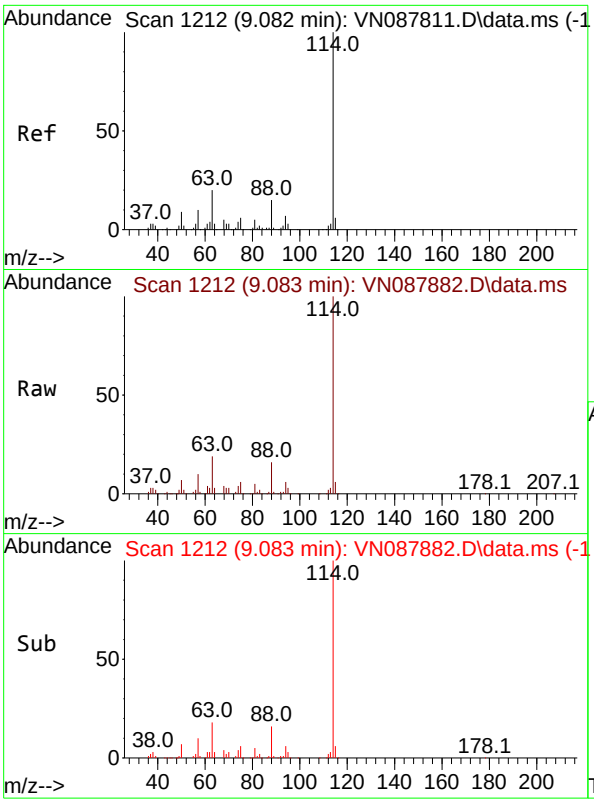


#27
1,2-Dichloroethane-d4
Concen: 28.454 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion: 65 Resp: 120465

Ion	Ratio	Lower	Upper
65	100		
67	51.3	39.6	59.4

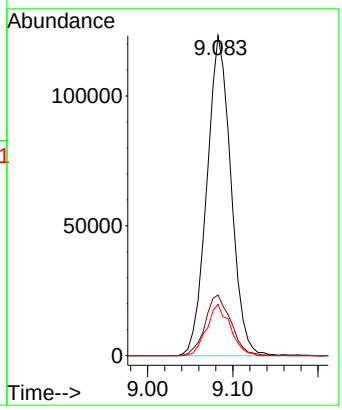




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion:114 Resp: 24164

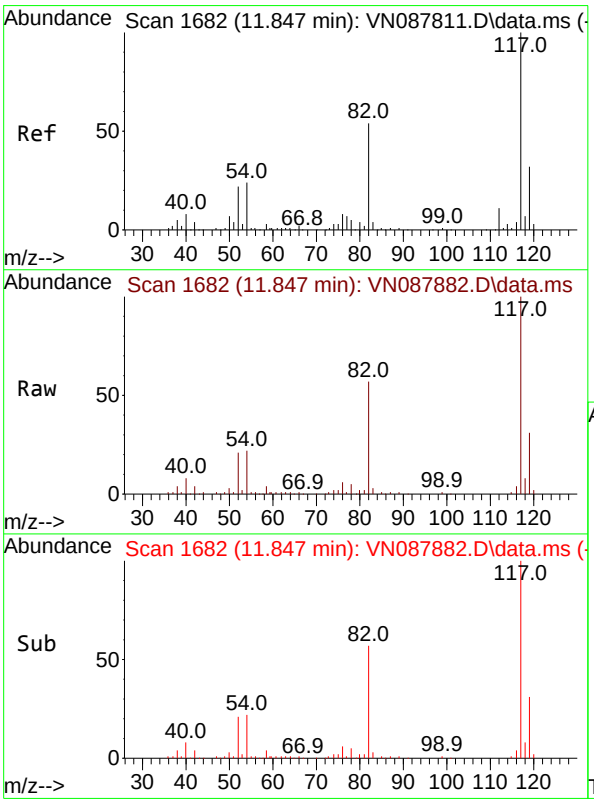
Ion	Ratio	Lower	Upper
114	100		
63	20.2	18.3	27.5
88	15.7	12.4	18.6



Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations
APPROVED

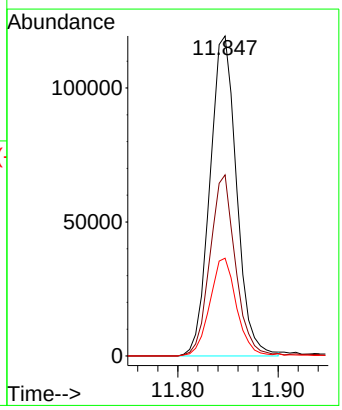
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

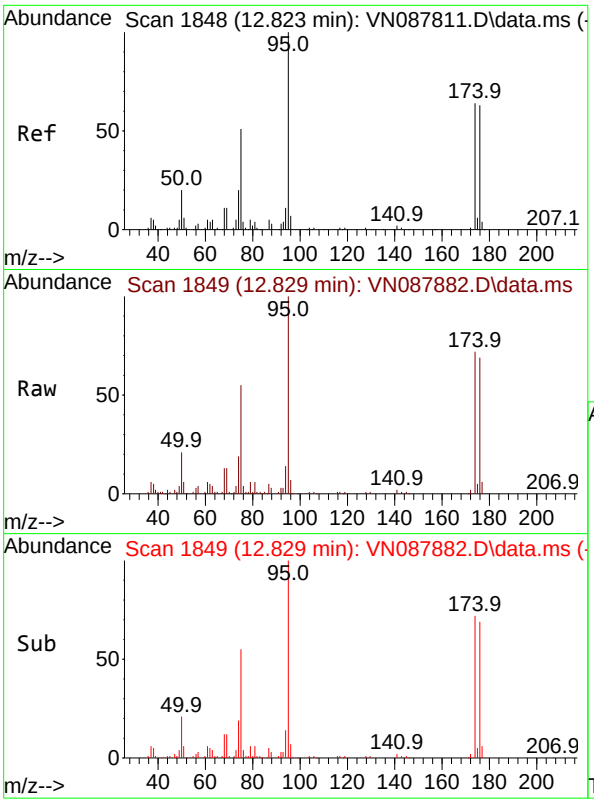


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion:117 Resp: 220656

Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.9	68.9
119	30.6	25.3	37.9





#60
4-Bromofluorobenzene
Concen: 26.925 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

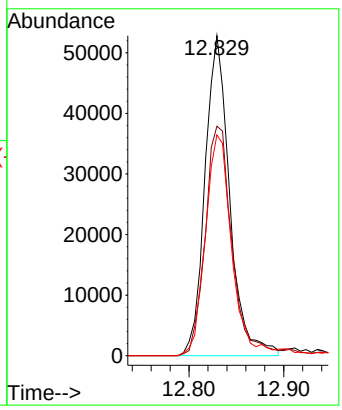
Tgt Ion: 95 Resp: 9552

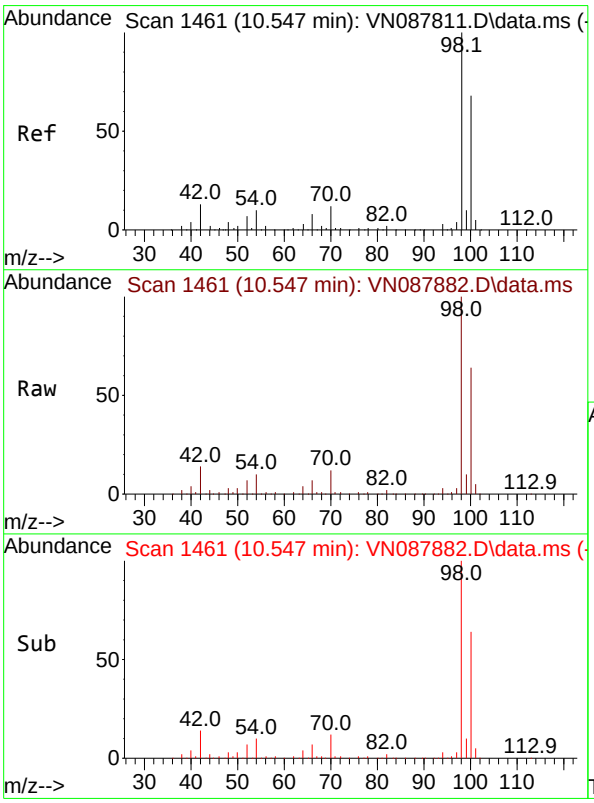
Ion	Ratio	Lower	Upper
95	100		
174	77.5	55.4	83.0
176	71.7	51.5	77.3

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

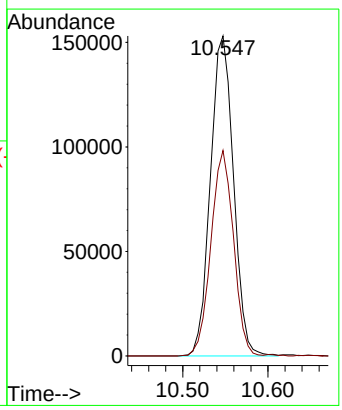




#63
Toluene-d8
Concen: 28.102 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087882.D
Acq: 17 Sep 2025 16:00

Tgt Ion: 98 Resp: 288377

Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.6	76.0



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3098

Instrument ID: MSVOA_N Calibration Date(s): 09/04/2025 09/04/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:23 17:46

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

LAB FILE ID: RRF005 = VN087725.D RRF020 = VN087726.D RRF050 = VN087727.D
RRF100 = VN087728.D RRF150 = VN087729.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	1.939	1.792	2.026	2.037	1.992		1.957	5.1
Vinyl Chloride	2.110	2.001	2.388	2.315	2.249		2.213	7.1
Bromomethane	1.293	1.108	1.325	1.377	1.387		1.298	8.7
Chloroethane	1.599	1.358	1.577	1.521	1.506		1.512	6.2
Trichlorofluoromethane	3.241	2.904	3.445	3.355	3.271		3.243	6.3
1,1-Dichloroethene	1.836	1.575	1.915	1.883	1.846		1.811	7.5
Acrolein	0.523	0.431	0.496	0.518	0.518		0.497	7.7
Acrylonitrile	1.167	1.051	1.253	1.274	1.263		1.202	7.9
Methylene Chloride	2.174	1.759	2.150	2.090	2.084		2.052	8.2
trans-1,2-Dichloroethene	1.709	1.652	1.947	1.965	1.962		1.847	8.3
1,1-Dichloroethane	3.750	3.277	3.899	3.878	3.823		3.725	6.9
Carbon Tetrachloride	0.526	0.466	0.530	0.533	0.522		0.515	5.5
Chloroform	3.785	3.484	4.143	4.049	4.035		3.899	6.9
1,1,1-Trichloroethane	0.599	0.582	0.635	0.647	0.628		0.618	4.4
Benzene	1.514	1.442	1.630	1.657	1.636		1.576	5.9
1,2-Dichloroethane	0.595	0.554	0.609	0.618	0.600		0.595	4.1
Trichloroethene	0.352	0.323	0.364	0.366	0.357		0.352	5
1,2-Dichloropropane	0.394	0.374	0.407	0.428	0.415		0.404	5
Bromodichloromethane	0.612	0.570	0.616	0.647	0.624		0.614	4.5
Toluene	1.705	1.673	1.868	1.935	1.893		1.815	6.5
t-1,3-Dichloropropene	0.594	0.556	0.653	0.696	0.689		0.638	9.5
cis-1,3-Dichloropropene	0.607	0.566	0.678	0.712	0.702		0.653	9.7
1,1,2-Trichloroethane	0.388	0.354	0.399	0.401	0.398		0.388	5.1
2-Chloroethyl vinyl ether	0.310	0.319	0.339	0.377	0.384		0.346	9.7
Dibromochloromethane	0.420	0.369	0.454	0.468	0.464		0.435	9.5
Tetrachloroethene	0.312	0.279	0.297	0.306	0.300		0.299	4.2
Chlorobenzene	1.063	1.006	1.127	1.191	1.182		1.114	7.1
Ethyl Benzene	1.736	1.744	2.042	2.145	2.122		1.958	10.3
m/p-Xylenes	0.629	0.642	0.776	0.800	0.785		0.727	11.5
o-Xylene	0.603	0.639	0.731	0.774	0.776		0.705	11.2

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3098

Instrument ID: MSVOA_N Calibration Date(s): 09/04/2025 09/04/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:23 17:46

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

LAB FILE ID: RRF005 = VN087725.D RRF020 = VN087726.D RRF050 = VN087727.D
RRF100 = VN087728.D RRF150 = VN087729.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Bromoform	0.265	0.242	0.289	0.312	0.313		0.284	10.8
1,1,2,2-Tetrachloroethane	0.616	0.605	0.666	0.670	0.655		0.642	4.6
1,3-Dichlorobenzene	0.762	0.789	0.888	0.900	0.874		0.843	7.5
1,4-Dichlorobenzene	0.778	0.776	0.895	0.908	0.867		0.845	7.5
1,2-Dichlorobenzene	0.718	0.733	0.839	0.855	0.828		0.795	8.1
1,2-Dichloroethane-d4	2.618	2.509	2.604	2.499	2.583		2.563	2.2
Toluene-d8	1.403	1.411	1.392	1.402	1.369		1.395	1.2
4-Bromofluorobenzene	0.454	0.489	0.475	0.501	0.492		0.482	3.8

* 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.

