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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2201

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q2201

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : JACOBS Engineering Group, Inc.

Project Location : Princeton Junction

Project Number : D3868221

Laboratory Sample ID(s) : Q2201

Sampling Date(s) : 6/03/2025

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

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

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

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Cover Page

Order ID : Q2201

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2201-01	MW-01-6.5-060325

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

Signature : _____ Date: 6/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2201
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
1 Water sample was received on 06/03/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2201

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

QA Review Signature: SOHIL JODHANI **Date:** 06/07/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2201

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-01-6.5-060325**							
Q2201-01	MW-01-6.5-060325	Water	cis-1,2-Dichloroethene	4.40		0.19	1.00	ug/L
Q2201-01	MW-01-6.5-060325	Water	Trichloroethene	34.7		0.090	1.00	ug/L
			Total Voc :	39.1				
			Total Concentration:	39.1				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-01-6.5-060325	SDG No.:	Q2201
Lab Sample ID:	Q2201-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046505.D	1		06/04/25 17:01	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.40		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	34.7		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62500	5.55			
540-36-3	1,4-Difluorobenzene	123000	6.763			
3114-55-4	Chlorobenzene-d5	114000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48800	12.018			

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2201

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2201-01	MW-01-6.5-060325	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
VX0604WBL01	VX0604WBL01	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
VX0604WBS01	VX0604WBS01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	47.3	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
VX0604WBSD0	VX0604WBSD01	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2201

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0604WBS01	Vinyl chloride	20	15.5	ug/L	78			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.2	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.6	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			70 (80)	130 (108)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2201

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0604WBSD01	Vinyl chloride	20	18.8	ug/L	94	19		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	20.3	ug/L	102	17		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	22.2	ug/L	111	12		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	22.0	ug/L	110	12		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	22.5	ug/L	113	15		70 (80)	130 (108)	20 (20)
	Benzene	20	21.4	ug/L	107	14		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.6	ug/L	108	9		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.3	ug/L	106	14		70 (77)	130 (113)	20 (20)
	1,1,2-Trichloroethane	20	22.2	ug/L	111	7		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	20.6	ug/L	103	8		70 (67)	130 (123)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0604WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG NO.: Q2201

Lab File ID: VX046490.D Lab Sample ID: VX0604WBL01

Date Analyzed: 06/04/2025 Time Analyzed: 11:04

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025
MW-01-6.5-060325	Q2201-01	VX046505.D	06/04/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG NO.: Q2201

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG NO.: Q2201

Lab File ID: VX046487.D BFB Injection Date: 06/04/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:43

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	4.8 (7) 1
176	95.0 - 101.0% of mass 174	67.2 (98.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046488.D	06/04/2025	10:12
VX0604WBL01	VX0604WBL01	VX046490.D	06/04/2025	11:04
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025	11:27
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025	13:52
MW-01-6.5-060325	Q2201-01	VX046505.D	06/04/2025	17:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG NO.: Q2201

Lab File ID: VX046488.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:12

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	97475	5.54	165033	6.75	141151	10.05
UPPER LIMIT	194950	6.043	330066	7.25	282302	10.549
LOWER LIMIT	48737.5	5.043	82516.5	6.25	70575.5	9.549
EPA SAMPLE NO.						
MW-01-6.5-060325	62450	5.55	122833	6.76	114448	10.06
VX0604WBL01	69580	5.55	139946	6.76	133992	10.05
VX0604WBS01	92897	5.54	164481	6.76	139452	10.05
VX0604WBSD01	84483	5.55	152834	6.76	133225	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG NO.: Q2201

Lab File ID: VX046488.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:12

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

	IS4 AREA #	RT #				
12 HOUR STD	69016	12.018				
UPPER LIMIT	138032	12.518				
LOWER LIMIT	34508	11.518				
EPA SAMPLE NO.						
MW-01-6.5-060325	48812	12.02				
VX0604WBL01	59967	12.02				
VX0604WBS01	63937	12.02				
VX0604WBSD01	62838	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0604WBL01	SDG No.:	Q2201
Lab Sample ID:	VX0604WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046490.D	1		06/04/25 11:04	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69600	5.55			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	134000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	60000	12.018			

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

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0604WBS01	SDG No.:	Q2201
Lab Sample ID:	VX0604WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046491.D	1		06/04/25 11:27	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.3		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92900	5.544			
540-36-3	1,4-Difluorobenzene	164000	6.757			
3114-55-4	Chlorobenzene-d5	139000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63900	12.018			

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0604WBSD01	SDG No.:	Q2201
Lab Sample ID:	VX0604WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046497.D	1		06/04/25 13:52	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	22.2		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.0		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.5		0.20	1.00	ug/L
71-43-2	Benzene	21.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.3		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84500	5.55			
540-36-3	1,4-Difluorobenzene	153000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	62800	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG No.: Q2201

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2201 SAS No.: Q2201 SDG No.: Q2201

Instrument ID: MSVOA_X Calibration Date/Time: 06/04/2025 10:12

Lab File ID: VX046488.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.691	0.665		-3.76	20
1,1-Dichloroethene	0.593	0.593		0	20
1,1-Dichloroethane	1.219	1.302	0.1	6.81	20
cis-1,2-Dichloroethene	0.718	0.747		4.04	20
1,1,1-Trichloroethane	1.101	1.161		5.45	20
Benzene	1.417	1.496		5.57	20
1,2-Dichloroethane	0.612	0.651		6.37	20
Trichloroethene	0.341	0.364		6.74	20
1,1,2-Trichloroethane	0.343	0.370		7.87	20
Tetrachloroethene	0.354	0.378		6.78	20
1,2-Dichloroethane-d4	0.932	0.862		-7.51	20
Dibromofluoromethane	0.360	0.356		-1.11	20
Toluene-d8	1.246	1.135		-8.91	20
4-Bromofluorobenzene	0.478	0.469		-1.88	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046505.D
Acq On : 04 Jun 2025 17:01
Operator : JC/MD
Sample : Q2201-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Quant Time: Jun 05 02:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

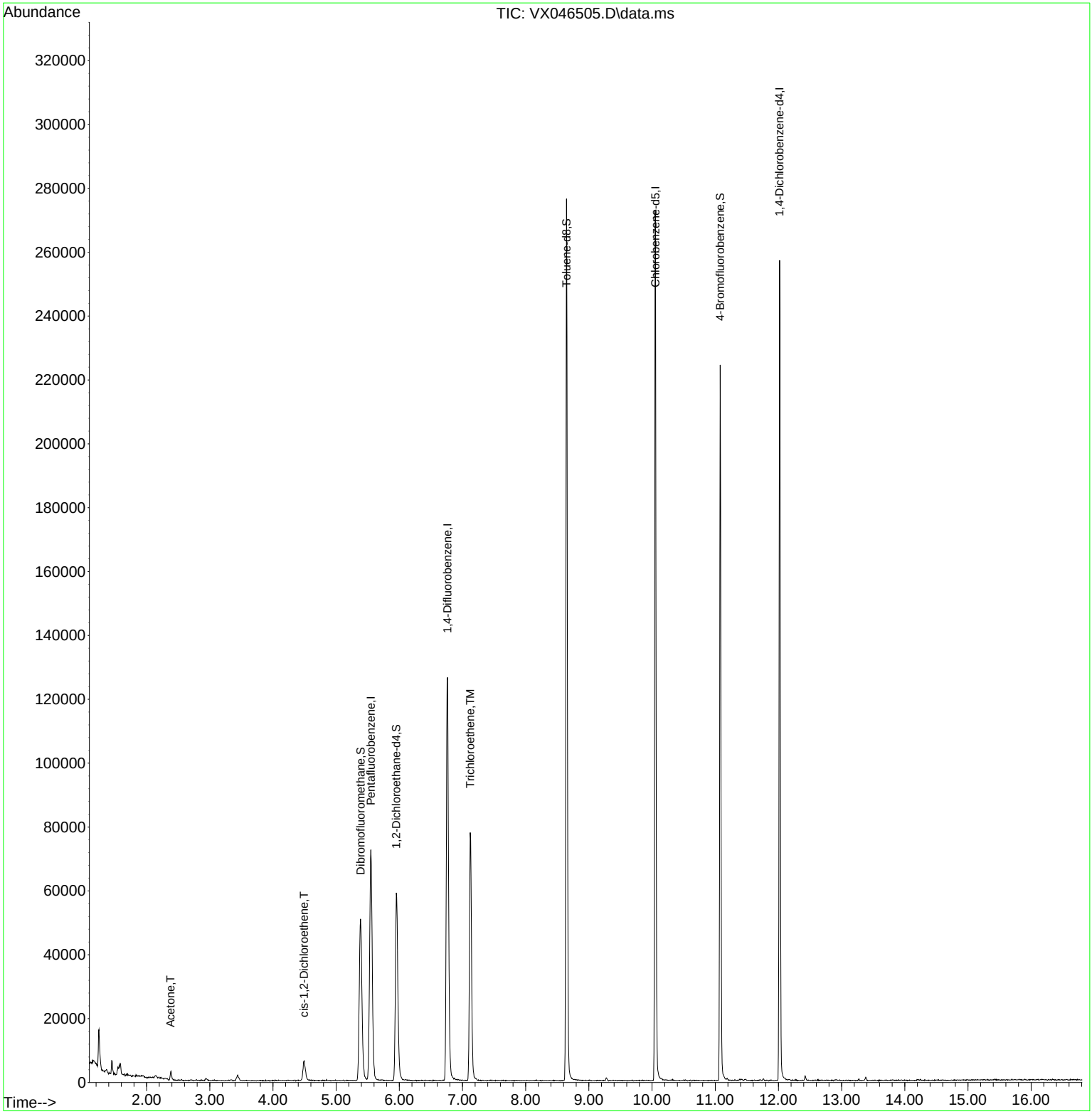
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59937	51.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.960%			
35) Dibromofluoromethane	5.385	113	44599	50.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	8.647	98	153105	50.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	11.079	95	59280	50.480	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.960%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2867	6.142	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	3959	4.416	ug/l	87
44) Trichloroethene	7.123	130	29049	34.672	ug/l	90