Raw Data: **VN087869.D**

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: ARDM01
Lab Code: ACE
SDG No.: Q3098
Instrument ID: MSVOA_N
Calibration Date/Time: 09/17/2025 09:42
Lab File ID: VN087869.D
Init. Calib. Date(s): 09/04/2025 09/04/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 16:23 17:46
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	1.957	1.487		-24.02	
Vinyl Chloride	2.213	1.692	0.1	-23.54	
Bromomethane	1.298	0.922	0.1	-28.97	
Chloroethane	1.512	1.076		-28.84	
Trichlorofluoromethane	3.243	2.707		-16.53	
1,1-Dichloroethene	1.811	1.471	0.1	-18.77	
Acrolein	0.497	0.578		16.3	
Acrylonitrile	1.202	1.090		-9.32	
Methylene Chloride	2.052	1.906		-7.11	
trans-1,2-Dichloroethene	1.847	1.654		-10.45	
1,1-Dichloroethane	3.725	3.405	0.2	-8.59	
Carbon Tetrachloride	0.515	0.484	0.1	-6.02	
Chloroform	3.899	3.643	0.2	-6.57	
1,1,1-Trichloroethane	0.618	0.585	0.1	-5.34	
Benzene	1.576	1.389	0.5	-11.86	
1,2-Dichloroethane	0.595	0.532	0.1	-10.59	
Trichloroethene	0.352	0.336	0.3	-4.55	
1,2-Dichloropropane	0.404	0.353		-12.62	
Bromodichloromethane	0.614	0.543	0.2	-11.56	
Toluene	1.815	1.660	0.4	-8.54	
t-1,3-Dichloropropene	0.638	0.544	0.1	-14.73	
cis-1,3-Dichloropropene	0.653	0.584	0.2	-10.57	
1,1,2-Trichloroethane	0.388	0.361	0.1	-6.96	
2-Chloroethyl vinyl ether	0.346	0.310		-10.4	
Dibromochloromethane	0.435	0.404	0.1	-7.13	
Tetrachloroethene	0.299	0.295	0.2	-1.34	
Chlorobenzene	1.114	1.042	0.5	-6.46	
Ethyl Benzene	1.958	1.821	0.1	-7	
m/p-Xylenes	0.727	0.678	0.3	-6.74	
o-Xylene	0.705	0.643	0.3	-8.79	
Bromoform	0.284	0.265	0.1	-6.69	
1,1,2,2-Tetrachloroethane	0.642	0.598	0.3	-6.85	
1,3-Dichlorobenzene	0.843	0.828	0.2	-1.78	
1,4-Dichlorobenzene	0.845	0.856	0.2	1.3	
1,2-Dichlorobenzene	0.795	0.815	0.2	2.52	
1,2-Dichloroethane-d4	2.563	2.512	0.01	-1.99	
Toluene-d8	1.395	1.343	0.01	-3.73	
4-Bromofluorobenzene	0.482	0.479	0.2	-0.62	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	52147	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	281875	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	258937	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	130992	29.406	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.033%				
60) 4-Bromofluorobenzene	12.829	95	123908	29.761	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.200%				
63) Toluene-d8	10.547	98	347757	28.879	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.267%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.148	85	63728	19.663	ug/l		97
3) Chloromethane	2.383	50	51699	15.195	ug/l		97
4) Vinyl Chloride	2.536	62	58815	15.293	ug/l		92
5) Bromomethane	2.977	94	32049	14.205	ug/l		96
6) Chloroethane	3.136	64	37417	14.235	ug/l	#	79
7) Trichlorofluoromethane	3.512	101	94114	16.695	ug/l		87
8) Diethyl Ether	3.959	74	34918	14.668	ug/l		92
9) 1,1,2-Trichlorotrifluo...	4.371	101	54116	17.723	ug/l		60
10) 1,1-Dichloroethene	4.336	96	51148	16.247	ug/l		94
11) Methyl Iodide	4.583	142	27462	12.324	ug/l		87
12) Methyl Acetate	5.018	43	93838	19.337	ug/l		95
13) Acrolein	4.177	56	100412	116.214	ug/l	#	38
14) Acrylonitrile	5.712	53	189426	90.687	ug/l		97
15) Acetone	4.424	58	54742	84.010	ug/l		95
16) Carbon Disulfide	4.700	76	144116	16.674	ug/l	#	93
17) Allyl chloride	5.018	41	88841m	17.278	ug/l		
18) Methylene Chloride	5.265	84	66255	18.580	ug/l		90
19) trans-1,2-Dichloroethene	5.765	96	57498	17.909	ug/l		96
20) Diisopropyl ether	6.659	45	211964	17.926	ug/l	#	96
21) 1,1-Dichloroethane	6.553	63	118384	18.283	ug/l		95
22) cis-1,2-Dichloroethene	7.471	96	72845	18.692	ug/l		100
23) tert-Butyl Alcohol	5.518	59	68111	92.244	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	214645	19.098	ug/l	#	80
25) Chloroform	7.947	83	126632	18.683	ug/l		88
26) Cyclohexane	8.236	56	91476	18.551	ug/l	#	98
29) 1,1-Dichloropropene	8.347	75	81669	17.828	ug/l		97
30) 2-Butanone	7.465	43	278175	88.150	ug/l		99
31) 2,2-Dichloropropane	7.471	77	114169	20.675	ug/l	#	78
32) 1,1,1-Trichloroethane	8.153	97	109869	18.918	ug/l		96
33) Carbon Tetrachloride	8.341	117	91042	18.801	ug/l		89
34) Benzene	8.588	78	260993	17.628	ug/l	#	91
35) Methacrylonitrile	7.759	41	56919	17.244	ug/l		96
36) 1,2-Dichloroethane	8.653	62	99931	17.869	ug/l		98
37) Trichloroethene	9.335	130	63179	19.090	ug/l		93
38) Methylcyclohexane	9.583	83	93569	18.550	ug/l		95
39) 1,2-Dichloropropane	9.600	63	66336	17.494	ug/l		90
40) Dibromomethane	9.688	93	50151	17.772	ug/l		96
41) Bromodichloromethane	9.871	83	102024	17.689	ug/l	#	93
42) Vinyl Acetate	6.589	43	873112	82.808	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	111034	17.221 ug/l	99
44) Isopropyl Acetate	8.671	43	173222	17.138 ug/l	99
45) 1,4-Dioxane	9.677	88	22600	354.558 ug/l #	79
46) Methyl methacrylate	9.665	41	78333	16.814 ug/l	93
47) n-amyl Acetate	12.618	43	103656m	15.176 ug/l	
48) t-1,3-Dichloropropene	10.818	75	102141	17.051 ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	109669	17.874 ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	67907	18.631 ug/l	97
51) Ethyl methacrylate	10.853	69	96353	16.987 ug/l	94
52) 1,3-Dichloropropane	11.141	76	110479	17.456 ug/l	98
53) Dibromochloromethane	11.335	129	75842	18.558 ug/l	91
54) 1,2-Dibromoethane	11.447	107	68595	18.087 ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	290841	89.490 ug/l	98
56) Bromoform	12.565	173	49888	18.693 ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	548165	89.532 ug/l	99
59) 2-Hexanone	11.177	43	353570	88.377 ug/l	96
61) Tetrachloroethene	11.082	164	50927	19.754 ug/l	96
62) Toluene	10.606	91	286562	18.296 ug/l	100
64) Chlorobenzene	11.871	112	179893	18.713 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	65113	19.239 ug/l	98
66) Ethyl Benzene	11.941	91	314293m	18.600 ug/l	
67) m/p-Xylenes	12.053	106	233991	37.305 ug/l	93
68) o-Xylene	12.376	106	110935	18.241 ug/l	95
69) Styrene	12.394	104	191265	18.095 ug/l	97
70) Isopropylbenzene	12.671	105	294417	19.093 ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	103192	18.614 ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	96909m	17.804 ug/l	
73) Bromobenzene	12.959	156	71265	18.889 ug/l	92
74) n-propylbenzene	13.012	91	369477	18.990 ug/l	100
75) 2-Chlorotoluene	13.100	91	220111	18.796 ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	249532	19.162 ug/l	95
77) t-1,4-Dichloro-2-butene	12.718	75	34144m	18.585 ug/l	
78) 4-Chlorotoluene	13.200	91	214620	18.179 ug/l	97
79) tert-butylbenzene	13.418	119	217594	19.953 ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	251183	18.815 ug/l	96
81) sec-Butylbenzene	13.594	105	322425	20.100 ug/l	97
82) p-Isopropyltoluene	13.706	119	268282	20.299 ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	142978	19.657 ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	147719	20.261 ug/l	99
85) n-Butylbenzene	14.035	91	252165	19.849 ug/l	99
86) Hexachloroethane	14.306	117	53724	20.013 ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	140678	20.507 ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.700	75	22720	18.468 ug/l	89
89) 1,2,4-Trichlorobenzene	15.812	180	78987	20.244 ug/l	95
90) Hexachlorobutadiene	15.470	225	29826	22.803 ug/l	94
91) Naphthalene	15.612	128	268102	18.665 ug/l	98
92) 1,2,3-Trichlorobenzene	15.812	180	78987	20.244 ug/l	95

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

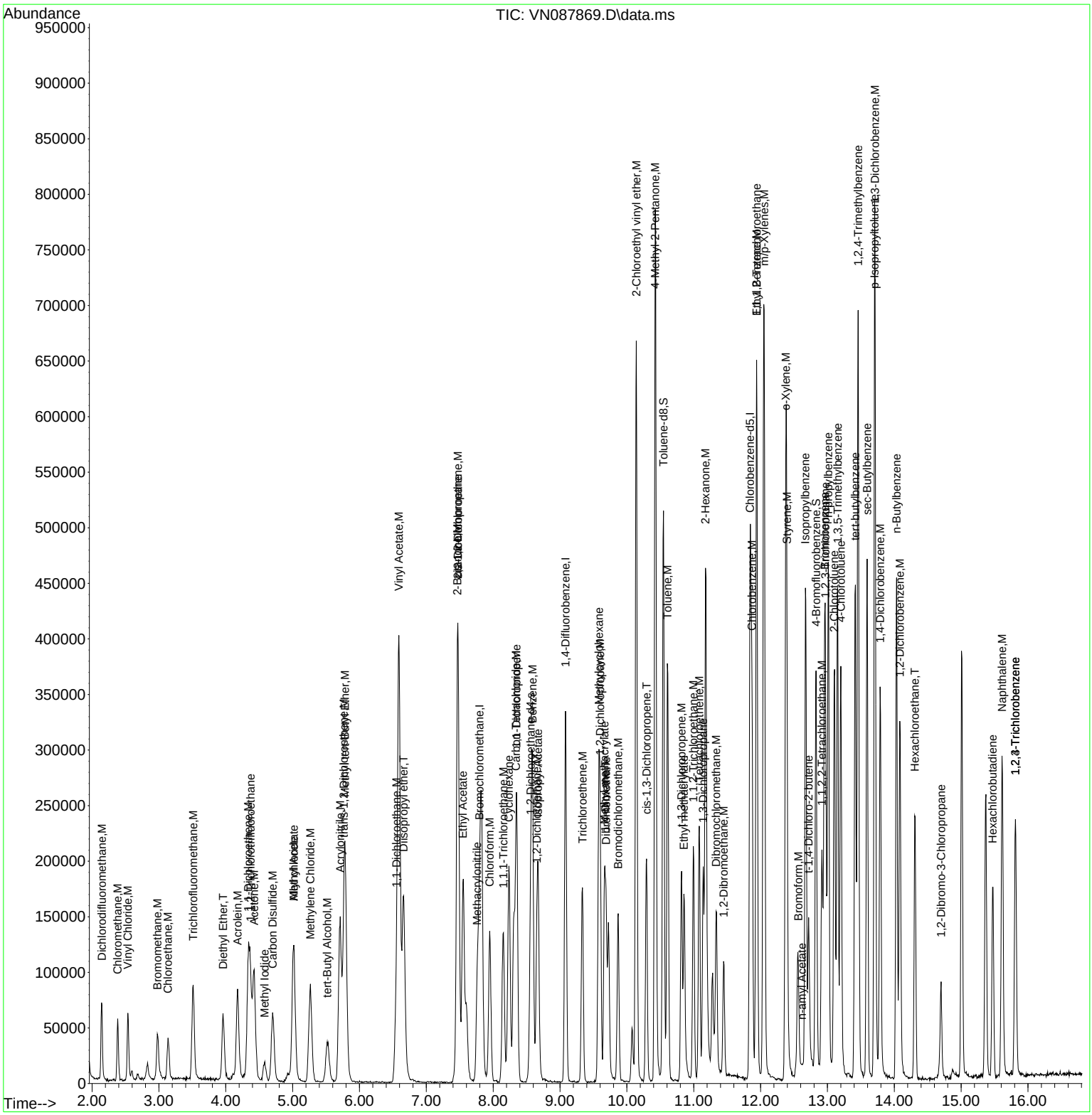
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Sample Results: **VN087869.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	122	0.00
2	M	Dichlorodifluoromethane	1.865	1.833	1.7	128	0.00
3	M	Chloromethane	1.957	1.487	24.0	101	0.00
4	M	Vinyl Chloride	2.213	1.692	23.5	103	0.00
5	M	Bromomethane	1.298	0.922	29.0#	101	0.00
6	M	Chloroethane	1.512	1.076	28.8#	97	0.00
7	M	Trichlorofluoromethane	3.243	2.707	16.5	114	0.00
8	T	Diethyl Ether	1.370	1.004	26.7#	105	0.00
9		1,1,2-Trichlorotrifluoroeth	1.757	1.557	11.4	119	0.00
10	M	1,1-Dichloroethene	1.811	1.471	18.8	114	0.00
11		Methyl Iodide	1.282	0.790	38.4#	103	0.00
12		Methyl Acetate	2.792	2.699	3.3	129	0.00
13	M	Acrolein	0.497	0.578	-16.3	163#	0.00
14	M	Acrylonitrile	1.202	1.090	9.3	126	0.00
15	M	Acetone	0.375	0.315	16.0	120	0.00
16	M	Carbon Disulfide	4.972	4.145	16.6	116	0.00
17		Allyl chloride	2.958	2.555	13.6	123	0.00
18	M	Methylene Chloride	2.052	1.906	7.1	132	0.00
19	M	trans-1,2-Dichloroethene	1.847	1.654	10.4	122	-0.01
20	T	Diisopropyl ether	6.802	6.097	10.4	125	0.00
21	M	1,1-Dichloroethane	3.725	3.405	8.6	127	0.00
22	M	cis-1,2-Dichloroethene	2.242	2.095	6.6	128	0.00
23	M	tert-Butyl Alcohol	0.425	0.392	7.8	125	-0.01
24	M	Methyl tert-Butyl Ether	6.466	6.174	4.5	136	0.00
25	M	Chloroform	3.899	3.643	6.6	127	0.00
26		Cyclohexane	2.837	2.631	7.3	131	0.00
27	s	1,2-Dichloroethane-d4	2.563	2.512	2.0	122	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	133	0.00
29		1,1-Dichloropropene	0.488	0.435	10.9	129	0.00
30	M	2-Butanone	0.336	0.296	11.9	130	0.00
31		2,2-Dichloropropane	0.588	0.608	-3.4	163#	0.00
32	M	1,1,1-Trichloroethane	0.618	0.585	5.3	134	0.00
33	M	Carbon Tetrachloride	0.515	0.484	6.0	139	0.00
34	M	Benzene	1.576	1.389	11.9	128	0.00
35		Methacrylonitrile	0.351	0.303	13.7	117	0.00
36	M	1,2-Dichloroethane	0.595	0.532	10.6	128	0.00
37	M	Trichloroethene	0.352	0.336	4.5	139	0.00
38		Methylcyclohexane	0.537	0.498	7.3	139	0.00
39	M	1,2-Dichloropropane	0.404	0.353	12.6	126	0.00
40		Dibromomethane	0.300	0.267	11.0	129	0.00
41	M	Bromodichloromethane	0.614	0.543	11.6	127	0.00
42	M	Vinyl Acetate	1.122	0.929	17.2	124	0.00
43		Ethyl Acetate	0.686	0.591	13.8	122	0.00
44		Isopropyl Acetate	1.076	0.922	14.3	124	0.00
45	T	1,4-Dioxane	0.007	0.006	14.3	121	0.00
46		Methyl methacrylate	0.496	0.417	15.9	125	0.00
47		n-amyl Acetate	0.727	0.552	24.1	142	-0.05
48	M	t-1,3-Dichloropropene	0.638	0.544	14.7	130	0.00

Sample Results: **VN087869.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.653	0.584	10.6	137	0.00
50	M	1,1,2-Trichloroethane	0.388	0.361	7.0	136	0.00
51		Ethyl methacrylate	0.604	0.513	15.1	133	0.00
52		1,3-Dichloropropane	0.674	0.588	12.8	126	0.00
53	M	Dibromochloromethane	0.435	0.404	7.1	146	0.00
54	M	1,2-Dibromoethane	0.404	0.365	9.7	134	0.00
55	M	2-Chloroethyl vinyl ether	0.346	0.310	10.4	129	0.00
56	M	Bromoform	0.284	0.265	6.7	146	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	131	0.00
58	M	4-Methyl-2-Pentanone	0.709	0.635	10.4	127	0.00
59	M	2-Hexanone	0.464	0.410	11.6	128	0.00
60	S	4-Bromofluorobenzene	0.482	0.479	0.6	128	0.00
61	M	Tetrachloroethene	0.299	0.295	1.3	138	0.00
62	M	Toluene	1.815	1.660	8.5	130	0.00
63	S	Toluene-d8	1.395	1.343	3.7	124	0.00
64	M	Chlorobenzene	1.114	1.042	6.5	135	0.00
65		1,1,1,2-Tetrachloroethane	0.392	0.377	3.8	139	0.00
66	M	Ethyl Benzene	1.958	1.821	7.0	136	0.00
67	M	m/p-Xylenes	0.727	0.678	6.7	138	0.00
68	M	o-Xylene	0.705	0.643	8.8	131	0.00
69	M	Styrene	1.225	1.108	9.6	134	0.00
70		Isopropylbenzene	1.787	1.706	4.5	143	0.00
71	M	1,1,2,2-Tetrachloroethane	0.642	0.598	6.9	129	0.00
72		1,2,3-Trichloropropane	0.631	0.561	11.1	115	0.00
73		Bromobenzene	0.437	0.413	5.5	137	0.00
74		n-propylbenzene	2.254	2.140	5.1	139	0.00
75		2-Chlorotoluene	1.357	1.275	6.0	134	0.00
76		1,3,5-Trimethylbenzene	1.509	1.446	4.2	140	0.00
77		t-1,4-Dichloro-2-butene	0.213	0.198	7.0	142	0.00
78		4-Chlorotoluene	1.368	1.243	9.1	129	0.00
79		tert-butylbenzene	1.263	1.261	0.2	145	0.00
80		1,2,4-Trimethylbenzene	1.547	1.455	5.9	135	0.00
81		sec-Butylbenzene	1.858	1.868	-0.5	145	0.00
82		p-Isopropyltoluene	1.531	1.554	-1.5	149	0.00
83	M	1,3-Dichlorobenzene	0.843	0.828	1.8	137	0.00
84	M	1,4-Dichlorobenzene	0.845	0.856	-1.3	144	0.00
85		n-Butylbenzene	1.472	1.461	0.7	149	0.00
86	T	Hexachloroethane	0.311	0.311	0.0	142	0.00
87	M	1,2-Dichlorobenzene	0.795	0.815	-2.5	145	0.00
88		1,2-Dibromo-3-Chloropropane	0.143	0.132	7.7	124	0.00
89		1,2,4-Trichlorobenzene	0.452	0.458	-1.3	149	0.00
90		Hexachlorobutadiene	0.152	0.173	-13.8	155#	0.00
91	M	Naphthalene	1.664	1.553	6.7	141	0.00
92		1,2,3-Trichlorobenzene	0.452	0.458	-1.3	149	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **VN087869.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	122	0.00
2	M	Dichlorodifluoromethane	20.000	19.663	1.7	128	0.00
3	M	Chloromethane	20.000	15.195	24.0	101	0.00
4	M	Vinyl Chloride	20.000	15.293	23.5	103	0.00
5	M	Bromomethane	20.000	14.205	29.0#	101	0.00
6	M	Chloroethane	20.000	14.235	28.8#	97	0.00
7	M	Trichlorofluoromethane	20.000	16.695	16.5	114	0.00
8	T	Diethyl Ether	20.000	14.668	26.7#	105	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	17.723	11.4	119	0.00
10	M	1,1-Dichloroethene	20.000	16.247	18.8	114	0.00
11		Methyl Iodide	20.000	12.324	38.4#	103	0.00
12		Methyl Acetate	20.000	19.337	3.3	129	0.00
13	M	Acrolein	100.000	116.214	-16.2	163	0.00
14	M	Acrylonitrile	100.000	90.687	9.3	126	0.00
15	M	Acetone	100.000	84.010	16.0	120	0.00
16	M	Carbon Disulfide	20.000	16.674	16.6	116	0.00
17		Allyl chloride	20.000	17.278	13.6	123	0.00
18	M	Methylene Chloride	20.000	18.580	7.1	132	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.909	10.5	122	-0.01
20	T	Diisopropyl ether	20.000	17.926	10.4	125	0.00
21	M	1,1-Dichloroethane	20.000	18.283	8.6	127	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.692	6.5	128	0.00
23	M	tert-Butyl Alcohol	100.000	92.244	7.8	125	-0.01
24	M	Methyl tert-Butyl Ether	20.000	19.098	4.5	136	0.00
25	M	Chloroform	20.000	18.683	6.6	127	0.00
26		Cyclohexane	20.000	18.551	7.2	131	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.406	2.0	122	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	133	0.00
29		1,1-Dichloropropene	20.000	17.828	10.9	129	0.00
30	M	2-Butanone	100.000	88.150	11.8	130	0.00
31		2,2-Dichloropropane	20.000	20.675	-3.4	163	0.00
32	M	1,1,1-Trichloroethane	20.000	18.918	5.4	134	0.00
33	M	Carbon Tetrachloride	20.000	18.801	6.0	139	0.00
34	M	Benzene	20.000	17.628	11.9	128	0.00
35		Methacrylonitrile	20.000	17.244	13.8	117	0.00
36	M	1,2-Dichloroethane	20.000	17.869	10.7	128	0.00
37	M	Trichloroethene	20.000	19.090	4.6	139	0.00
38		Methylcyclohexane	20.000	18.550	7.2	139	0.00
39	M	1,2-Dichloropropane	20.000	17.494	12.5	126	0.00
40		Dibromomethane	20.000	17.772	11.1	129	0.00
41	M	Bromodichloromethane	20.000	17.689	11.6	127	0.00
42	M	Vinyl Acetate	100.000	82.808	17.2	124	0.00
43		Ethyl Acetate	20.000	17.221	13.9	122	0.00
44		Isopropyl Acetate	20.000	17.138	14.3	124	0.00
45	T	1,4-Dioxane	400.000	354.558	11.4	121	0.00
46		Methyl methacrylate	20.000	16.814	15.9	125	0.00
47		n-amyl Acetate	20.000	15.176	24.1	142	-0.05
48	M	t-1,3-Dichloropropene	20.000	17.051	14.7	130	0.00

Sample Results: **VN087869.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087869.D
Acq On : 17 Sep 2025 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 18 03:06:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	17.874	10.6	137	0.00
50	M	1,1,2-Trichloroethane	20.000	18.631	6.8	136	0.00
51		Ethyl methacrylate	20.000	16.987	15.1	133	0.00
52		1,3-Dichloropropane	20.000	17.456	12.7	126	0.00
53	M	Dibromochloromethane	20.000	18.558	7.2	146	0.00
54	M	1,2-Dibromoethane	20.000	18.087	9.6	134	0.00
55	M	2-Chloroethyl vinyl ether	100.000	89.490	10.5	129	0.00
56	M	Bromoform	20.000	18.693	6.5	146	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	131	0.00
58	M	4-Methyl-2-Pentanone	100.000	89.532	10.5	127	0.00
59	M	2-Hexanone	100.000	88.377	11.6	128	0.00
60	S	4-Bromofluorobenzene	30.000	29.761	0.8	128	0.00
61	M	Tetrachloroethene	20.000	19.754	1.2	138	0.00
62	M	Toluene	20.000	18.296	8.5	130	0.00
63	S	Toluene-d8	30.000	28.879	3.7	124	0.00
64	M	Chlorobenzene	20.000	18.713	6.4	135	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.239	3.8	139	0.00
66	M	Ethyl Benzene	20.000	18.600	7.0	136	0.00
67	M	m/p-Xylenes	40.000	37.305	6.7	138	0.00
68	M	o-Xylene	20.000	18.241	8.8	131	0.00
69	M	Styrene	20.000	18.095	9.5	134	0.00
70		Isopropylbenzene	20.000	19.093	4.5	143	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.614	6.9	129	0.00
72		1,2,3-Trichloropropane	20.000	17.804	11.0	115	0.00
73		Bromobenzene	20.000	18.889	5.6	137	0.00
74		n-propylbenzene	20.000	18.990	5.1	139	0.00
75		2-Chlorotoluene	20.000	18.796	6.0	134	0.00
76		1,3,5-Trimethylbenzene	20.000	19.162	4.2	140	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.585	7.1	142	0.00
78		4-Chlorotoluene	20.000	18.179	9.1	129	0.00
79		tert-butylbenzene	20.000	19.953	0.2	145	0.00
80		1,2,4-Trimethylbenzene	20.000	18.815	5.9	135	0.00
81		sec-Butylbenzene	20.000	20.100	-0.5	145	0.00
82		p-Isopropyltoluene	20.000	20.299	-1.5	149	0.00
83	M	1,3-Dichlorobenzene	20.000	19.657	1.7	137	0.00
84	M	1,4-Dichlorobenzene	20.000	20.261	-1.3	144	0.00
85		n-Butylbenzene	20.000	19.849	0.8	149	0.00
86	T	Hexachloroethane	20.000	20.013	-0.1	142	0.00
87	M	1,2-Dichlorobenzene	20.000	20.507	-2.5	145	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.468	7.7	124	0.00
89		1,2,4-Trichlorobenzene	20.000	20.244	-1.2	149	0.00
90		Hexachlorobutadiene	20.000	22.803	-14.0	155	0.00
91	M	Naphthalene	20.000	18.665	6.7	141	0.00
92		1,2,3-Trichlorobenzene	20.000	20.244	-1.2	149	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

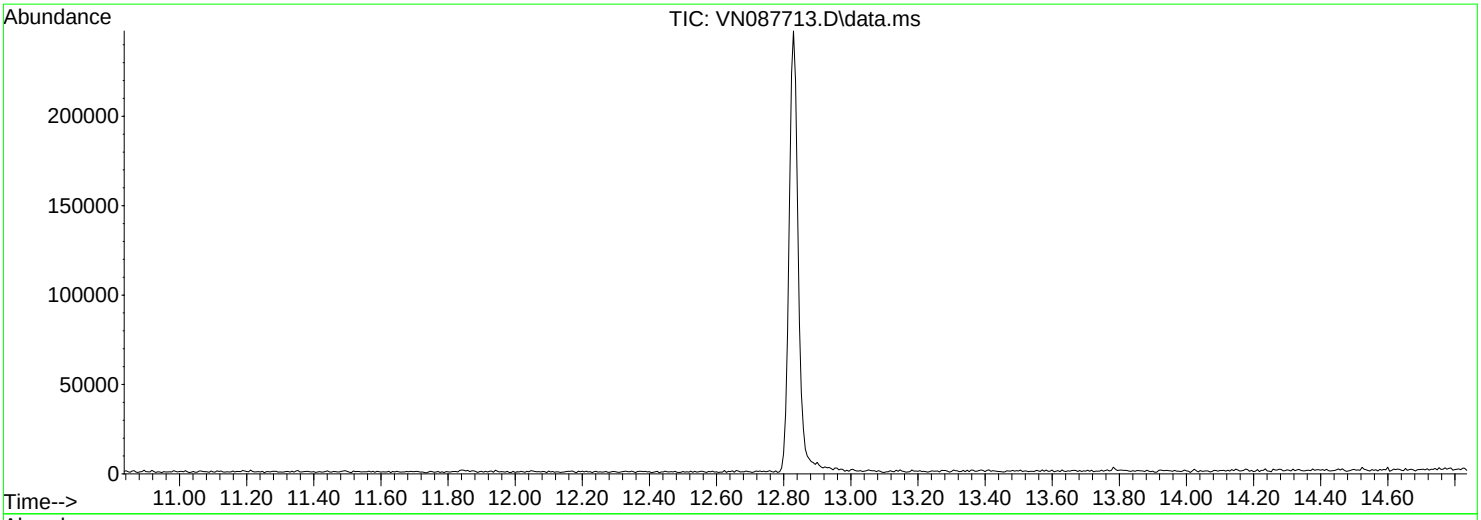
Sample Results: **VN087713.D**

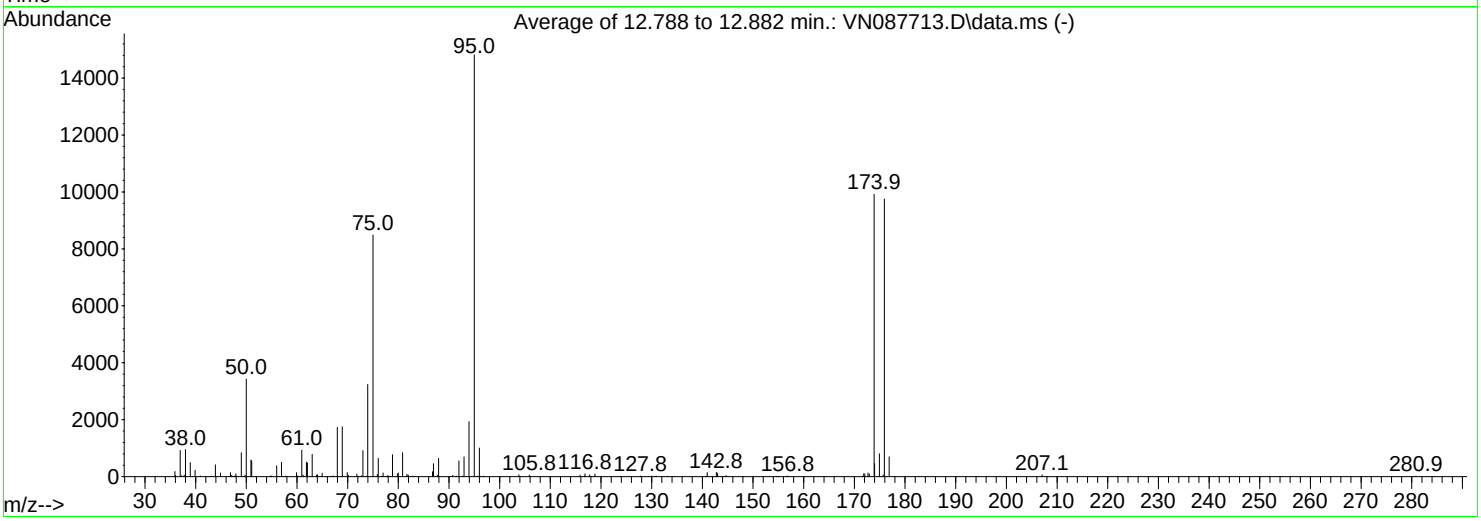
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
Data File : VN087713.D
Acq On : 04 Sep 2025 10:10
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Sep 05 03:29:53 2025





AutoFind: Averaged scan 1842 to 1858; Bkg corrected with scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	3426	PASS
75	95	30	60	57.3	8489	PASS
95	95	100	100	100.0	14815	PASS
96	95	5	9	6.8	1008	PASS
173	174	0.00	2	1.3	131	PASS
174	95	50	100	67.0	9919	PASS
175	174	5	9	8.1	802	PASS
176	174	95	101	98.3	9751	PASS
177	176	5	9	7.1	696	PASS