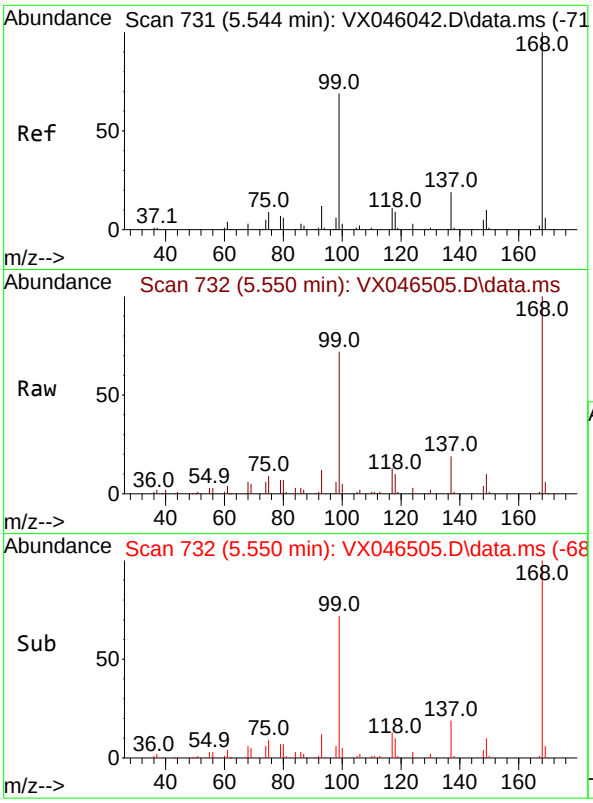
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046505.D
Acq On : 04 Jun 2025 17:01
Operator : JC/MD
Sample : Q2201-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Quant Time: Jun 05 02:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



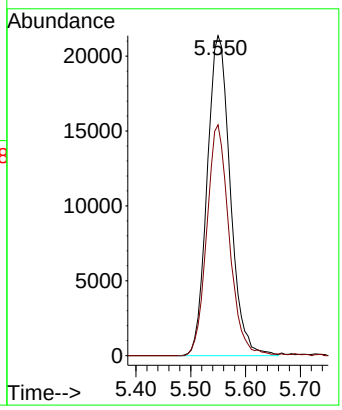


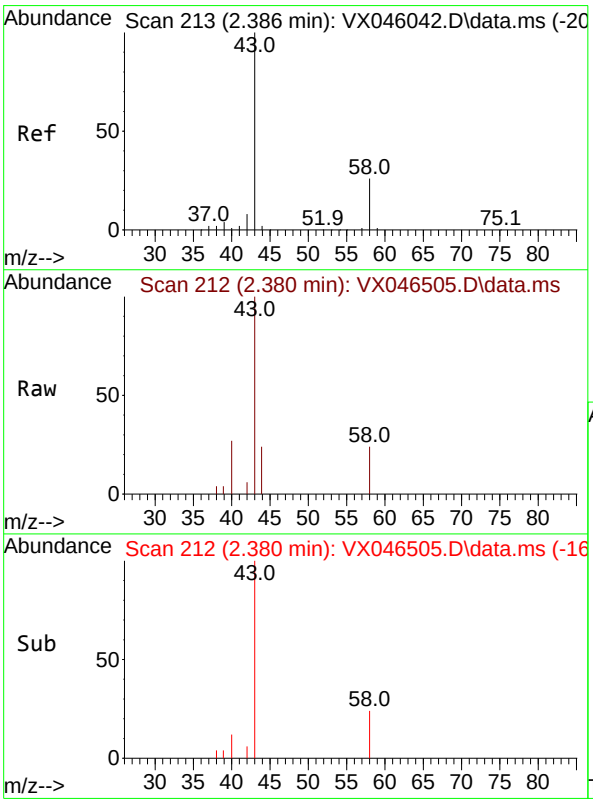
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:168 Resp: 62450

Ion	Ratio	Lower	Upper
168	100		
99	72.2	54.9	82.3

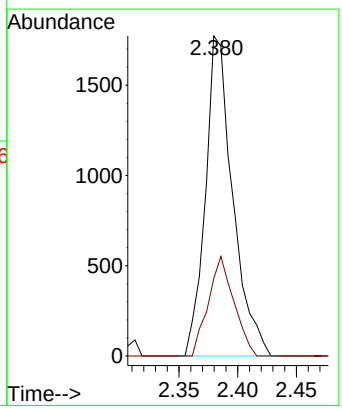


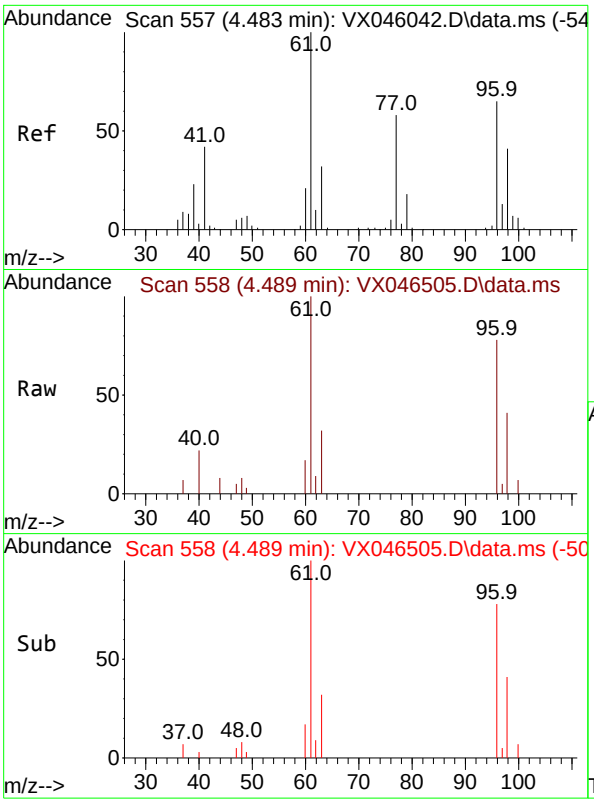


#16
Acetone
Concen: 6.142 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Tgt Ion: 43 Resp: 2867

Ion	Ratio	Lower	Upper
43	100		
58	24.1	21.2	31.8



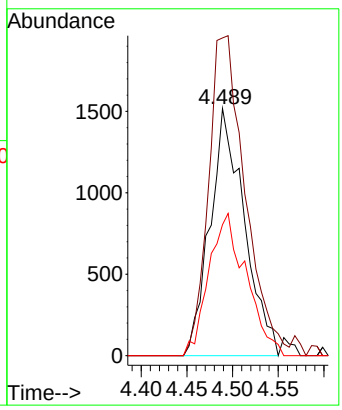


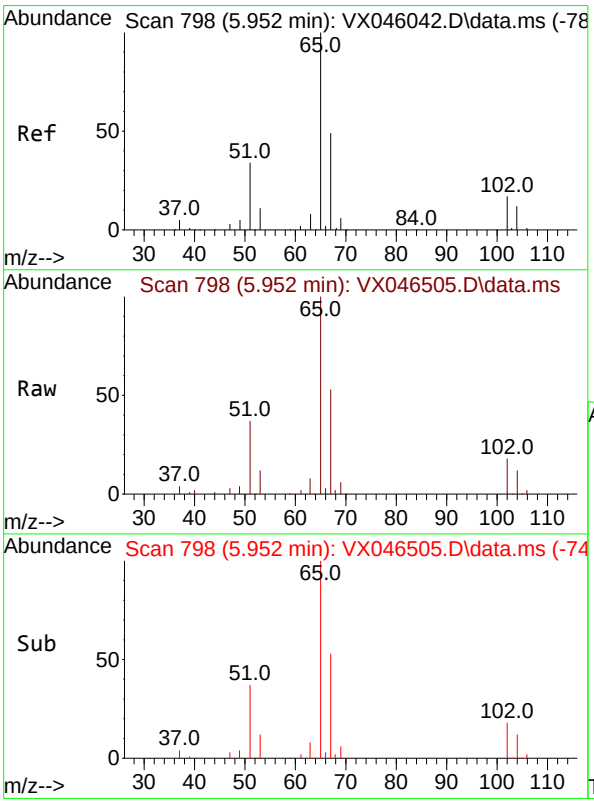
#27
cis-1,2-Dichloroethene
Concen: 4.416 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion: 96 Resp: 3959

Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	322.8
98	62.8	0.0	129.0

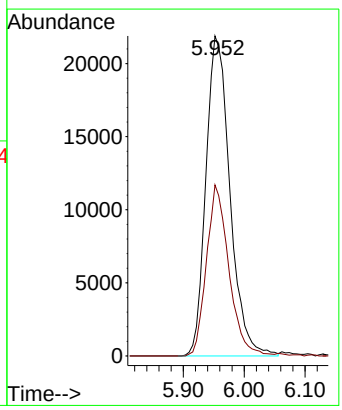


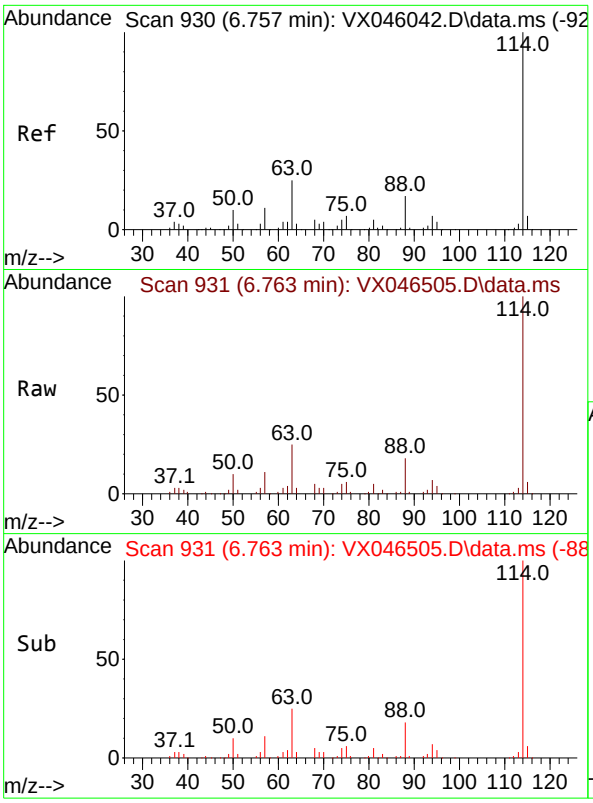


#33
1,2-Dichloroethane-d4
Concen: 51.480 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Tgt Ion: 65 Resp: 59937

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



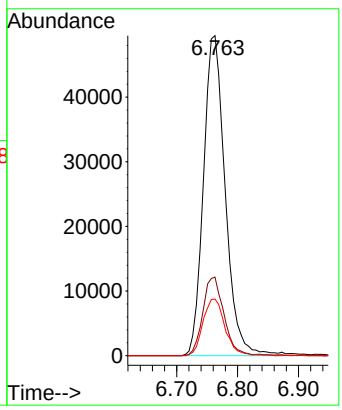


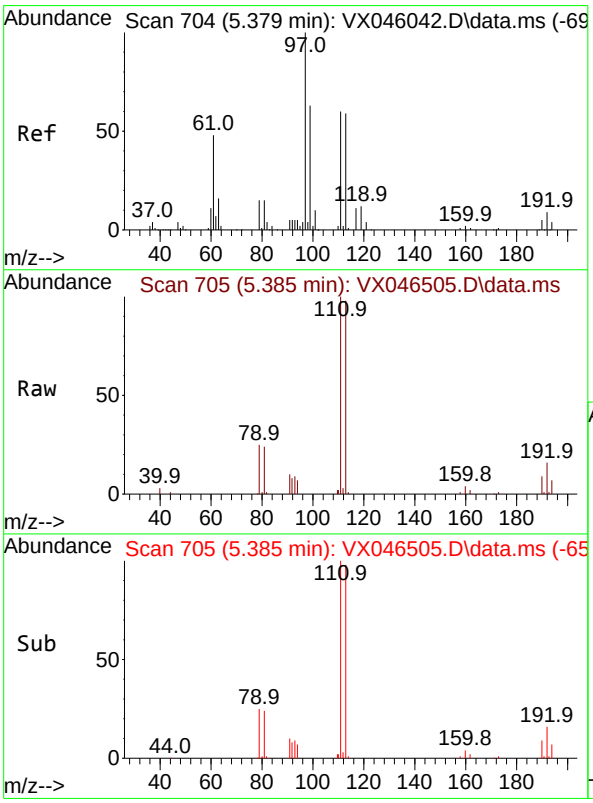
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:114 Resp: 122833

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	17.7	0.0	33.6

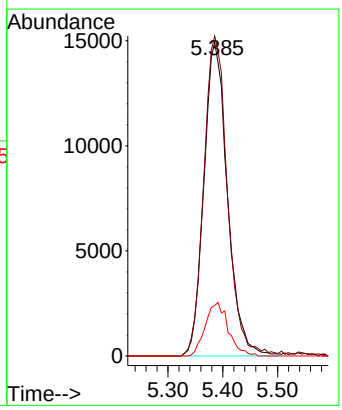


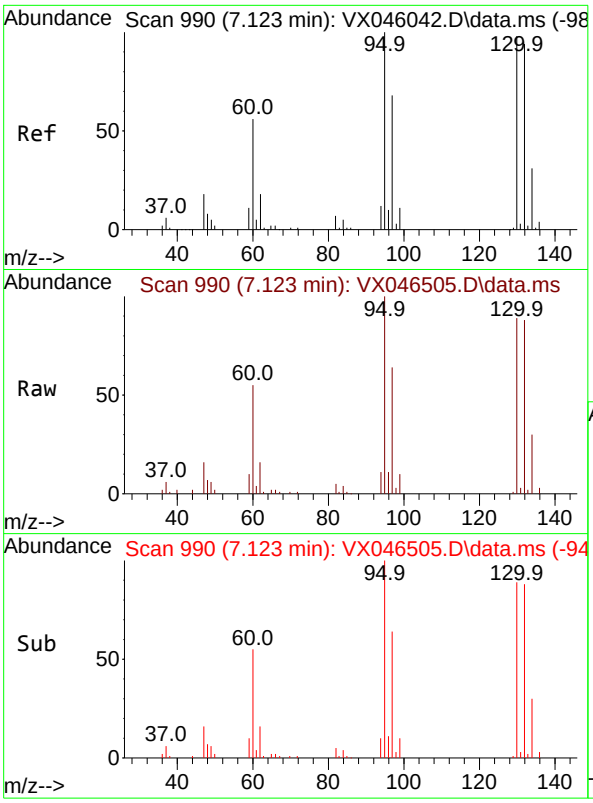


#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Tgt Ion:113 Resp: 44599

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	16.6	13.3	19.9



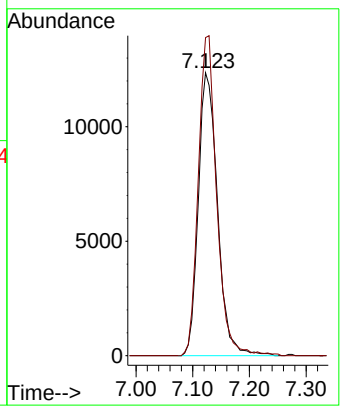


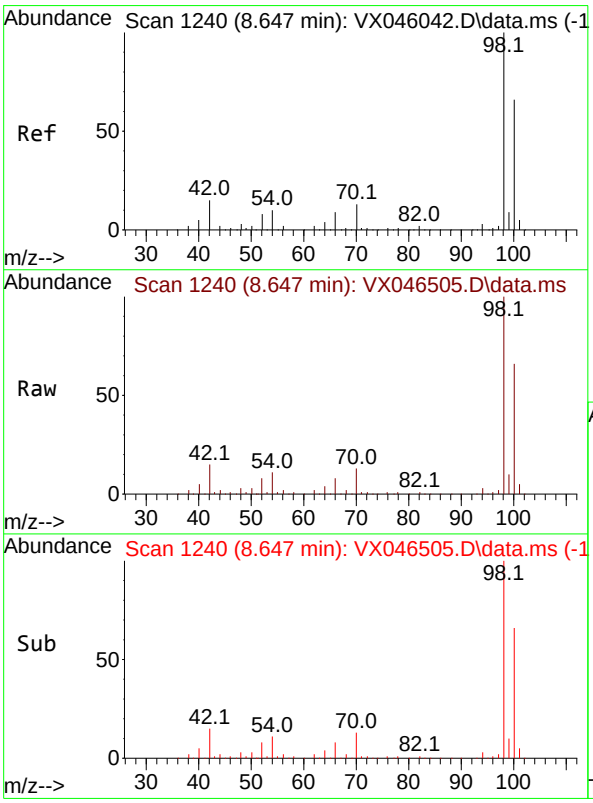
#44
Trichloroethene
Concen: 34.672 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:130 Resp: 29049

Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	204.2

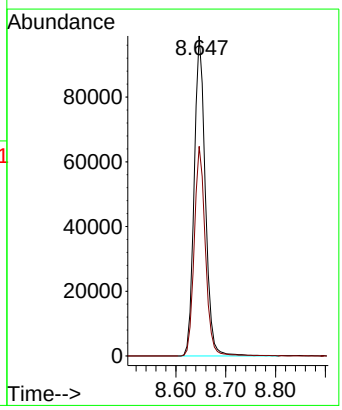


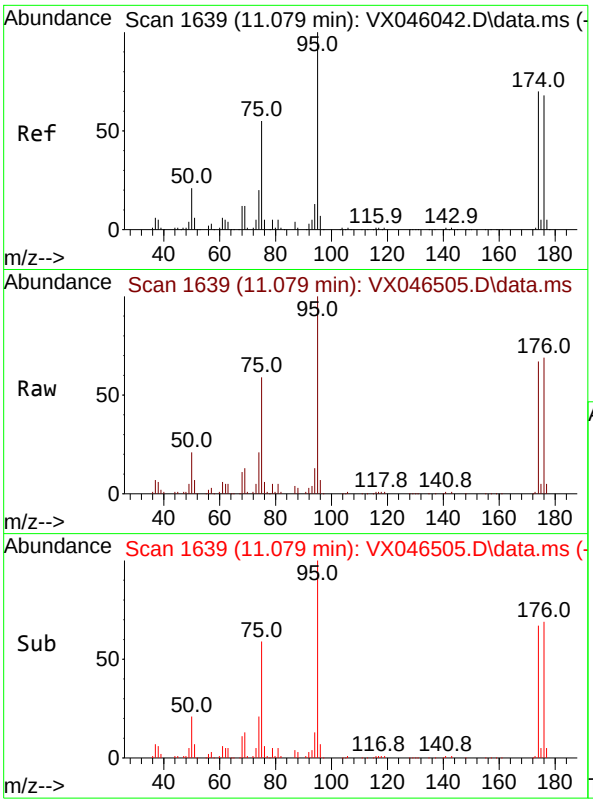


#50
Toluene-d8
Concen: 50.010 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Tgt Ion: 98 Resp: 153105