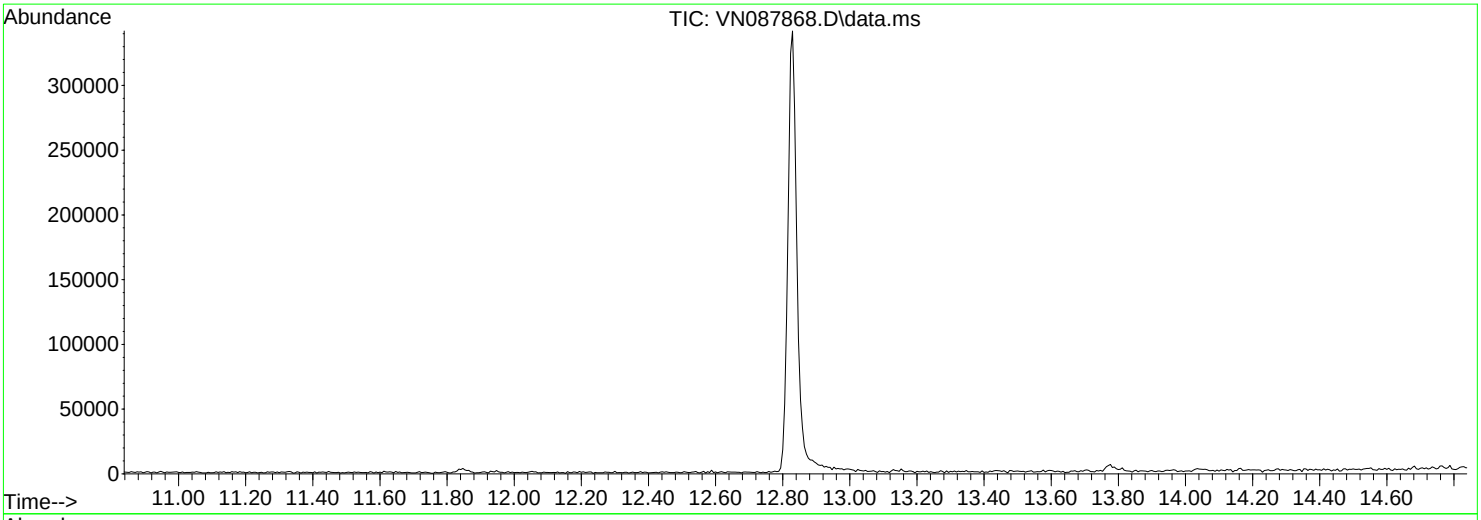
Sample Results: **VN087868.D**

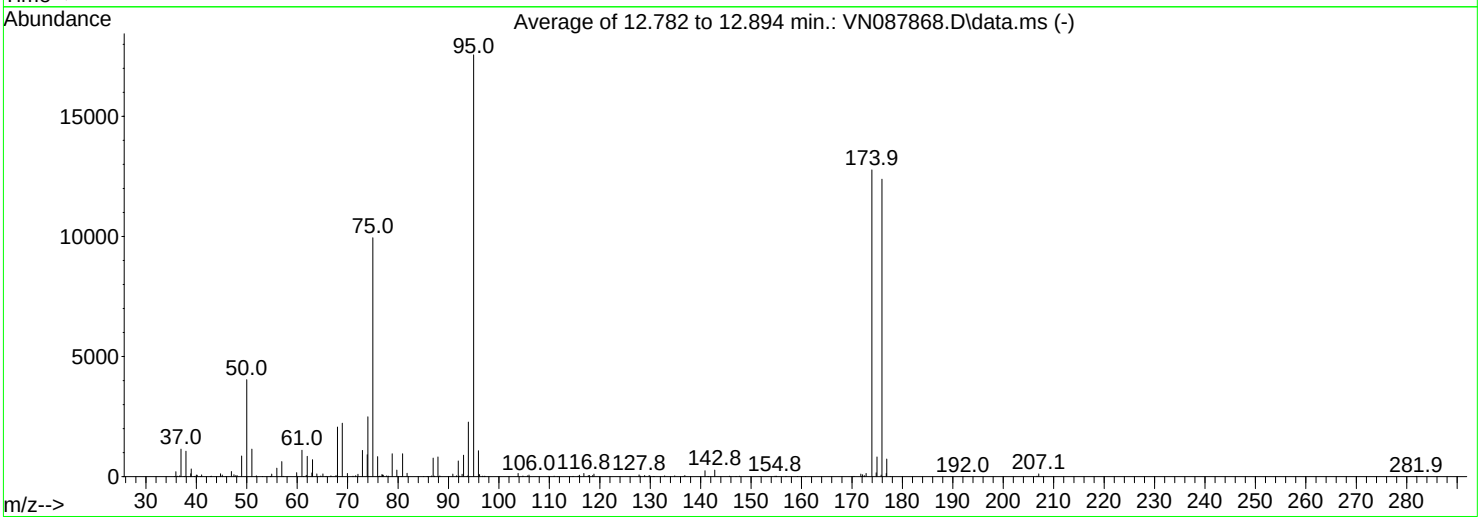
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087868.D
Acq On : 17 Sep 2025 08:24
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Sep 05 03:29:53 2025





AutoFind: Averaged scan 1841 to 1860; Bkg corrected with scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	4036	PASS
75	95	30	60	56.6	9947	PASS
95	95	100	100	100.0	17560	PASS
96	95	5	9	6.1	1076	PASS
173	174	0.00	2	1.1	135	PASS
174	95	50	100	72.7	12770	PASS
175	174	5	9	6.4	820	PASS
176	174	95	101	97.0	12386	PASS
177	176	5	9	5.9	730	PASS

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0917WBL01		SDG No.:	Q3098	
Lab Sample ID:	VN0917WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087872.D	1	09/17/25 12:03	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	4.60	U	4.60	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L

Raw Data: **VN087872.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0917WBL01		SDG No.:	Q3098	
Lab Sample ID:	VN0917WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087872.D	1	09/17/25 12:03	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.8		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	26.4		63 - 112	88%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	50700	7.8			
540-36-3	1,4-Difluorobenzene	260000	9.083			
3114-55-4	Chlorobenzene-d5	235000	11.847			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087872.D
Acq On : 17 Sep 2025 12:03
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Time: Sep 18 03:09:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

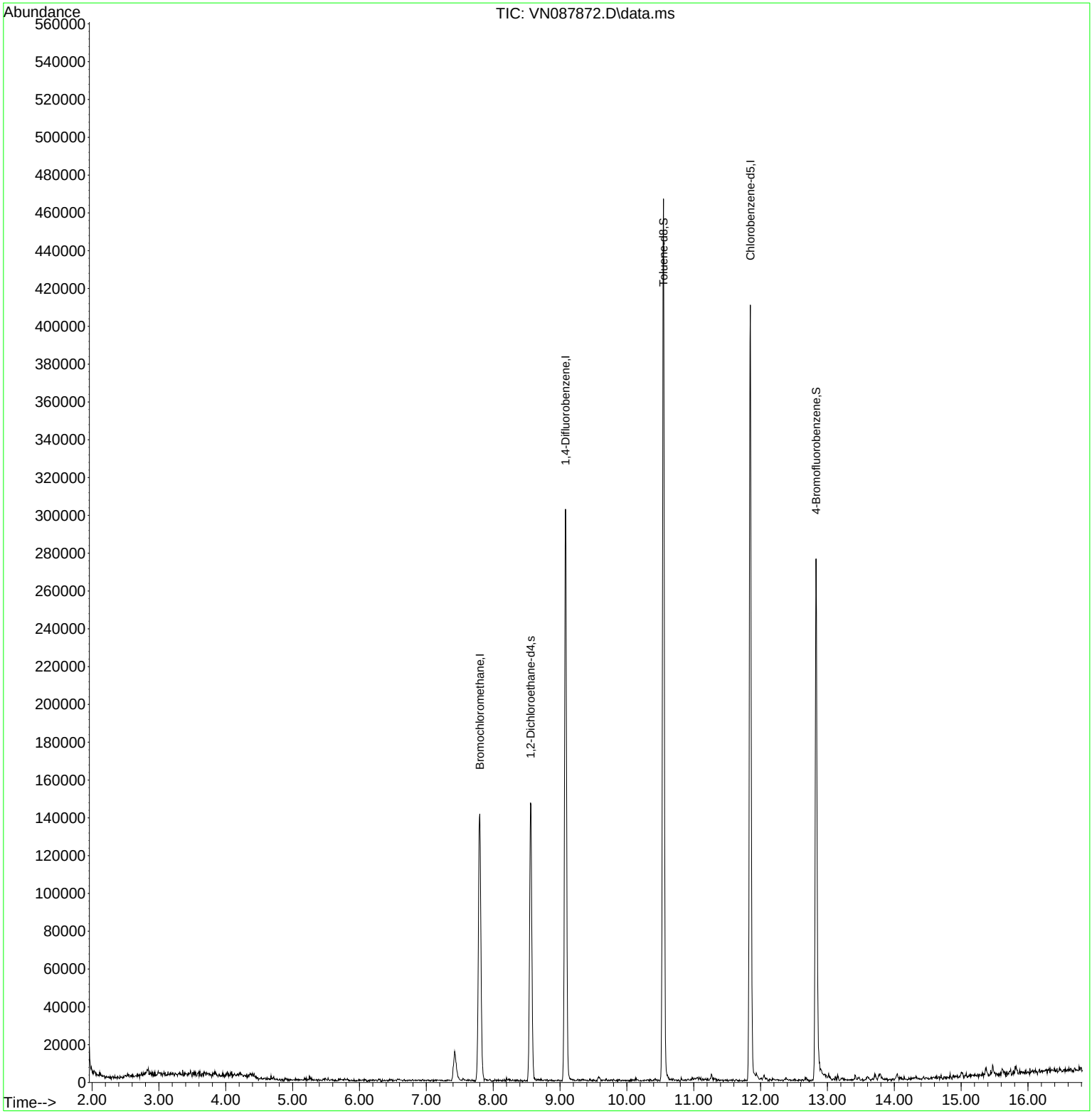
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	50672	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	260263	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	234698	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	124770	28.825	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.067%		
60) 4-Bromofluorobenzene	12.829	95	99589	26.390	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.967%		
63) Toluene-d8	10.547	98	315410	28.898	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.333%		
Target Compounds						Qvalue

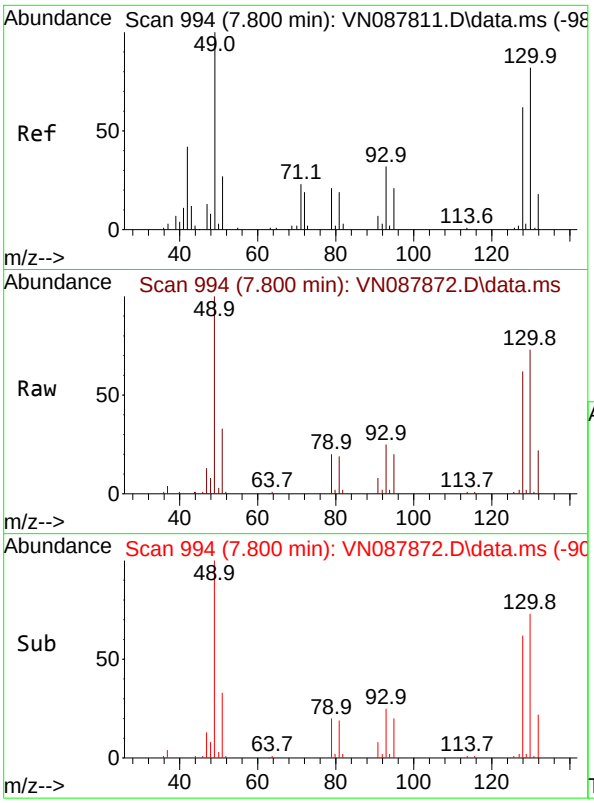
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087872.D
Acq On : 17 Sep 2025 12:03
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Quant Time: Sep 18 03:09:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration



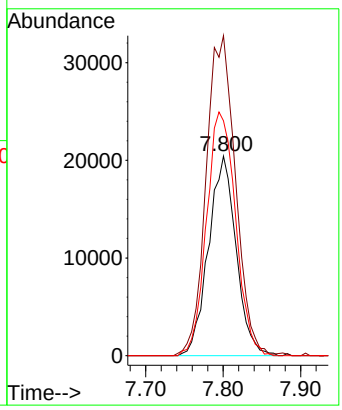


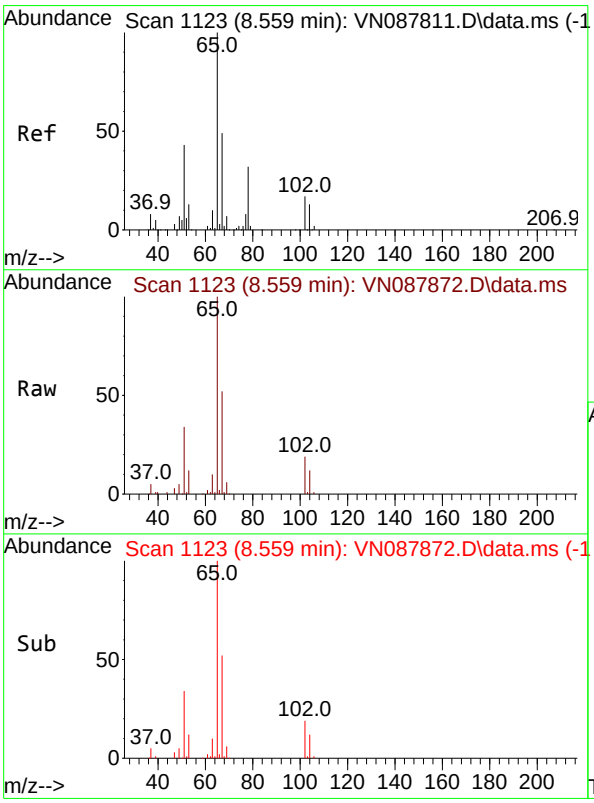
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:128 Resp: 50672

Ion	Ratio	Lower	Upper
128	100		
49	170.0	0.0	464.3
130	128.5	0.0	300.5

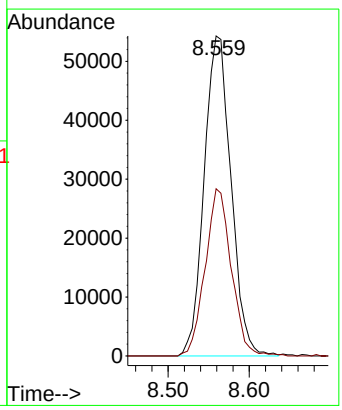


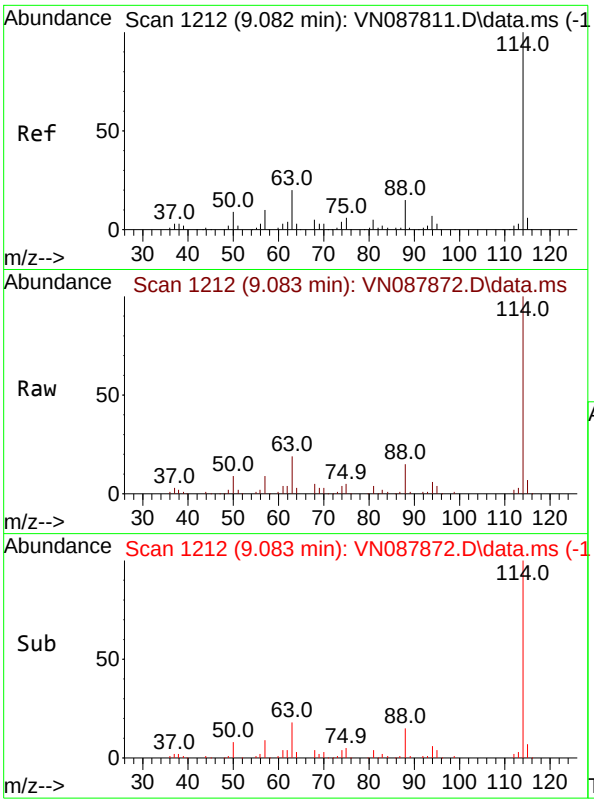


#27
1,2-Dichloroethane-d4
Concen: 28.825 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion: 65 Resp: 124770