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3



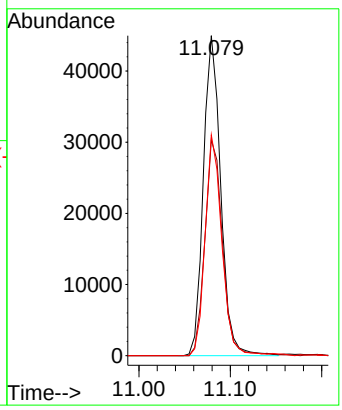


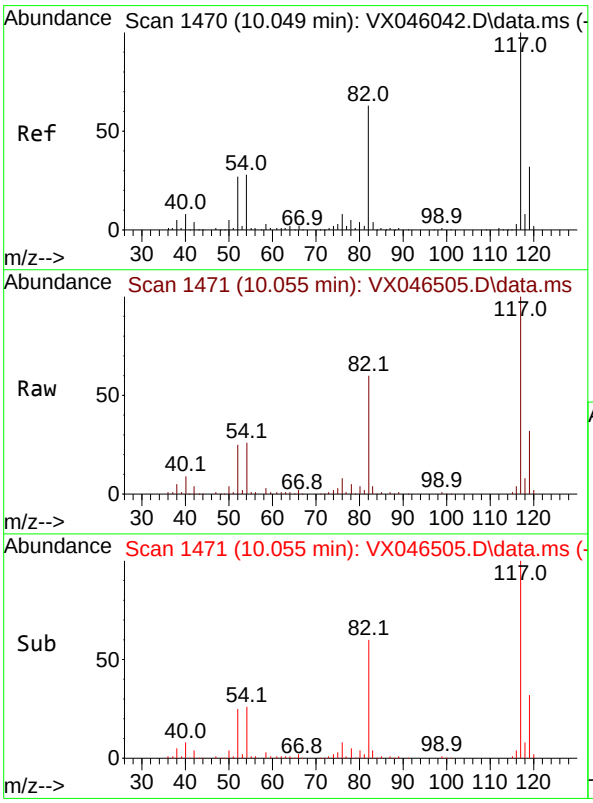
#62
4-Bromofluorobenzene
Concen: 50.480 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion: 95 Resp: 59280

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	135.8
176	66.2	0.0	131.4

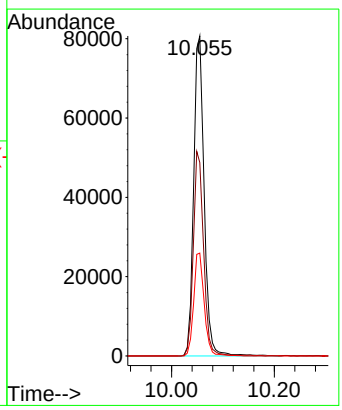


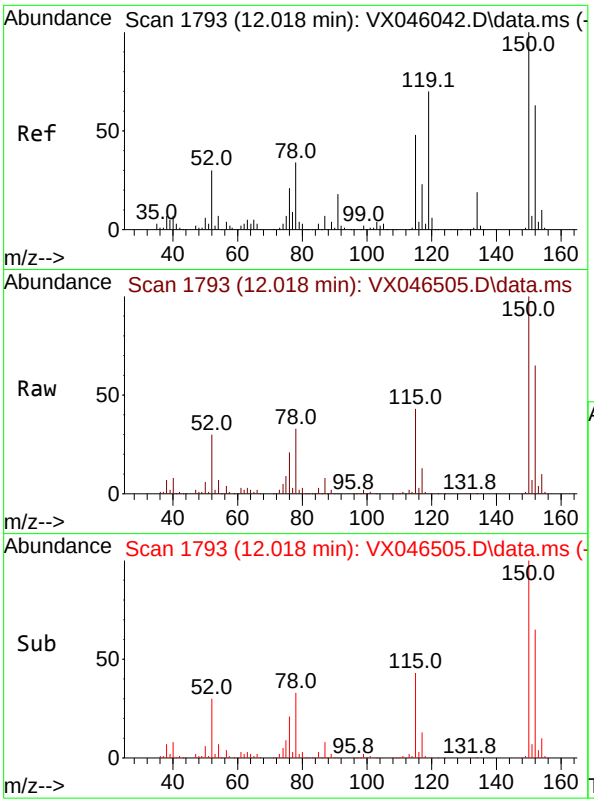


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Tgt Ion:117 Resp: 114448

Ion	Ratio	Lower	Upper
117	100		
82	60.4	50.6	76.0
119	32.1	25.8	38.6



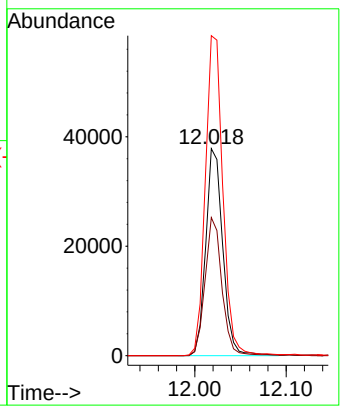


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046505.D
Acq: 04 Jun 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:152 Resp: 48812

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	159.2	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69212	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.720%			
35) Dibromofluoromethane	5.379	113	50780	50.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	8.647	98	175770	50.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	71016	53.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.160%			

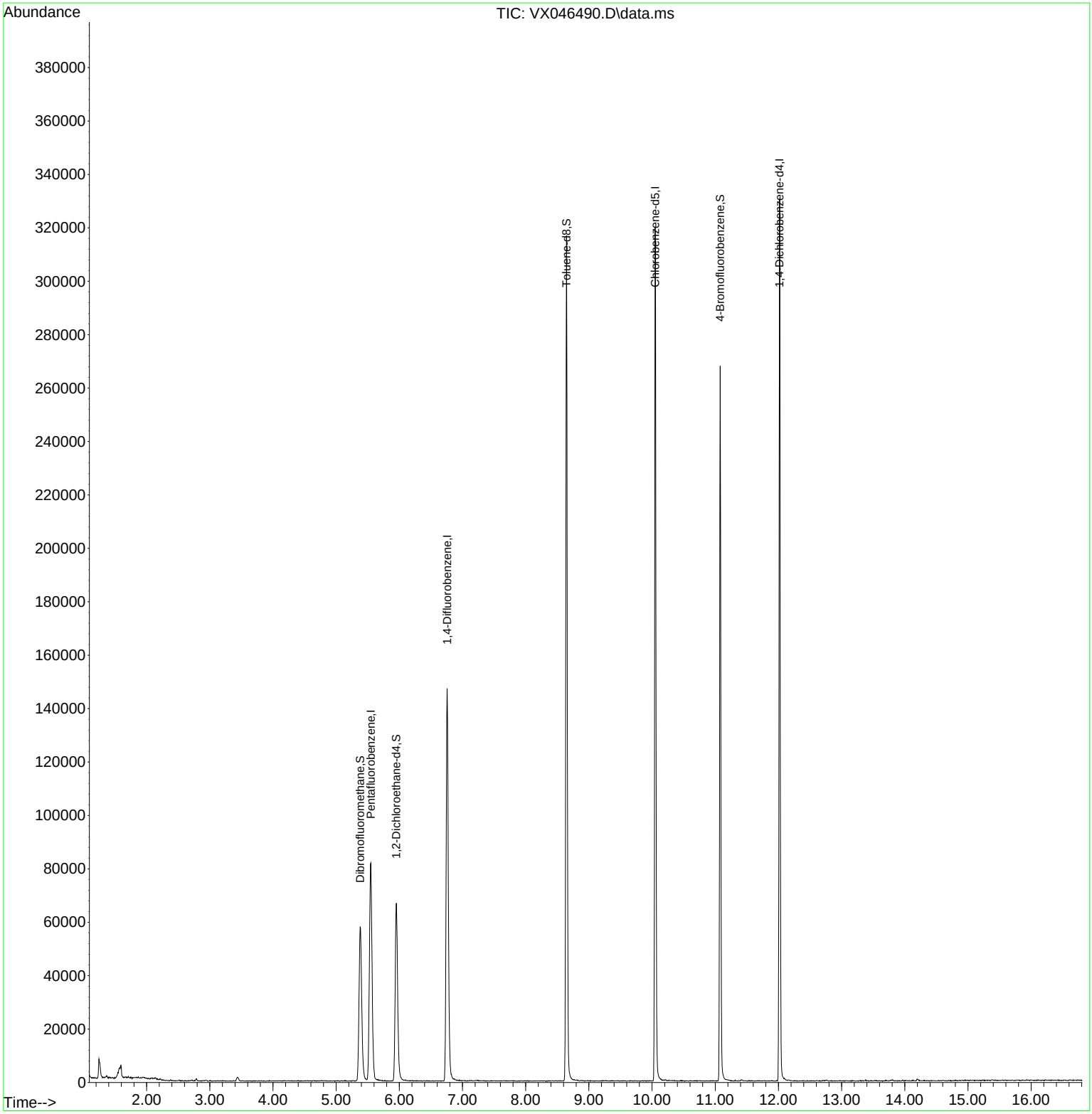
Target Compounds Qvalue

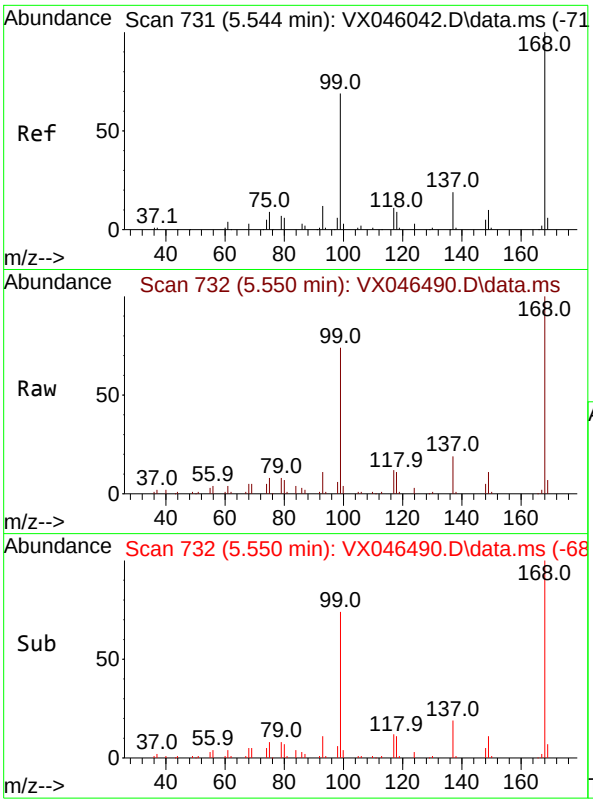
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