Ion	Ratio	Lower	Upper
65	100		
67	50.9	39.6	59.4



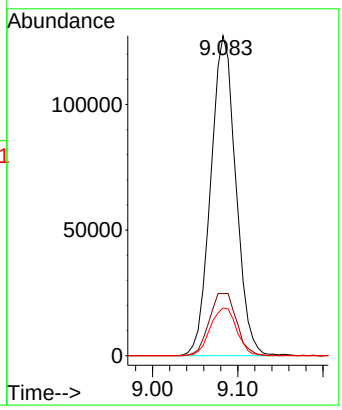


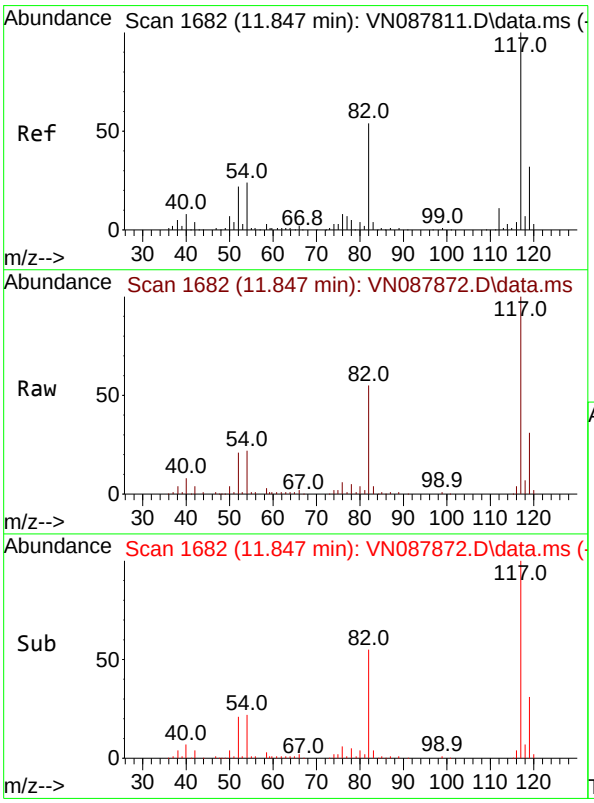
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:114 Resp: 260263

Ion	Ratio	Lower	Upper
114	100		
63	21.1	18.3	27.5
88	15.7	12.4	18.6

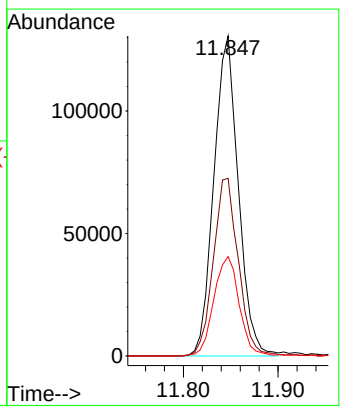


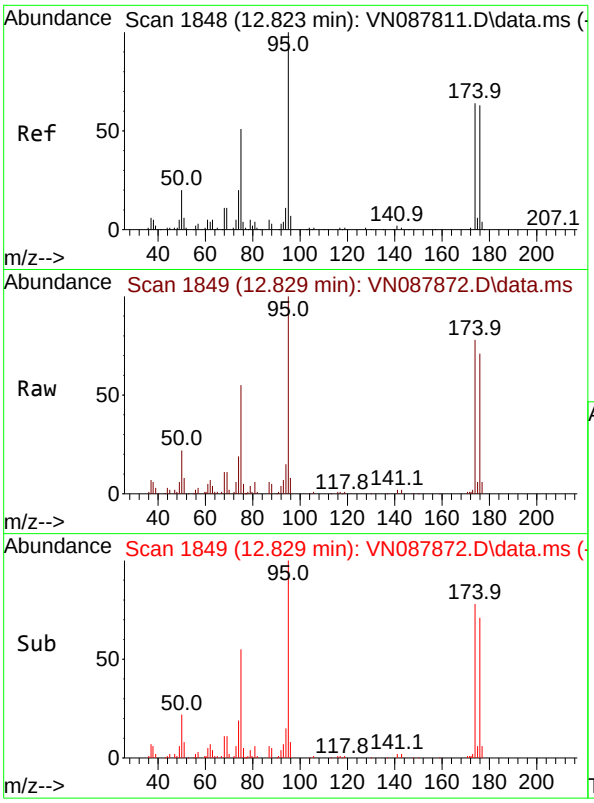


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion:117 Resp: 234698

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	32.0	25.3	37.9



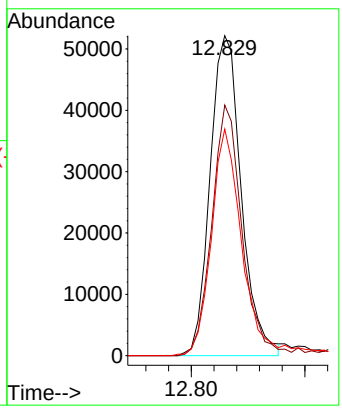


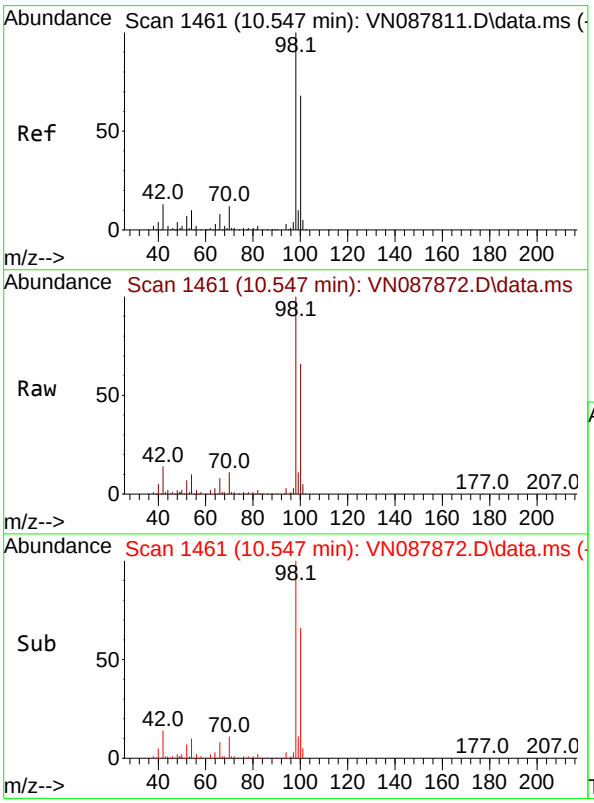
#60
4-Bromofluorobenzene
Concen: 26.390 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion: 95 Resp: 99589

Ion	Ratio	Lower	Upper
95	100		
174	75.3	55.4	83.0
176	70.4	51.5	77.3

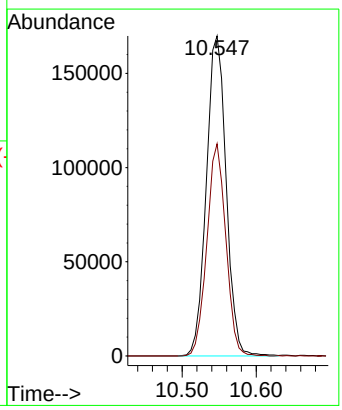




#63
Toluene-d8
Concen: 28.898 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion: 98 Resp: 315410

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.6	76.0



Raw Data: **VN087870.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0917WBS01		SDG No.:	Q3098	
Lab Sample ID:	VN0917WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087870.D	1	09/17/25 10:55	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	16.7		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.83	5.00	ug/L
74-83-9	Bromomethane	15.0		0.80	5.00	ug/L
75-00-3	Chloroethane	15.8		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.76	5.00	ug/L
107-02-8	Acrolein	120		6.60	25.0	ug/L
107-13-1	Acrylonitrile	98.6		2.80	25.0	ug/L
75-09-2	Methylene Chloride	19.7		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.3		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.74	5.00	ug/L
67-66-3	Chloroform	20.1		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.63	5.00	ug/L
71-43-2	Benzene	18.8		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.2		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.9		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.64	5.00	ug/L
108-88-3	Toluene	19.6		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	83.8		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	20.0		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	22.6		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.7		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	40.8		1.30	10.0	ug/L
95-47-6	o-Xylene	20.2		0.67	5.00	ug/L

Raw Data: **VN087870.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0917WBS01		SDG No.:	Q3098	
Lab Sample ID:	VN0917WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087870.D	1	09/17/25 10:55	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	20.2		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.6		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.7		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.4		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	53500	7.794			
540-36-3	1,4-Difluorobenzene	296000	9.082			
3114-55-4	Chlorobenzene-d5	269000	11.847			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087870.D
Acq On : 17 Sep 2025 10:55
Operator : JC\MD
Sample : VN0917WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 03:07:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	53476	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	296032	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	268776	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	137020	29.995	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.000%				
60) 4-Bromofluorobenzene	12.829	95	131390	30.402	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.333%				
63) Toluene-d8	10.541	98	372539	29.804	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	67104	20.190	ug/l		98
3) Chloromethane	2.383	50	58286	16.706	ug/l		98
4) Vinyl Chloride	2.536	62	66773	16.930	ug/l		99
5) Bromomethane	2.977	94	34766	15.026	ug/l		97
6) Chloroethane	3.136	64	42585	15.798	ug/l	#	78
7) Trichlorofluoromethane	3.512	101	105691	18.282	ug/l		90
8) Diethyl Ether	3.965	74	41183	16.870	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.377	101	60935m	19.460	ug/l		
10) 1,1-Dichloroethene	4.336	96	58764	18.203	ug/l		88
11) Methyl Iodide	4.583	142	37791	16.537	ug/l		82
12) Methyl Acetate	5.012	43	103303	20.758	ug/l		96
13) Acrolein	4.177	56	106235m	119.897	ug/l		
14) Acrylonitrile	5.706	53	211139	98.570	ug/l		99
15) Acetone	4.424	58	61711	92.351	ug/l		97
16) Carbon Disulfide	4.700	76	156918	17.704	ug/l	#	91
17) Allyl chloride	5.006	41	103203	19.572	ug/l		95
18) Methylene Chloride	5.259	84	72176m	19.737	ug/l		
19) trans-1,2-Dichloroethene	5.771	96	66956	20.336	ug/l		97
20) Diisopropyl ether	6.653	45	227741	18.782	ug/l		98
21) 1,1-Dichloroethane	6.553	63	131509	19.805	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	80456	20.132	ug/l		96
23) tert-Butyl Alcohol	5.512	59	76053	100.440	ug/l	#	100
24) Methyl tert-Butyl Ether	5.788	73	236800	20.546	ug/l		100
25) Chloroform	7.947	83	139613	20.087	ug/l		94
26) Cyclohexane	8.241	56	103429	20.453	ug/l	#	98
29) 1,1-Dichloropropene	8.359	75	91361	18.990	ug/l		97
30) 2-Butanone	7.465	43	314577	94.918	ug/l		99
31) 2,2-Dichloropropane	7.471	77	120804	20.830	ug/l		100
32) 1,1,1-Trichloroethane	8.147	97	120694	19.788	ug/l		99
33) Carbon Tetrachloride	8.347	117	99548	19.574	ug/l		97
34) Benzene	8.588	78	291758	18.764	ug/l		97
35) Methacrylonitrile	7.759	41	64671	18.655	ug/l		95
36) 1,2-Dichloroethane	8.653	62	109196	18.592	ug/l		100
37) Trichloroethene	9.335	130	70049	20.153	ug/l		91
38) Methylcyclohexane	9.576	83	102865	19.418	ug/l		98
39) 1,2-Dichloropropane	9.606	63	75122	18.863	ug/l		99
40) Dibromomethane	9.688	93	54595	18.421	ug/l		95
41) Bromodichloromethane	9.871	83	114152	18.845	ug/l		97
42) Vinyl Acetate	6.588	43	948262	85.635	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087870.D
Acq On : 17 Sep 2025 10:55
Operator : JC\MD
Sample : VN0917WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 03:07:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.541	43	119327	17.623	ug/l		95
44) Isopropyl Acetate	8.671	43	190975	17.991	ug/l		97
45) 1,4-Dioxane	9.682	88	25037	374.007	ug/l	#	69
46) Methyl methacrylate	9.665	41	82471	16.855	ug/l		92
47) n-amyl Acetate	12.559	43	102030m	14.223	ug/l		
48) t-1,3-Dichloropropene	10.818	75	116022	18.442	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	118981	18.464	ug/l		91
50) 1,1,2-Trichloroethane	11.000	97	72265	18.879	ug/l		94
51) Ethyl methacrylate	10.853	69	106318	17.847	ug/l		97
52) 1,3-Dichloropropane	11.141	76	127768	19.222	ug/l		99
53) Dibromochloromethane	11.335	129	85737	19.976	ug/l		92
54) 1,2-Dibromoethane	11.447	107	75101	18.855	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	286029	83.801	ug/l		97
56) Bromoform	12.559	173	56526	20.167	ug/l		97
58) 4-Methyl-2-Pentanone	10.423	43	600838	94.543	ug/l		98
59) 2-Hexanone	11.176	43	383551	92.361	ug/l		96
61) Tetrachloroethene	11.082	164	60444	22.587	ug/l		91
62) Toluene	10.606	91	318841	19.612	ug/l		99
64) Chlorobenzene	11.870	112	206408	20.686	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.941	131	72178	20.546	ug/l		96
66) Ethyl Benzene	11.941	91	353748	20.169	ug/l		91
67) m/p-Xylenes	12.047	106	265828	40.829	ug/l		92
68) o-Xylene	12.376	106	127272	20.161	ug/l		99
69) Styrene	12.394	104	213549	19.464	ug/l		98
70) Isopropylbenzene	12.676	105	337517	21.086	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	114652	19.925	ug/l		98
72) 1,2,3-Trichloropropane	12.970	75	111015m	19.649	ug/l		
73) Bromobenzene	12.959	156	80238	20.489	ug/l		92
74) n-propylbenzene	13.012	91	418506	20.722	ug/l		98
75) 2-Chlorotoluene	13.106	91	246028	20.240	ug/l		96
76) 1,3,5-Trimethylbenzene	13.153	105	279014	20.642	ug/l		96
77) t-1,4-Dichloro-2-butene	12.723	75	36499	19.139	ug/l		99
78) 4-Chlorotoluene	13.200	91	248882	20.310	ug/l		98
79) tert-butylbenzene	13.417	119	246851	21.807	ug/l		95
80) 1,2,4-Trimethylbenzene	13.459	105	280072	20.211	ug/l		96
81) sec-Butylbenzene	13.594	105	357039	21.444	ug/l		96
82) p-Isopropyltoluene	13.706	119	303705	22.138	ug/l		98
83) 1,3-Dichlorobenzene	13.711	146	162789	21.562	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	164451	21.731	ug/l		99
85) n-Butylbenzene	14.035	91	290663	22.042	ug/l		99
86) Hexachloroethane	14.306	117	58197	20.885	ug/l		93
87) 1,2-Dichlorobenzene	14.082	146	154091	21.640	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	25535	19.996	ug/l		88
89) 1,2,4-Trichlorobenzene	15.811	180	88968	21.968	ug/l		98
90) Hexachlorobutadiene	15.476	225	36715	27.042	ug/l		93
91) Naphthalene	15.617	128	303214	20.336	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	88968	21.968	ug/l		98

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

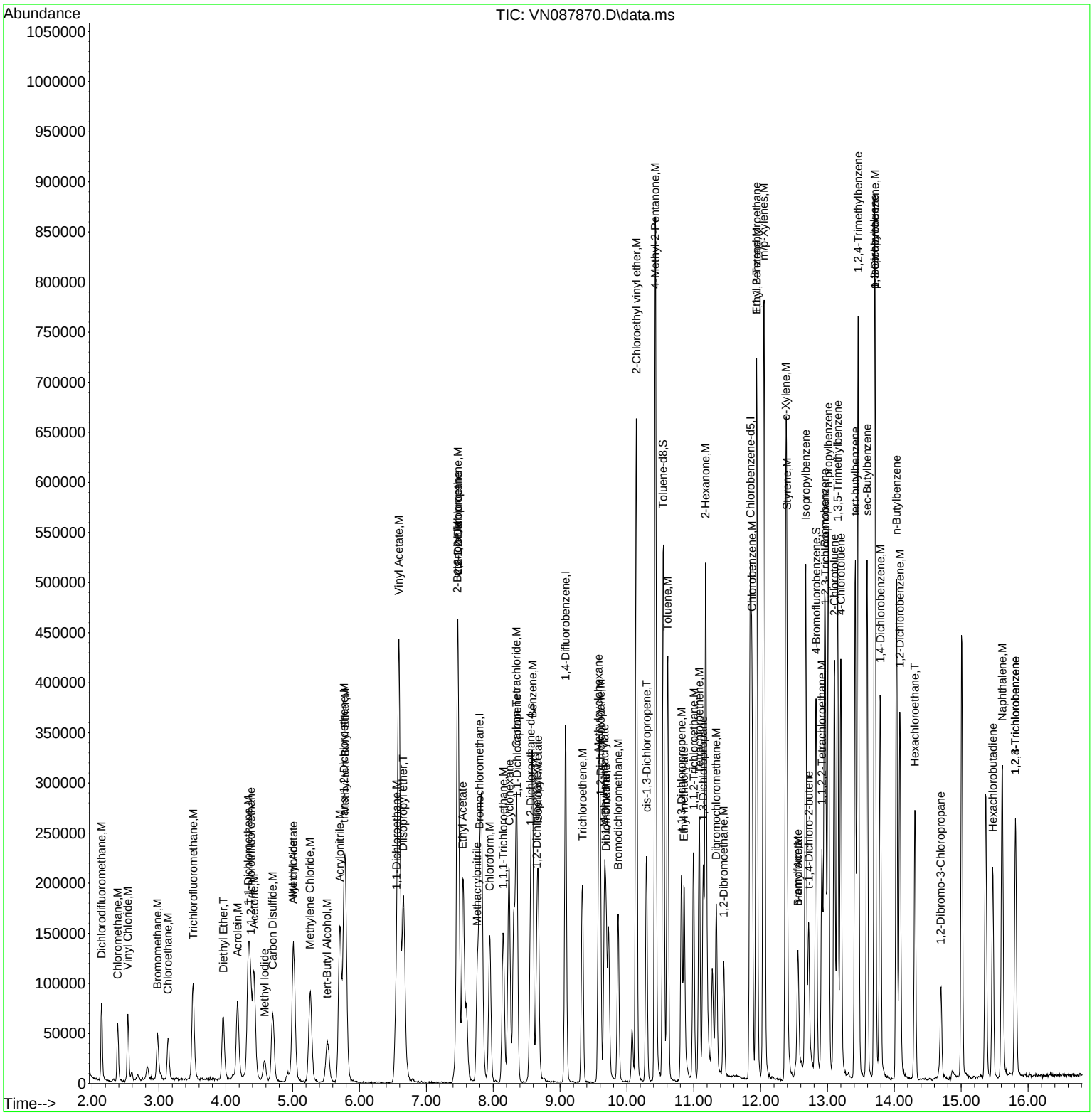
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087870.D
Acq On : 17 Sep 2025 10:55
Operator : JC\MD
Sample : VN0917WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 03:07:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Raw Data: **VN087879.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	09/12/25
Project:	PVSC Monthly 2025	Date Received:	09/12/25
Client Sample ID:	EFF-WWMS	SDG No.:	Q3098
Lab Sample ID:	Q3098-02MS	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087879.D	5	09/17/25 14:57	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	72.2		3.20	25.0	ug/L
75-01-4	Vinyl Chloride	69.7		4.20	25.0	ug/L
74-83-9	Bromomethane	66.0		4.00	25.0	ug/L
75-00-3	Chloroethane	66.3		11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	80.1		4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	70.1		3.80	25.0	ug/L
107-02-8	Acrolein	570		33.1	130	ug/L
107-13-1	Acrylonitrile	450		14.0	130	ug/L
75-09-2	Methylene Chloride	84.9		4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	85.8		4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	82.5		3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	87.2		3.70	25.0	ug/L
67-66-3	Chloroform	110		2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	89.0		3.20	25.0	ug/L
71-43-2	Benzene	83.0		2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	84.9		2.50	25.0	ug/L
79-01-6	Trichloroethene	87.3		2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	85.4		2.30	25.0	ug/L
75-27-4	Bromodichloromethane	88.8		3.20	25.0	ug/L
108-88-3	Toluene	87.2		2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	79.4		3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	77.1		3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	89.9		2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	92.9		3.30	25.0	ug/L
127-18-4	Tetrachloroethene	96.8		4.20	25.0	ug/L
108-90-7	Chlorobenzene	88.7		2.40	25.0	ug/L
100-41-4	Ethyl Benzene	82.7		2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	170		6.50	50.0	ug/L
95-47-6	o-Xylene	86.6		3.40	25.0	ug/L

Raw Data: **VN087879.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	09/12/25
Project:	PVSC Monthly 2025	Date Received:	09/12/25
Client Sample ID:	EFF-WWMS	SDG No.:	Q3098
Lab Sample ID:	Q3098-02MS	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087879.D	5	09/17/25 14:57	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	91.4		4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	94.3		2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	89.4		3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	92.0		4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	95.3		3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.1		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	29.1		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.8		63 - 112	103%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	45500	7.8			
540-36-3	1,4-Difluorobenzene	232000	9.082			
3114-55-4	Chlorobenzene-d5	209000	11.847			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087879.D
Acq On : 17 Sep 2025 14:57
Operator : JC\MD
Sample : Q3098-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 03:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	45524	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	232070	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	208954	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	109286	28.103	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 93.667%				
60) 4-Bromofluorobenzene	12.829	95	103494	30.803	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.667%				
63) Toluene-d8	10.547	98	283186	29.142	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.133%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	49851	17.619	ug/l		89
3) Chloromethane	2.383	50	42876	14.436	ug/l		98
4) Vinyl Chloride	2.542	62	46783	13.934	ug/l		98
5) Bromomethane	2.977	94	26003	13.202	ug/l		94
6) Chloroethane	3.142	64	30409	13.252	ug/l	#	83
7) Trichlorofluoromethane	3.512	101	78800	16.012	ug/l		96
8) Diethyl Ether	3.959	74	29114	14.009	ug/l		92
9) 1,1,2-Trichlorotrifluo...	4.359	101	41601	15.606	ug/l		83
10) 1,1-Dichloroethene	4.336	96	38556	14.029	ug/l		92
11) Methyl Iodide	4.589	142	20026m	10.294	ug/l		
12) Methyl Acetate	5.024	43	80079	18.902	ug/l		97
13) Acrolein	4.177	56	85844m	113.807	ug/l		
14) Acrylonitrile	5.712	53	163090	89.438	ug/l		99
15) Acetone	4.424	58	85921	151.042	ug/l		89
16) Carbon Disulfide	4.700	76	104762	13.884	ug/l	#	88
17) Allyl chloride	5.018	41	63947	14.246	ug/l		88
18) Methylene Chloride	5.259	84	52838	16.973	ug/l		96
19) trans-1,2-Dichloroethene	5.771	96	48097	17.160	ug/l		95
20) Diisopropyl ether	6.659	45	165607	16.043	ug/l	#	95
21) 1,1-Dichloroethane	6.559	63	93255	16.497	ug/l	#	91
22) cis-1,2-Dichloroethene	7.477	96	58302	17.137	ug/l		97
23) tert-Butyl Alcohol	5.530	59	69357	107.597	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	163958	16.711	ug/l		99
25) Chloroform	7.947	83	130054	21.980	ug/l		98
26) Cyclohexane	8.235	56	64088	14.887	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	62401	16.545	ug/l		97
30) 2-Butanone	7.471	43	241803	93.069	ug/l		99
31) 2,2-Dichloropropane	7.477	77	76087	16.735	ug/l		96
32) 1,1,1-Trichloroethane	8.153	97	85149	17.808	ug/l		97
33) Carbon Tetrachloride	8.347	117	69494	17.431	ug/l		98
34) Benzene	8.588	78	202328	16.599	ug/l		96
35) Methacrylonitrile	7.765	41	47337	17.419	ug/l		92
36) 1,2-Dichloroethane	8.653	62	78195	16.983	ug/l		100
37) Trichloroethene	9.335	130	47588	17.465	ug/l		99
38) Methylcyclohexane	9.582	83	59332	14.287	ug/l		99
39) 1,2-Dichloropropane	9.600	63	53304	17.074	ug/l		97
40) Dibromomethane	9.688	93	40244	17.322	ug/l		95
41) Bromodichloromethane	9.871	83	84373	17.768	ug/l		92
42) Vinyl Acetate	6.594	43	677278	78.020	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087879.D
Acq On : 17 Sep 2025 14:57
Operator : JC\MD
Sample : Q3098-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 03:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	83583	15.746	ug/l	#	81
44) Isopropyl Acetate	8.677	43	139543	16.769	ug/l	#	83
45) 1,4-Dioxane	9.682	88	21989	419.008	ug/l		90
46) Methyl methacrylate	9.665	41	59773	15.583	ug/l		97
47) n-amyl Acetate	12.576	43	97534m	17.344	ug/l		
48) t-1,3-Dichloropropene	10.818	75	78360	15.888	ug/l		92
49) cis-1,3-Dichloropropene	10.294	75	77884	15.418	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	53970	17.985	ug/l		94
51) Ethyl methacrylate	10.859	69	70558	15.109	ug/l		96
52) 1,3-Dichloropropane	11.141	76	87531	16.798	ug/l		99
53) Dibromochloromethane	11.335	129	62518	18.581	ug/l		92
54) 1,2-Dibromoethane	11.447	107	55705	17.840	ug/l		98
56) Bromoform	12.553	173	40163	18.279	ug/l		95
58) 4-Methyl-2-Pentanone	10.424	43	452617	91.610	ug/l		99
59) 2-Hexanone	11.176	43	279671	86.627	ug/l		96
61) Tetrachloroethene	11.082	164	40268	19.356	ug/l		86
62) Toluene	10.612	91	220515	17.447	ug/l		100
64) Chlorobenzene	11.870	112	137611	17.739	ug/l		96
65) 1,1,1,2-Tetrachloroethane	11.941	131	51649	18.911	ug/l		96
66) Ethyl Benzene	11.941	91	225613	16.546	ug/l		93
67) m/p-Xylenes	12.047	106	173887	34.354	ug/l		93
68) o-Xylene	12.376	106	84953	17.310	ug/l		99
69) Styrene	12.388	104	142012	16.649	ug/l		99
70) Isopropylbenzene	12.676	105	213028	17.119	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.917	83	84382	18.862	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	82331m	18.744	ug/l		
73) Bromobenzene	12.959	156	57127	18.764	ug/l		90
74) n-propylbenzene	13.012	91	255916	16.299	ug/l		99
75) 2-Chlorotoluene	13.100	91	158031	16.723	ug/l		94
76) 1,3,5-Trimethylbenzene	13.147	105	171519	16.322	ug/l		95
77) t-1,4-Dichloro-2-butene	12.717	75	25675	17.318	ug/l		86
78) 4-Chlorotoluene	13.200	91	160921	16.891	ug/l		99
79) tert-butylbenzene	13.412	119	143062	16.256	ug/l		96
80) 1,2,4-Trimethylbenzene	13.459	105	174202	16.170	ug/l		98
81) sec-Butylbenzene	13.594	105	205366	15.865	ug/l		98
82) p-Isopropyltoluene	13.706	119	171685	16.098	ug/l		97
83) 1,3-Dichlorobenzene	13.712	146	104954	17.881	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	108302	18.408	ug/l		96
85) n-Butylbenzene	14.035	91	162115	15.813	ug/l		98
86) Hexachloroethane	14.306	117	34341	15.852	ug/l		91
87) 1,2-Dichlorobenzene	14.082	146	105462	19.051	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	19722	19.866	ug/l	#	84
89) 1,2,4-Trichlorobenzene	15.811	180	53730	17.065	ug/l		90
90) Hexachlorobutadiene	15.476	225	22695	21.501	ug/l		93
91) Naphthalene	15.617	128	216085	18.642	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	53730	17.065	ug/l		90