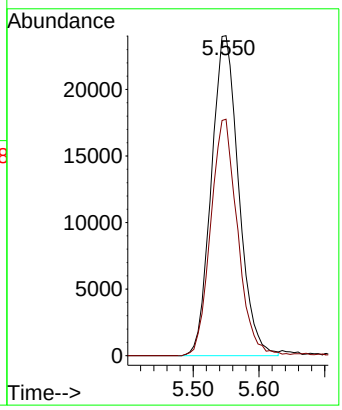


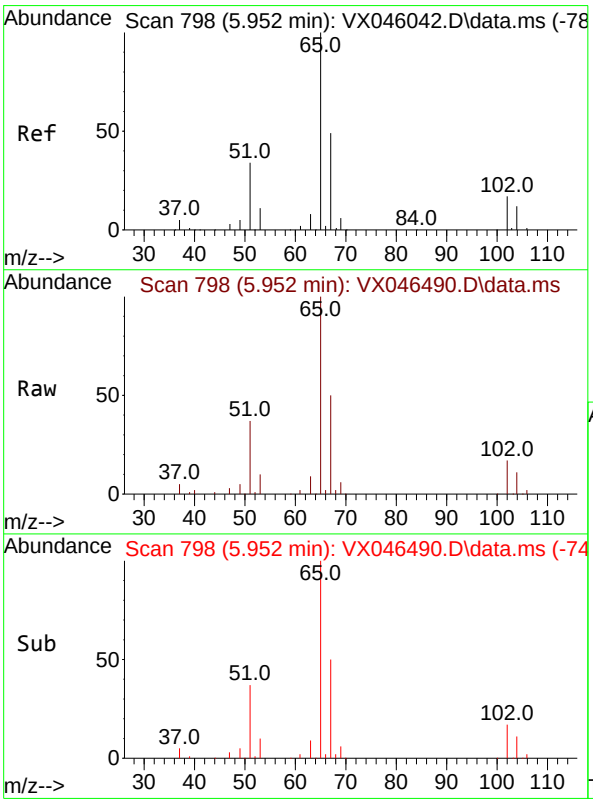
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:168 Resp: 69580

Ion	Ratio	Lower	Upper
168	100		
99	73.9	54.9	82.3

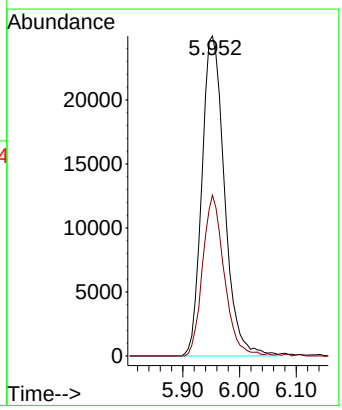


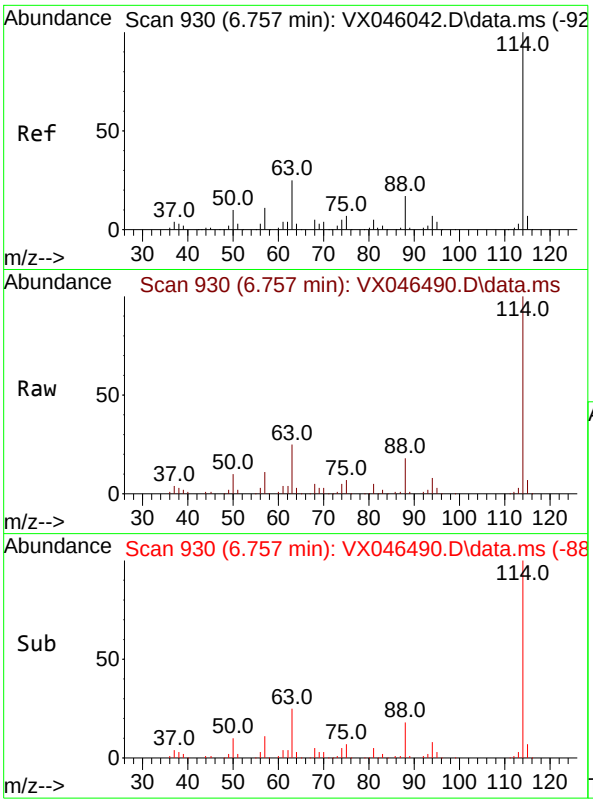


#33
1,2-Dichloroethane-d4
Concen: 53.355 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion: 65 Resp: 69212

Ion	Ratio	Lower	Upper
65	100		
67	48.1	0.0	99.0



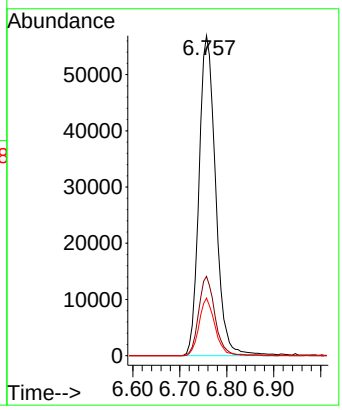


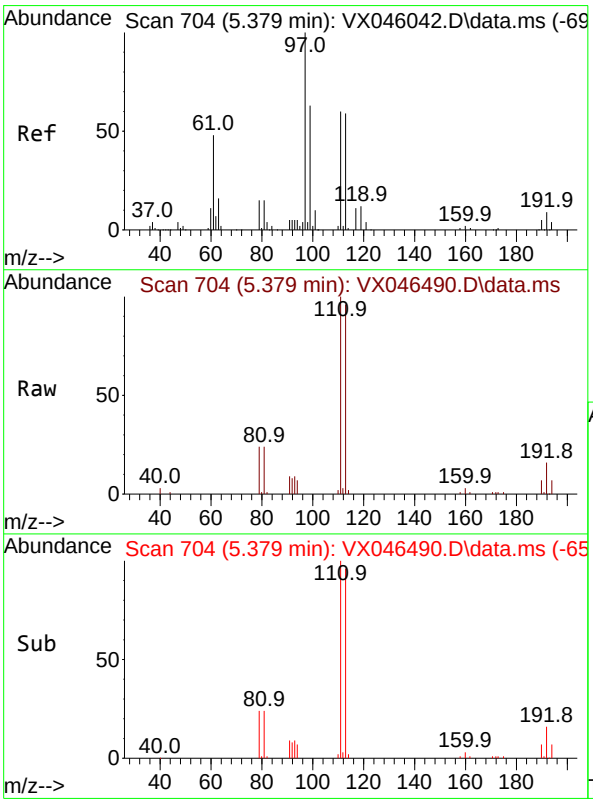
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:114 Resp: 139946

Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	18.0	0.0	33.6

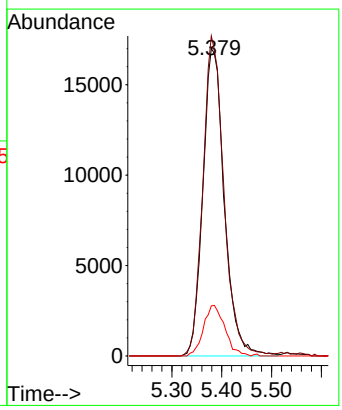


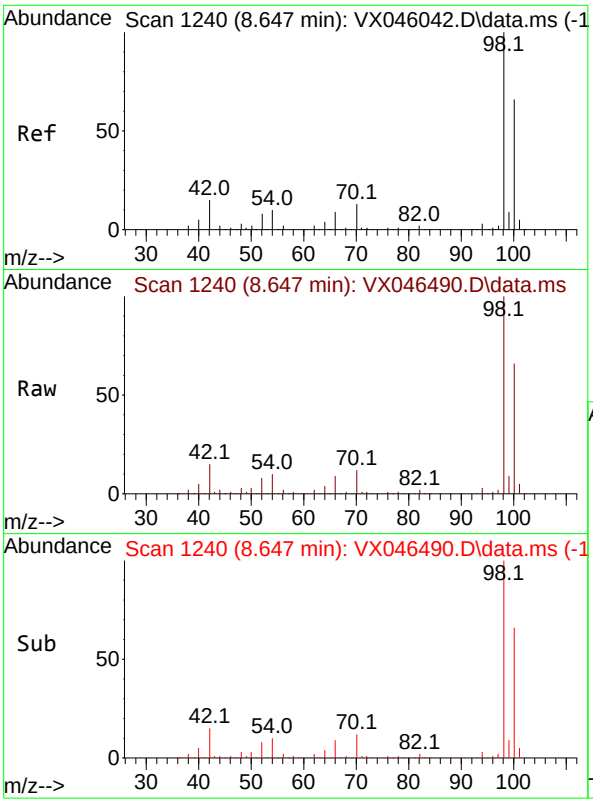


#35
Dibromofluoromethane
Concen: 50.389 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion:113 Resp: 50780

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	16.4	13.3	19.9



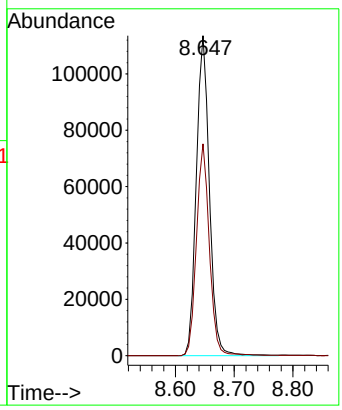


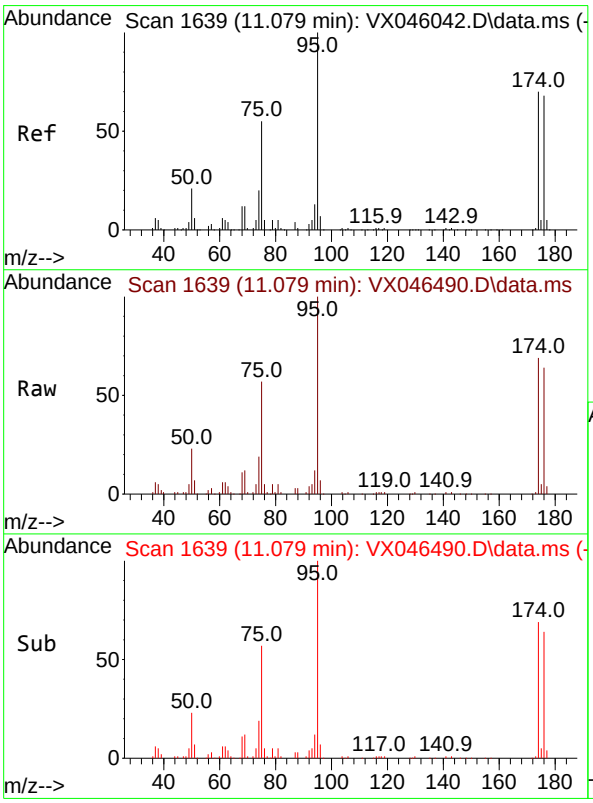
#50
Toluene-d8
Concen: 50.393 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion: 98 Resp: 175770

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3

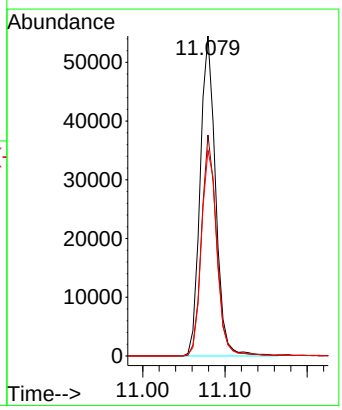


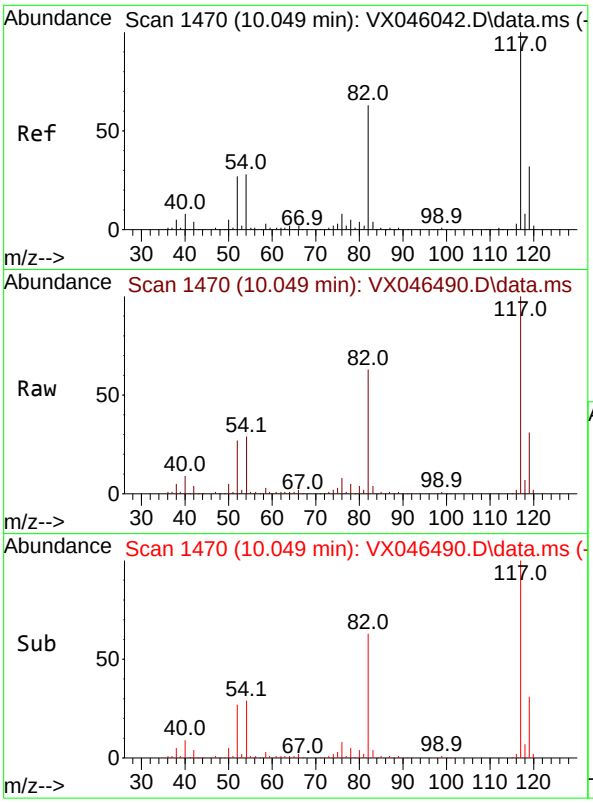


#62
4-Bromofluorobenzene
Concen: 53.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion: 95 Resp: 71016

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	65.5	0.0	131.4



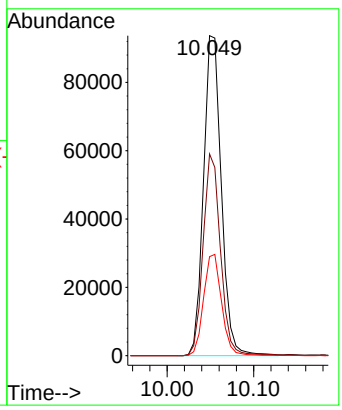


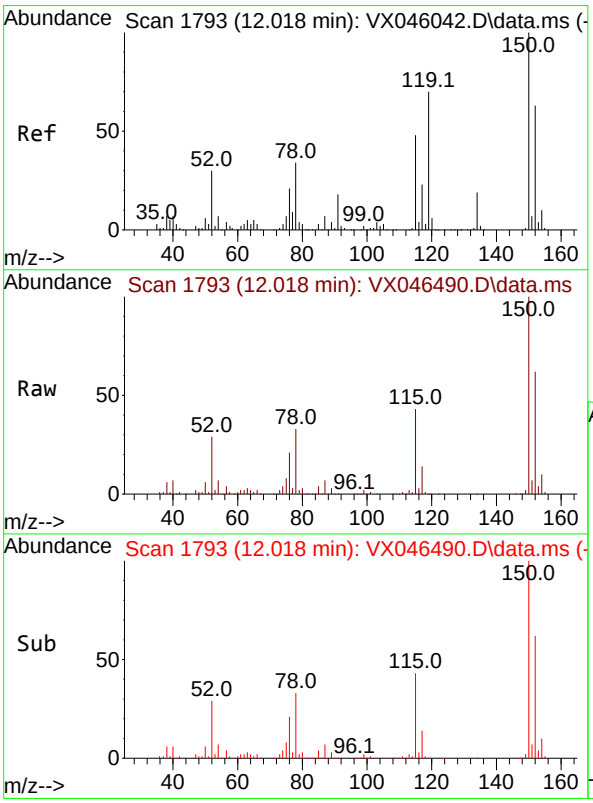
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:117 Resp: 133992