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

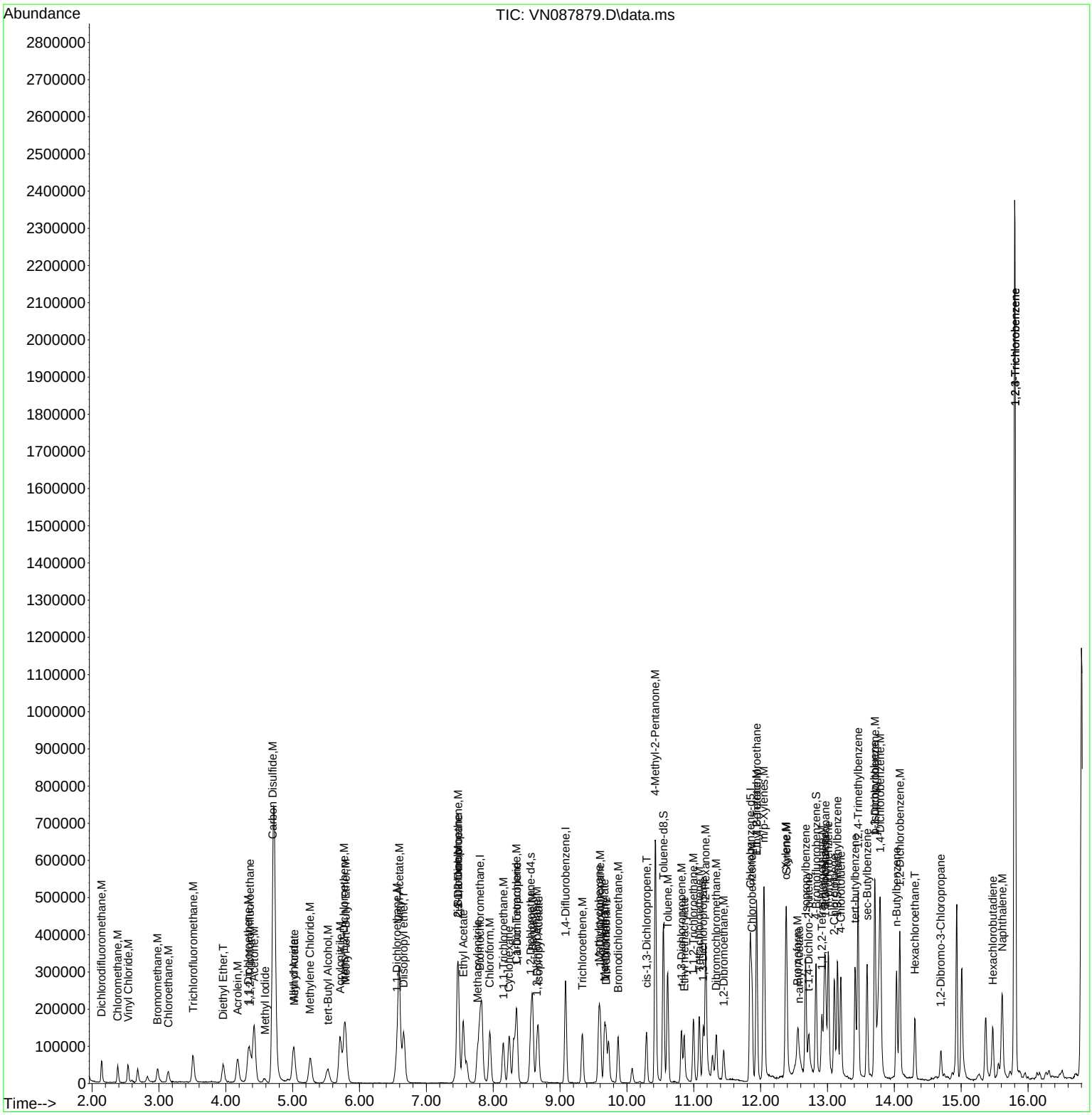
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087879.D
Acq On : 17 Sep 2025 14:57
Operator : JC\MD
Sample : Q3098-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 03:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	09/12/25
Project:	PVSC Monthly 2025	Date Received:	09/12/25
Client Sample ID:	EFF-WWMSD	SDG No.:	Q3098
Lab Sample ID:	Q3098-03MSD	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087880.D	5	09/17/25 15:18	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	85.9		3.20	25.0	ug/L
75-01-4	Vinyl Chloride	82.8		4.20	25.0	ug/L
74-83-9	Bromomethane	78.3		4.00	25.0	ug/L
75-00-3	Chloroethane	78.6		11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	94.2		4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	90.5		3.80	25.0	ug/L
107-02-8	Acrolein	670		33.1	130	ug/L
107-13-1	Acrylonitrile	500		14.0	130	ug/L
75-09-2	Methylene Chloride	97.5		4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	97.9		4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	98.9		3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	100		3.70	25.0	ug/L
67-66-3	Chloroform	120		2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	100		3.20	25.0	ug/L
71-43-2	Benzene	94.7		2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	91.3		2.50	25.0	ug/L
79-01-6	Trichloroethene	100		2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	92.3		2.30	25.0	ug/L
75-27-4	Bromodichloromethane	98.3		3.20	25.0	ug/L
108-88-3	Toluene	94.7		2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	89.4		3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	89.4		3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	100		2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	98.8		3.30	25.0	ug/L
127-18-4	Tetrachloroethene	100		4.20	25.0	ug/L
108-90-7	Chlorobenzene	98.0		2.40	25.0	ug/L
100-41-4	Ethyl Benzene	93.0		2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	200		6.50	50.0	ug/L
95-47-6	o-Xylene	96.2		3.40	25.0	ug/L

Raw Data: **VN087880.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	09/12/25
Project:	PVSC Monthly 2025	Date Received:	09/12/25
Client Sample ID:	EFF-WWMSD	SDG No.:	Q3098
Lab Sample ID:	Q3098-03MSD	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087880.D	5	09/17/25 15:18	VN091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	99.6		4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	99.5		2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	100		3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	100		4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	100		3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.2		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	28.8		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.9		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	50300	7.794			
540-36-3	1,4-Difluorobenzene	267000	9.083			
3114-55-4	Chlorobenzene-d5	246000	11.847			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087880.D
Acq On : 17 Sep 2025 15:18
Operator : JC\MD
Sample : Q3098-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 03:12:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone

09/18/2025
Supervised By :Mahesh Dadoda

09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	50263	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	267467	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	245997	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	120981	28.177	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 93.933%				
60) 4-Bromofluorobenzene	12.829	95	114284	28.893	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.300%				
63) Toluene-d8	10.547	98	329637	28.814	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	66326	21.232	ug/l		94
3) Chloromethane	2.383	50	56310	17.171	ug/l		99
4) Vinyl Chloride	2.536	62	61380	16.558	ug/l		95
5) Bromomethane	2.977	94	34052	15.658	ug/l		96
6) Chloroethane	3.142	64	39849	15.728	ug/l	#	80
7) Trichlorofluoromethane	3.506	101	102393	18.844	ug/l		92
8) Diethyl Ether	3.959	74	34136	14.877	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.365	101	56001	19.028	ug/l		95
10) 1,1-Dichloroethene	4.336	96	54898	18.092	ug/l		87
11) Methyl Iodide	4.583	142	30213	14.066	ug/l		88
12) Methyl Acetate	5.012	43	99186	21.205	ug/l	#	90
13) Acrolein	4.171	56	111733	134.163	ug/l	#	41
14) Acrylonitrile	5.712	53	202752	100.705	ug/l		98
15) Acetone	4.430	58	97606	155.406	ug/l		94
16) Carbon Disulfide	4.706	76	140289	16.839	ug/l	#	96
17) Allyl chloride	5.012	41	91975	18.558	ug/l		88
18) Methylene Chloride	5.259	84	66990	19.490	ug/l		88
19) trans-1,2-Dichloroethene	5.783	96	60582	19.576	ug/l		97
20) Diisopropyl ether	6.653	45	209067	18.344	ug/l		95
21) 1,1-Dichloroethane	6.553	63	123424	19.776	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	74188	19.750	ug/l		99
23) tert-Butyl Alcohol	5.530	59	82861	116.426	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	213911	19.746	ug/l		99
25) Chloroform	7.947	83	161620	24.739	ug/l		99
26) Cyclohexane	8.241	56	82218	17.298	ug/l	#	91
29) 1,1-Dichloropropene	8.353	75	81418	18.730	ug/l		97
30) 2-Butanone	7.471	43	295870	98.808	ug/l		99
31) 2,2-Dichloropropane	7.471	77	99599	19.008	ug/l	#	78
32) 1,1,1-Trichloroethane	8.153	97	112002	20.324	ug/l		97
33) Carbon Tetrachloride	8.341	117	92270	20.081	ug/l		98
34) Benzene	8.588	78	266187	18.948	ug/l		95
35) Methacrylonitrile	7.765	41	56022	17.886	ug/l		88
36) 1,2-Dichloroethane	8.653	62	96944	18.269	ug/l		100
37) Trichloroethene	9.335	130	63051	20.077	ug/l		82
38) Methylcyclohexane	9.583	83	79652	16.642	ug/l		98
39) 1,2-Dichloropropane	9.600	63	66454	18.469	ug/l		92
40) Dibromomethane	9.694	93	52797	19.717	ug/l		97
41) Bromodichloromethane	9.865	83	107603	19.661	ug/l		100
42) Vinyl Acetate	6.589	43	874343	87.392	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087880.D
Acq On : 17 Sep 2025 15:18
Operator : JC\MD
Sample : Q3098-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 03:12:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	114160	18.660	ug/l		98
44) Isopropyl Acetate	8.677	43	174190	18.162	ug/l		99
45) 1,4-Dioxane	9.683	88	25610	423.424	ug/l		94
46) Methyl methacrylate	9.665	41	82205	18.595	ug/l		99
47) n-amyl Acetate	12.565	43	111257m	17.166	ug/l		
48) t-1,3-Dichloropropene	10.818	75	101642	17.881	ug/l		94
49) cis-1,3-Dichloropropene	10.294	75	104063	17.874	ug/l	#	87
50) 1,1,2-Trichloroethane	10.994	97	69888	20.208	ug/l	#	91
51) Ethyl methacrylate	10.859	69	97913	18.191	ug/l		97
52) 1,3-Dichloropropane	11.141	76	116949	19.473	ug/l		99
53) Dibromochloromethane	11.335	129	76633	19.762	ug/l		90
54) 1,2-Dibromoethane	11.447	107	71008	19.731	ug/l		100
56) Bromoform	12.559	173	50459	19.925	ug/l		98
58) 4-Methyl-2-Pentanone	10.424	43	570180	98.027	ug/l		98
59) 2-Hexanone	11.177	43	364022	95.776	ug/l		97
61) Tetrachloroethene	11.082	164	49494	20.208	ug/l		97
62) Toluene	10.612	91	281866	18.943	ug/l		100
64) Chlorobenzene	11.871	112	178909	19.590	ug/l		91
65) 1,1,1,2-Tetrachloroethane	11.935	131	64249	19.982	ug/l		98
66) Ethyl Benzene	11.941	91	298676	18.606	ug/l		95
67) m/p-Xylenes	12.047	106	232789	39.066	ug/l		91
68) o-Xylene	12.376	106	111139	19.236	ug/l		96
69) Styrene	12.394	104	192210	19.141	ug/l		98
70) Isopropylbenzene	12.671	105	280125	19.121	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.912	83	104825	19.904	ug/l		98
72) 1,2,3-Trichloropropane	12.976	75	98517m	19.051	ug/l		
73) Bromobenzene	12.959	156	71960	20.077	ug/l		90
74) n-propylbenzene	13.012	91	344863	18.657	ug/l		98
75) 2-Chlorotoluene	13.106	91	203014	18.248	ug/l		92
76) 1,3,5-Trimethylbenzene	13.153	105	229923	18.585	ug/l		95
77) t-1,4-Dichloro-2-butene	12.718	75	35777	20.498	ug/l		97
78) 4-Chlorotoluene	13.200	91	203348	18.131	ug/l		95
79) tert-butylbenzene	13.418	119	199634	19.269	ug/l		94
80) 1,2,4-Trimethylbenzene	13.459	105	229662	18.107	ug/l		96
81) sec-Butylbenzene	13.594	105	278947	18.305	ug/l		97
82) p-Isopropyltoluene	13.706	119	233655	18.609	ug/l		97
83) 1,3-Dichlorobenzene	13.712	146	139393	20.172	ug/l		97
84) 1,4-Dichlorobenzene	13.788	146	143837	20.767	ug/l		99
85) n-Butylbenzene	14.035	91	222821	18.462	ug/l		98
86) Hexachloroethane	14.306	117	45816	17.965	ug/l		88
87) 1,2-Dichlorobenzene	14.082	146	134295	20.606	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	24068	20.593	ug/l		85
89) 1,2,4-Trichlorobenzene	15.812	180	72746	19.625	ug/l		95
90) Hexachlorobutadiene	15.476	225	30240	24.335	ug/l		88
91) Naphthalene	15.612	128	259275	19.000	ug/l		98
92) 1,2,3-Trichlorobenzene	15.812	180	72746	19.625	ug/l		95

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087880.D
Acq On : 17 Sep 2025 15:18
Operator : JC\MD
Sample : Q3098-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 03:12:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

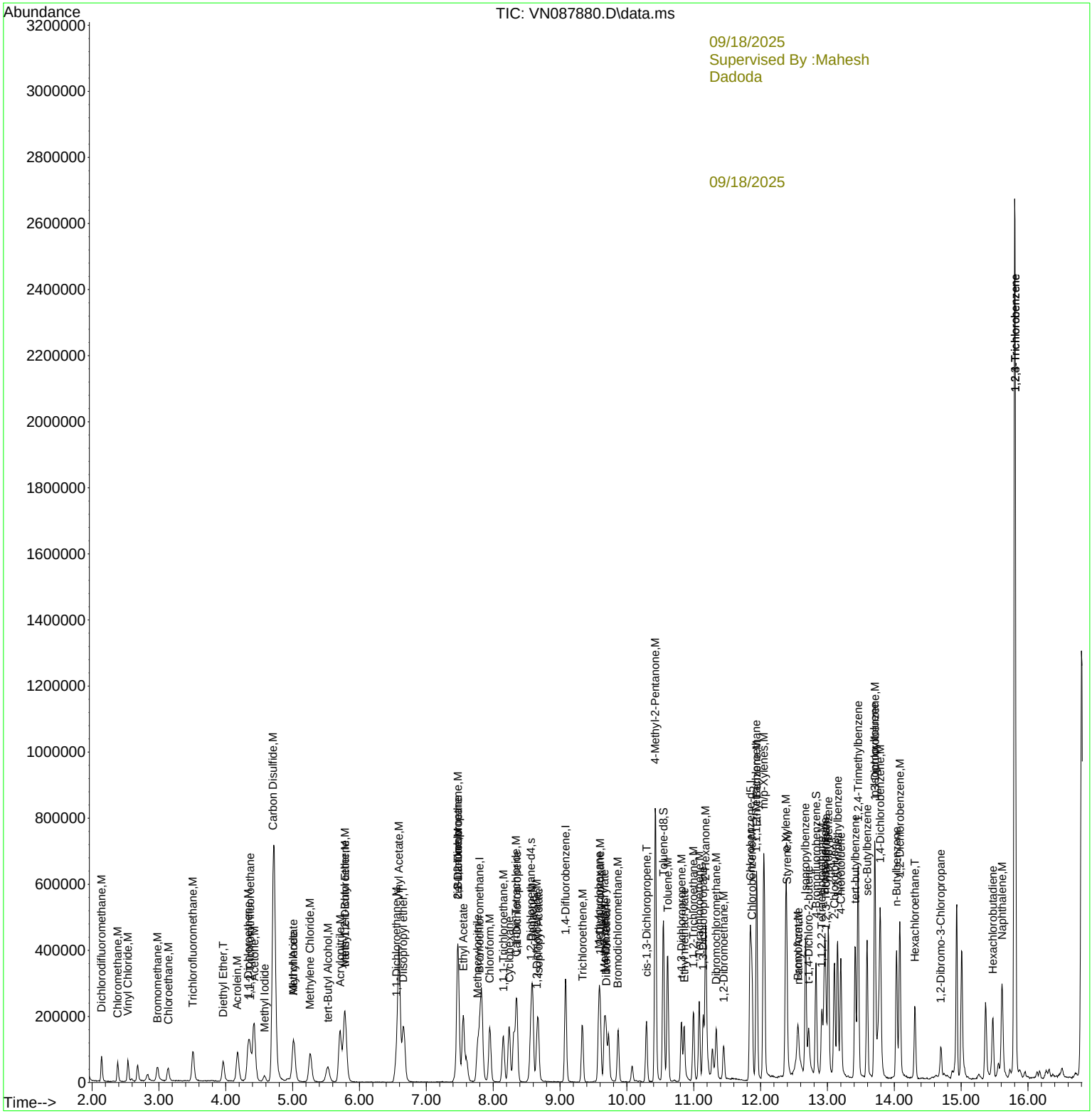
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone