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	31.0	25.8	38.6

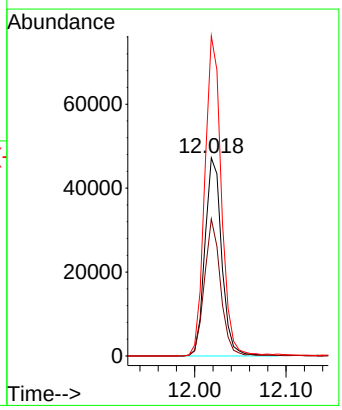




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion:152 Resp: 59967

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	160.7	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86820	50.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.260%			
35) Dibromofluoromethane	5.379	113	60723	51.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.647	98	193713	47.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.500%			
62) 4-Bromofluorobenzene	11.079	95	77214	49.102	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	22743	15.995	ug/l	99
3) Chloromethane	1.307	50	20855	15.125	ug/l	98
4) Vinyl Chloride	1.374	62	19920	15.523	ug/l	94
5) Bromomethane	1.599	94	9608	16.142	ug/l	100
6) Chloroethane	1.673	64	11730	17.122	ug/l	96
7) Trichlorofluoromethane	1.880	101	34089	17.974	ug/l	95
8) Diethyl Ether	2.130	74	11717	18.148	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	21471	18.294	ug/l	99
10) Methyl Iodide	2.447	142	20760	14.948	ug/l	99
11) Tert butyl alcohol	2.971	59	28971	119.170	ug/l	99
12) 1,1-Dichloroethene	2.313	96	18932	17.187	ug/l	97
13) Acrolein	2.233	56	29271	105.725	ug/l	98
14) Allyl chloride	2.660	41	40362	19.172	ug/l	96
15) Acrylonitrile	3.063	53	74090	106.582	ug/l	98
16) Acetone	2.380	43	73753	106.210	ug/l	99
17) Carbon Disulfide	2.508	76	33026	12.646	ug/l #	95
18) Methyl Acetate	2.703	43	44506	27.620	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	79431	20.568	ug/l	99
20) Methylene Chloride	2.782	84	23740	17.840	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	19363	17.479	ug/l	95
22) Diisopropyl ether	3.758	45	83789	20.604	ug/l	90
23) Vinyl Acetate	3.721	43	346082	96.761	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44360	19.585	ug/l	99
25) 2-Butanone	4.556	43	111365	110.466	ug/l	97
26) 2,2-Dichloropropane	4.471	77	34526	19.475	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	26144	19.605	ug/l	97
28) Bromochloromethane	4.898	49	23833	21.860	ug/l	97
29) Tetrahydrofuran	5.007	42	69831	110.541	ug/l	99
30) Chloroform	5.093	83	47227	20.005	ug/l	97
31) Cyclohexane	5.465	56	34657	16.791	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39783	19.440	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27602	17.344	ug/l	98
37) Ethyl Acetate	4.721	43	39738	20.211	ug/l	99
38) Carbon Tetrachloride	5.672	117	32904	18.402	ug/l	95
39) Methylcyclohexane	7.373	83	33061	16.137	ug/l	98
40) Benzene	6.031	78	86835	18.629	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23318	22.671	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39852	19.809	ug/l		99
43) Isopropyl Acetate	6.342	43	63564	21.191	ug/l		99
44) Trichloroethene	7.123	130	20599	18.361	ug/l		97
45) 1,2-Dichloropropane	7.428	63	22961	19.810	ug/l		96
46) Dibromomethane	7.580	93	17290	18.913	ug/l		98
47) Bromodichloromethane	7.818	83	35372	19.645	ug/l		99
48) Methyl methacrylate	7.696	41	32412	21.158	ug/l		98
49) 1,4-Dioxane	7.659	88	13462	462.828	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	215594	108.282	ug/l		100
52) Toluene	8.714	92	54715	19.143	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	30645	19.148	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	34352	19.420	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	23114	20.509	ug/l		98
56) Ethyl methacrylate	9.116	69	37067	20.636	ug/l		97
57) 1,3-Dichloropropane	9.305	76	39627	19.578	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	97808	106.806	ug/l		99
59) 2-Hexanone	9.427	43	163451	110.961	ug/l		100
60) Dibromochloromethane	9.519	129	25342	20.474	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23528	20.086	ug/l		100
64) Tetrachloroethene	9.269	164	18715	18.968	ug/l		95
65) Chlorobenzene	10.080	112	59399	19.461	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21063	20.209	ug/l		98
67) Ethyl Benzene	10.189	91	105678	19.642	ug/l		99
68) m/p-Xylenes	10.299	106	78322	39.802	ug/l		99
69) o-Xylene	10.640	106	39544	20.613	ug/l		99
70) Styrene	10.653	104	64399	20.492	ug/l		99
71) Bromoform	10.799	173	15687	20.047	ug/l	#	97
73) Isopropylbenzene	10.957	105	105573	21.209	ug/l		99
74) N-amyl acetate	10.842	43	53645	21.810	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37218	21.336	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32568m	21.162	ug/l		
77) Bromobenzene	11.195	156	23492	20.328	ug/l		99
78) n-propylbenzene	11.299	91	117360	20.277	ug/l		98
79) 2-Chlorotoluene	11.360	91	75768	20.296	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	85839	20.642	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9522	20.143	ug/l		99
82) 4-Chlorotoluene	11.451	91	83569	20.186	ug/l		98
83) tert-Butylbenzene	11.713	119	87673	20.930	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	86879	20.630	ug/l		100
85) sec-Butylbenzene	11.890	105	108045	21.008	ug/l		100
86) p-Isopropyltoluene	12.006	119	87255	20.553	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42116	19.969	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	44193	20.518	ug/l		98
89) n-Butylbenzene	12.329	91	75030	20.149	ug/l		99
90) Hexachloroethane	12.536	117	14661	19.602	ug/l		96
91) 1,2-Dichlorobenzene	12.329	146	44415	20.986	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9196	23.797	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	25497	20.975	ug/l		97
94) Hexachlorobutadiene	13.719	225	10415	19.618	ug/l		96
95) Naphthalene	13.774	128	94780	21.259	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	25741	20.522	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
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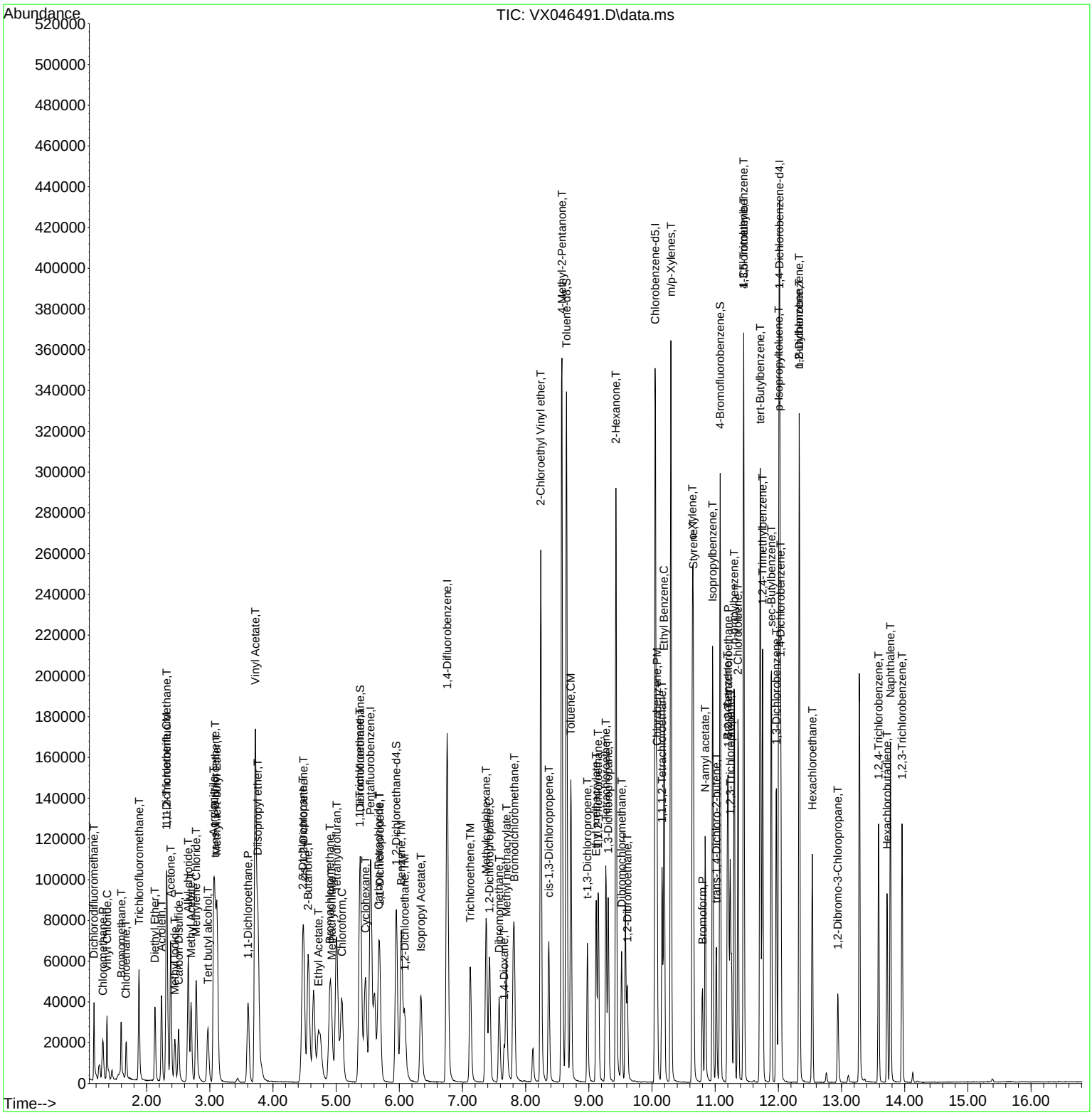
Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81368	51.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.320%			
35) Dibromofluoromethane	5.385	113	57316	52.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	8.647	98	186769	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	75026	51.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24632	19.049	ug/l	99
3) Chloromethane	1.307	50	23757	18.946	ug/l	97
4) Vinyl Chloride	1.374	62	21918	18.781	ug/l	98
5) Bromomethane	1.593	94	9220	17.033	ug/l	98
6) Chloroethane	1.672	64	15446	24.792	ug/l	94
7) Trichlorofluoromethane	1.880	101	35809	20.761	ug/l	97
8) Diethyl Ether	2.136	74	12725	21.673	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	21610	20.246	ug/l	97
10) Methyl Iodide	2.447	142	24073	19.060	ug/l	100
11) Tert butyl alcohol	2.971	59	27971	126.516	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20333	20.297	ug/l	100
13) Acrolein	2.233	56	25349	100.678	ug/l	97
14) Allyl chloride	2.660	41	42621	22.262	ug/l	95
15) Acrylonitrile	3.062	53	73994	117.045	ug/l	99
16) Acetone	2.386	43	72770	115.231	ug/l	98
17) Carbon Disulfide	2.501	76	39956	16.824	ug/l	100
18) Methyl Acetate	2.703	43	45782	31.241	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82120	23.382	ug/l	100
20) Methylene Chloride	2.782	84	24899	20.575	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	20553	20.402	ug/l	98
22) Diisopropyl ether	3.763	45	85964	23.245	ug/l	98
23) Vinyl Acetate	3.721	43	352257	108.297	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45805	22.237	ug/l	98
25) 2-Butanone	4.562	43	110519	120.545	ug/l	99
26) 2,2-Dichloropropane	4.471	77	32995	20.465	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	26678	21.998	ug/l	98
28) Bromochloromethane	4.897	49	22848	23.044	ug/l	98
29) Tetrahydrofuran	5.013	42	69743	121.397	ug/l	99
30) Chloroform	5.092	83	48458	22.570	ug/l	97
31) Cyclohexane	5.458	56	39649	21.123	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41875	22.500	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30800	20.829	ug/l	99
37) Ethyl Acetate	4.721	43	40135	21.968	ug/l	98
38) Carbon Tetrachloride	5.678	117	33893	20.399	ug/l	97
39) Methylcyclohexane	7.379	83	37949	19.934	ug/l	92
40) Benzene	6.031	78	92846	21.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	24996	26.155	ug/l		95
42) 1,2-Dichloroethane	6.086	62	40404	21.614	ug/l		99
43) Isopropyl Acetate	6.342	43	64639	23.192	ug/l		99
44) Trichloroethene	7.123	130	22185	21.281	ug/l		96
45) 1,2-Dichloropropane	7.427	63	23770	22.070	ug/l		98
46) Dibromomethane	7.580	93	18288	21.529	ug/l		99
47) Bromodichloromethane	7.818	83	36336	21.718	ug/l		99
48) Methyl methacrylate	7.696	41	33430	23.486	ug/l		99
49) 1,4-Dioxane	7.659	88	12861	475.862	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	220370	119.115	ug/l		99
52) Toluene	8.714	92	57666	21.713	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	30745	20.675	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	35234	21.437	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	23253	22.204	ug/l		96
56) Ethyl methacrylate	9.116	69	39616	23.736	ug/l		99
57) 1,3-Dichloropropane	9.305	76	41148	21.879	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	98765	116.070	ug/l		99
59) 2-Hexanone	9.427	43	168301	122.961	ug/l		99
60) Dibromochloromethane	9.518	129	24794	21.558	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23687	21.762	ug/l		96
64) Tetrachloroethene	9.269	164	19397	20.578	ug/l		94
65) Chlorobenzene	10.079	112	62199	21.331	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21656	21.749	ug/l		99
67) Ethyl Benzene	10.195	91	113326	22.048	ug/l		99
68) m/p-Xylenes	10.299	106	80924	43.046	ug/l		94
69) o-Xylene	10.640	106	41048	22.397	ug/l		97
70) Styrene	10.652	104	67392	22.447	ug/l		97
71) Bromoform	10.799	173	15427	20.636	ug/l	#	98
73) Isopropylbenzene	10.963	105	110318	22.550	ug/l		100
74) N-amyl acetate	10.841	43	55422	22.926	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38648	22.544	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32723m	21.634	ug/l		
77) Bromobenzene	11.195	156	24841	21.872	ug/l		99
78) n-propylbenzene	11.305	91	124223	21.838	ug/l		99
79) 2-Chlorotoluene	11.360	91	78907	21.507	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	92894	22.729	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	9297	20.011	ug/l		99
82) 4-Chlorotoluene	11.451	91	88804	21.826	ug/l		99
83) tert-Butylbenzene	11.713	119	92557	22.483	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	92688	22.395	ug/l		99
85) sec-Butylbenzene	11.890	105	111854	22.129	ug/l		99
86) p-Isopropyltoluene	12.006	119	93040	22.299	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	44995	21.707	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44540	21.040	ug/l		98
89) n-Butylbenzene	12.329	91	79526	21.729	ug/l		98
90) Hexachloroethane	12.536	117	15772	21.457	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	46207	22.214	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9047	23.821	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	25914	21.691	ug/l		99
94) Hexachlorobutadiene	13.725	225	11422	21.891	ug/l		100
95) Naphthalene	13.774	128	102748	23.449	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	26637	21.608	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