09/18/2025
Supervised By :Mahesh Dadoda

09/18/2025



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

Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087714.D	1,2,3-Trichloropropane	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	Acetone	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	Allyl chloride	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	n-amyl Acetate	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	n-amyl Acetate	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	tert-Butyl Alcohol	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,1,2-Trichlorotrifluoroethane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,2-Dibromo-3-Chloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	2,2-Dichloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Acetone	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Allyl chloride	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087725.D	Diethyl Ether	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl Iodide	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl methacrylate	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl tert-Butyl Ether	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	n-amyl Acetate	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	tert-Butyl Alcohol	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	trans-1,2-Dichloroethene	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	Acrylonitrile	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	n-amyl Acetate	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	trans-1,2-Dichloroethene	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICC050	VN087727.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:26 PM	MMDadoda	9/5/2025 2:56:24 PM	Peak Integrated by Software
VSTDICC050	VN087727.D	n-amyl Acetate	sam	9/5/2025 1:46:26 PM	MMDadoda	9/5/2025 2:56:24 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087728.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC100	VN087728.D	Acrolein	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC100	VN087728.D	n-amyl Acetate	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	Acrolein	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	Carbon Disulfide	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	n-amyl Acetate	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	Acrolein	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	Methyl Iodide	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	n-amyl Acetate	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087869.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:16:06 AM	MMDadoda	9/18/2025 3:25:08 PM	Peak Integrated by Software
VSTDCCC020	VN087869.D	Allyl chloride	JOHN	9/18/2025 8:16:06 AM	MMDadoda	9/18/2025 3:25:08 PM	Peak Integrated by Software
VSTDCCC020	VN087869.D	Ethyl Benzene	JOHN	9/18/2025 8:16:06 AM	MMDadoda	9/18/2025 3:25:08 PM	Peak Integrated by Software
VSTDCCC020	VN087869.D	n-amyl Acetate	JOHN	9/18/2025 8:16:06 AM	MMDadoda	9/18/2025 3:25:08 PM	Peak Integrated by Software
VSTDCCC020	VN087869.D	t-1,4-Dichloro-2-butene	JOHN	9/18/2025 8:16:06 AM	MMDadoda	9/18/2025 3:25:08 PM	Peak Integrated by Software
VN0917WBS01	VN087870.D	1,1,2-Trichlorotrifluoroethane	JOHN	9/18/2025 8:16:10 AM	MMDadoda	9/18/2025 3:25:10 PM	Peak Integrated by Software
VN0917WBS01	VN087870.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:16:10 AM	MMDadoda	9/18/2025 3:25:10 PM	Peak Integrated by Software
VN0917WBS01	VN087870.D	Acrolein	JOHN	9/18/2025 8:16:10 AM	MMDadoda	9/18/2025 3:25:10 PM	Peak Integrated by Software
VN0917WBS01	VN087870.D	Methylene Chloride	JOHN	9/18/2025 8:16:10 AM	MMDadoda	9/18/2025 3:25:10 PM	Peak Integrated by Software
VN0917WBS01	VN087870.D	n-amyl Acetate	JOHN	9/18/2025 8:16:10 AM	MMDadoda	9/18/2025 3:25:10 PM	Peak Integrated by Software
Q3098-02MS	VN087879.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:16:26 AM	MMDadoda	9/18/2025 3:25:12 PM	Peak Integrated by Software
Q3098-02MS	VN087879.D	Acrolein	JOHN	9/18/2025 8:16:26 AM	MMDadoda	9/18/2025 3:25:12 PM	Peak Integrated by Software
Q3098-02MS	VN087879.D	Methyl Iodide	JOHN	9/18/2025 8:16:26 AM	MMDadoda	9/18/2025 3:25:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN091725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3098-02MS	VN087879.D	n-amyl Acetate	JOHN	9/18/2025 8:16:26 AM	MMDadoda	9/18/2025 3:25:12 PM	Peak Integrated by Software
Q3098-03MSD	VN087880.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:16:31 AM	MMDadoda	9/18/2025 3:25:14 PM	Peak Integrated by Software
Q3098-03MSD	VN087880.D	n-amyl Acetate	JOHN	9/18/2025 8:16:31 AM	MMDadoda	9/18/2025 3:25:14 PM	Peak Integrated by Software
Q3098-01	VN087882.D	Acetone	JOHN	9/18/2025 8:16:36 AM	MMDadoda	9/18/2025 3:25:17 PM	Peak Integrated by Software
VSTDCCC020	VN087883.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:16:41 AM	MMDadoda	9/18/2025 3:25:18 PM	Peak Integrated by Software
VSTDCCC020	VN087883.D	Acrolein	JOHN	9/18/2025 8:16:41 AM	MMDadoda	9/18/2025 3:25:18 PM	Peak Integrated by Software
VSTDCCC020	VN087883.D	n-amyl Acetate	JOHN	9/18/2025 8:16:41 AM	MMDadoda	9/18/2025 3:25:18 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087713.D	04 Sep 2025 10:10	JC\MD	Ok
2	VSTDCCC020	VN087714.D	04 Sep 2025 10:54	JC\MD	Ok,M
3	VN0904WBS01	VN087715.D	04 Sep 2025 12:04	JC\MD	Ok,M
4	VN0904WBSD01	VN087716.D	04 Sep 2025 12:38	JC\MD	Ok,M
5	VN0904WBL01	VN087717.D	04 Sep 2025 12:59	JC\MD	Ok
6	Q3017-01	VN087718.D	04 Sep 2025 13:35	JC\MD	Ok
7	Q3017-02	VN087719.D	04 Sep 2025 13:56	JC\MD	Ok
8	Q3017-04	VN087720.D	04 Sep 2025 14:16	JC\MD	Ok
9	Q3017-05	VN087721.D	04 Sep 2025 14:37	JC\MD	Ok
10	Q3017-03	VN087722.D	04 Sep 2025 14:58	JC\MD	Ok
11	VSTDCCC020	VN087723.D	04 Sep 2025 15:21	JC\MD	Ok,M
12	BLK	VN087724.D	04 Sep 2025 15:41	JC\MD	Ok
13	VSTDICC005	VN087725.D	04 Sep 2025 16:23	JC\MD	Ok,M
14	VSTDICCC020	VN087726.D	04 Sep 2025 16:44	JC\MD	Ok,M
15	VSTDICC050	VN087727.D	04 Sep 2025 17:05	JC\MD	Ok,M
16	VSTDICC100	VN087728.D	04 Sep 2025 17:25	JC\MD	Ok,M
17	VSTDICC150	VN087729.D	04 Sep 2025 17:46	JC\MD	Ok,M
18	IBLK	VN087730.D	04 Sep 2025 18:07	JC\MD	Ok
19	VSTDICV020	VN087731.D	04 Sep 2025 18:28	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091725

Review By	John Carlone	Review On	9/18/2025 8:19:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:25:32 PM		
SubDirectory	VN091725	HP Acquire Method		HP Processing Method	624N090425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135514
Initial Calibration Stds	
CCC	VP135515,VP135516
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087868.D	17 Sep 2025 08:24	JC\MD	Ok
2	VSTDCCC020	VN087869.D	17 Sep 2025 09:42	JC\MD	Ok,M
3	VN0917WBS01	VN087870.D	17 Sep 2025 10:55	JC\MD	Ok,M
4	VN0917WBSD01	VN087871.D	17 Sep 2025 11:30	JC\MD	Ok,M
5	VN0917WBL01	VN087872.D	17 Sep 2025 12:03	JC\MD	Ok
6	Q3015-02	VN087873.D	17 Sep 2025 12:38	JC\MD	Ok
7	IBLK	VN087874.D	17 Sep 2025 13:11	JC\MD	Ok
8	Q3120-01	VN087875.D	17 Sep 2025 13:32	JC\MD	Ok
9	Q3120-02	VN087876.D	17 Sep 2025 13:53	JC\MD	Ok,M
10	IBLK	VN087877.D	17 Sep 2025 14:14	JC\MD	Ok
11	Q3098-01	VN087878.D	17 Sep 2025 14:35	JC\MD	ReRun
12	Q3098-02MS	VN087879.D	17 Sep 2025 14:57	JC\MD	Ok,M
13	Q3098-03MSD	VN087880.D	17 Sep 2025 15:18	JC\MD	Ok,M
14	IBLK	VN087881.D	17 Sep 2025 15:39	JC\MD	Ok
15	Q3098-01	VN087882.D	17 Sep 2025 16:00	JC\MD	Ok,M
16	VSTDCCC020	VN087883.D	17 Sep 2025 16:21	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087713.D	04 Sep 2025 10:10		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087714.D	04 Sep 2025 10:54		JC\MD	Ok,M
3	VN0904WBS01	VN0904WBS01	VN087715.D	04 Sep 2025 12:04		JC\MD	Ok,M
4	VN0904WBSD01	VN0904WBSD01	VN087716.D	04 Sep 2025 12:38		JC\MD	Ok,M
5	VN0904WBL01	VN0904WBL01	VN087717.D	04 Sep 2025 12:59		JC\MD	Ok
6	Q3017-01	BP-TB-20250903	VN087718.D	04 Sep 2025 13:35	vial A pH<2 TB	JC\MD	Ok
7	Q3017-02	TT-076-IDWGW-20250	VN087719.D	04 Sep 2025 13:56	vial A+B pH<2	JC\MD	Ok
8	Q3017-04	TT-078-IDWGW-20250	VN087720.D	04 Sep 2025 14:16	vial A+B pH<2	JC\MD	Ok
9	Q3017-05	TT-079-IDWGW-20250	VN087721.D	04 Sep 2025 14:37	vial A+B pH<2	JC\MD	Ok
10	Q3017-03	TT-077-IDWGW-20250	VN087722.D	04 Sep 2025 14:58	vial A+B pH<2	JC\MD	Ok
11	VSTDCCC020	VSTDCCC020EC	VN087723.D	04 Sep 2025 15:21		JC\MD	Ok,M
12	BLK	BLK	VN087724.D	04 Sep 2025 15:41		JC\MD	Ok
13	VSTDICC005	VSTDICC005	VN087725.D	04 Sep 2025 16:23		JC\MD	Ok,M
14	VSTDICCC020	VSTDICCC020	VN087726.D	04 Sep 2025 16:44		JC\MD	Ok,M
15	VSTDICC050	VSTDICC050	VN087727.D	04 Sep 2025 17:05		JC\MD	Ok,M
16	VSTDICC100	VSTDICC100	VN087728.D	04 Sep 2025 17:25		JC\MD	Ok,M
17	VSTDICC150	VSTDICC150	VN087729.D	04 Sep 2025 17:46		JC\MD	Ok,M
18	IBLK	IBLK	VN087730.D	04 Sep 2025 18:07		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDICV020	ICVVN090425	VN087731.D	04 Sep 2025 18:28		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091725

Review By	John Carlone	Review On	9/18/2025 8:19:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:25:32 PM		
SubDirectory	VN091725	HP Acquire Method		HP Processing Method	624N090425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135514
Initial Calibration Stds	
CCC	VP135515,VP135516
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	VN087868.D	17 Sep 2025 08:24		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087869.D	17 Sep 2025 09:42	pH#Lot#V12668	JC\MD	Ok,M
3	VN0917WBS01	VN0917WBS01	VN087870.D	17 Sep 2025 10:55		JC\MD	Ok,M
4	VN0917WBSD01	VN0917WBSD01	VN087871.D	17 Sep 2025 11:30		JC\MD	Ok,M
5	VN0917WBL01	VN0917WBL01	VN087872.D	17 Sep 2025 12:03		JC\MD	Ok
6	Q3015-02	WP0925-PT-VOA-WP	VN087873.D	17 Sep 2025 12:38		JC\MD	Ok
7	IBLK	IBLK	VN087874.D	17 Sep 2025 13:11		JC\MD	Ok
8	Q3120-01	OUTFALL-DSN-001	VN087875.D	17 Sep 2025 13:32	vial A pH<2	JC\MD	Ok
9	Q3120-02	OUTFALL-DSN-002	VN087876.D	17 Sep 2025 13:53	vial A pH<2	JC\MD	Ok,M
10	IBLK	IBLK	VN087877.D	17 Sep 2025 14:14		JC\MD	Ok
11	Q3098-01	EFF-WW	VN087878.D	17 Sep 2025 14:35	vial A pH<2 Surrogate fail	JC\MD	ReRun
12	Q3098-02MS	EFF-WWMS	VN087879.D	17 Sep 2025 14:57	vial A pH<2	JC\MD	Ok,M
13	Q3098-03MSD	EFF-WWMSD	VN087880.D	17 Sep 2025 15:18	vial A pH<2	JC\MD	Ok,M
14	IBLK	IBLK	VN087881.D	17 Sep 2025 15:39		JC\MD	Ok
15	Q3098-01	EFF-WW	VN087882.D	17 Sep 2025 16:00	vial B pH<2	JC\MD	Ok,M
16	VSTDCCC020	VSTDCCC020EC	VN087883.D	17 Sep 2025 16:21		JC\MD	Ok,M

M : Manual Integration

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. Q3098
COC Number 2045908

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: ARDMORE
ADDRESS: 29 RIVERSIDE AVE BLG #14
CITY Newark NJ STATE: ZIP: 07104
ATTENTION: MIKE SHANAHAN
PHONE: 973 481 2406 FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOA 2: C-N 3: 8260 4: BOD/TSS 5: METALS 6: 7: 8: 9:

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.	WASTE WATER	WW		X	9/12/25	2:00 PM		X	X								
2.	WASTE WATER	WW	X		9/12/25	2:00 PM				X	X	X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← 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. [signature]	9/12/25 2:00	1. [signature]
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.9°C °C
Comments: METALS LEAD, ZINC, COPPER, MERCURY CADMIUM, NICKEL

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3098 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 9/12/2025 3:10:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 9/12/2025 3:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : NONE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3098-01	EFF-WW	Water	09/12/2025	14:00					
					VOC-PP		624.1		10 Bus. Days
Q3098-02	Q3098-01MS	Water	09/12/2025	14:00					
					VOC-PP		624.1		10 Bus. Days
Q3098-03	Q3098-01MSD	Water	09/12/2025	14:00					
					VOC-PP		624.1		10 Bus. Days

Relinguished By :
Date / Time : 9/12/25 1525

Received By :
Date / Time : 09/12/25 15:25

R & H 5

Storage Area : VOA Refridgerator Room