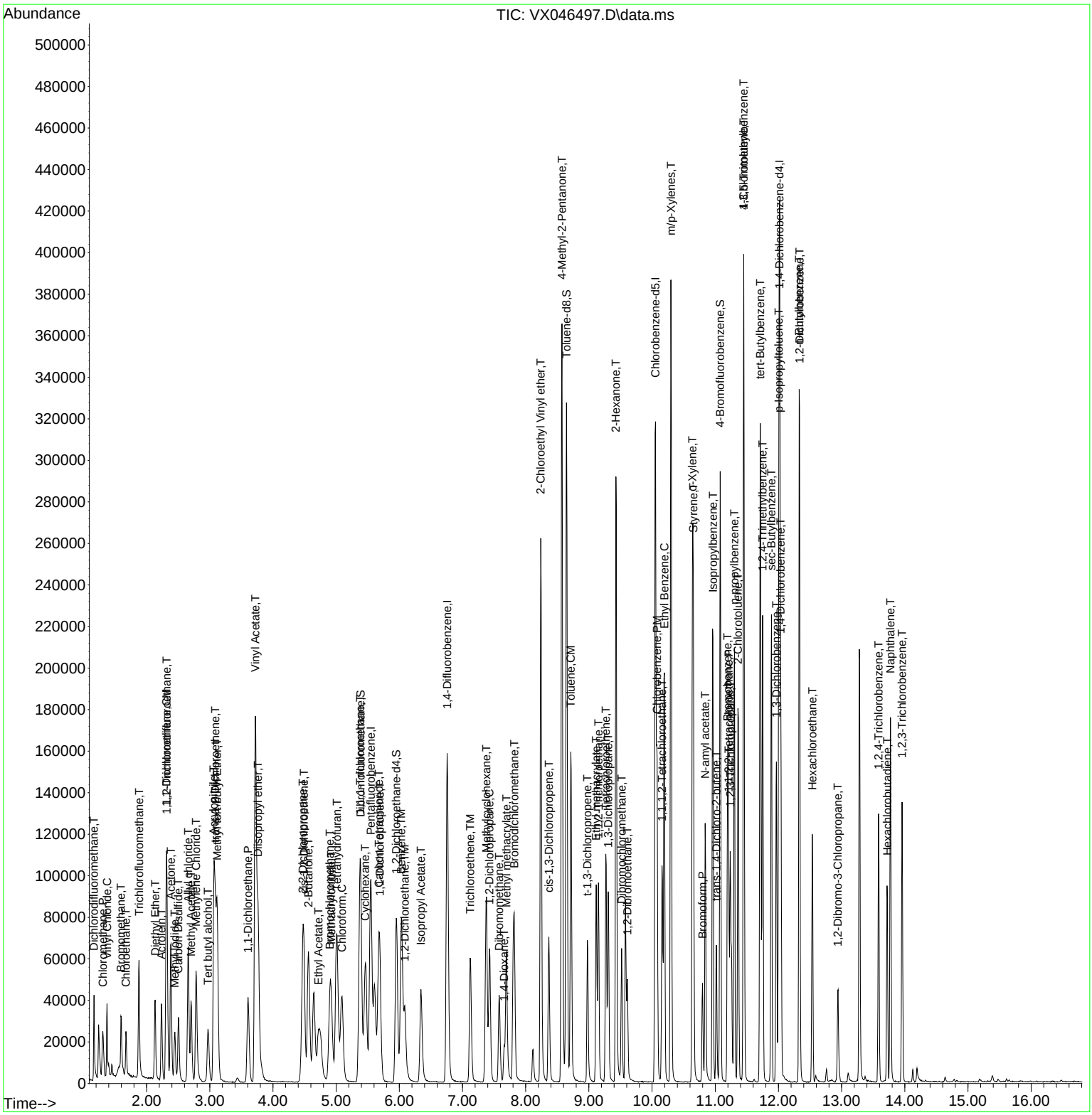
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX060425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046488.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VSTDCCC050	VX046488.D	Methacrylonitrile	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VX0604WBS01	VX046491.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:20 PM	SAM	6/5/2025 4:47:20 PM	Peak Integrated by Software
VX0604WBSD01	VX046497.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:23 PM	SAM	6/5/2025 4:47:24 PM	Peak Integrated by Software
VSTDCCC050	VX046515.D	1,2,3-Trichloropropane	SAM	6/5/2025 4:47:29 PM	MMdadoda	6/6/2025 1:00:26 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046487.D	04 Jun 2025 09:43	JC/MD	Ok
2	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	JC/MD	Ok,M
3	VX0604MBL01	VX046489.D	04 Jun 2025 10:40	JC/MD	Ok
4	VX0604WBL01	VX046490.D	04 Jun 2025 11:04	JC/MD	Ok
5	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	JC/MD	Ok,M
6	Q2169-03DL	VX046492.D	04 Jun 2025 11:55	JC/MD	Ok
7	Q2168-08DL	VX046493.D	04 Jun 2025 12:18	JC/MD	Ok
8	Q2168-12DL	VX046494.D	04 Jun 2025 12:41	JC/MD	Ok
9	Q2169-01	VX046495.D	04 Jun 2025 13:05	JC/MD	Not Ok
10	Q2175-05	VX046496.D	04 Jun 2025 13:28	JC/MD	Ok
11	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52	JC/MD	Ok,M
12	Q2200-01DL	VX046498.D	04 Jun 2025 14:15	JC/MD	Ok
13	Q2200-02	VX046499.D	04 Jun 2025 14:39	JC/MD	Ok
14	Q2200-05	VX046500.D	04 Jun 2025 15:02	JC/MD	Dilution
15	Q2175-06	VX046501.D	04 Jun 2025 15:26	JC/MD	Dilution
16	IBLK	VX046502.D	04 Jun 2025 15:50	JC/MD	Ok
17	IBLK	VX046503.D	04 Jun 2025 16:13	JC/MD	Ok
18	Q2200-03	VX046504.D	04 Jun 2025 16:37	JC/MD	Ok
19	Q2201-01	VX046505.D	04 Jun 2025 17:01	JC/MD	Ok
20	Q2198-05	VX046506.D	04 Jun 2025 17:25	JC/MD	ReRun
21	IBLK	VX046507.D	04 Jun 2025 17:49	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2200-01	VX046508.D	04 Jun 2025 18:12	JC/MD	Dilution
23	Q2200-05DL	VX046509.D	04 Jun 2025 18:36	JC/MD	Ok
24	Q2200-06	VX046510.D	04 Jun 2025 19:00	JC/MD	Ok
25	Q2175-06DL	VX046511.D	04 Jun 2025 19:24	JC/MD	Ok,M
26	VX0604MBS01	VX046512.D	04 Jun 2025 19:47	JC/MD	Ok,M
27	Q2168-11ME	VX046513.D	04 Jun 2025 20:11	JC/MD	Dilution
28	Q2168-07ME	VX046514.D	04 Jun 2025 20:35	JC/MD	Ok
29	VSTDCCC050	VX046515.D	04 Jun 2025 20:59	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
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	VX046487.D	04 Jun 2025 09:43		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0604MBL01	VX0604MBL01	VX046489.D	04 Jun 2025 10:40		JC/MD	Ok
4	VX0604WBL01	VX0604WBL01	VX046490.D	04 Jun 2025 11:04		JC/MD	Ok
5	VX0604WBS01	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	BS failed low for comp. #17	JC/MD	Ok,M
6	Q2169-03DL	303-PPR-2DL	VX046492.D	04 Jun 2025 11:55	vial B pH<2	JC/MD	Ok
7	Q2168-08DL	B3DL	VX046493.D	04 Jun 2025 12:18	vial B pH#5.0	JC/MD	Ok
8	Q2168-12DL	C2DL	VX046494.D	04 Jun 2025 12:41	vial B pH#5.0	JC/MD	Ok
9	Q2169-01	303-PPR-1	VX046495.D	04 Jun 2025 13:05	vial B pH<2;not req	JC/MD	Not Ok
10	Q2175-05	52525-B	VX046496.D	04 Jun 2025 13:28	vial A pH<2 foamy sample	JC/MD	Ok
11	VX0604WBSD01	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52		JC/MD	Ok,M
12	Q2200-01DL	RMW-02B-66-060325D	VX046498.D	04 Jun 2025 14:15	vial A pH<2	JC/MD	Ok
13	Q2200-02	RMW-03B-90-060325	VX046499.D	04 Jun 2025 14:39	vial A pH<2	JC/MD	Ok
14	Q2200-05	MW-11B-37.5-060325	VX046500.D	04 Jun 2025 15:02	vial A pH<2 Need 200X	JC/MD	Dilution
15	Q2175-06	EGR-LIQUID	VX046501.D	04 Jun 2025 15:26	vial A pH<2 Need 2000X	JC/MD	Dilution
16	IBLK	IBLK	VX046502.D	04 Jun 2025 15:50		JC/MD	Ok
17	IBLK	IBLK	VX046503.D	04 Jun 2025 16:13		JC/MD	Ok
18	Q2200-03	EB01-060325	VX046504.D	04 Jun 2025 16:37	vial A pH<2 EB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2201-01	MW-01-6.5-060325	VX046505.D	04 Jun 2025 17:01	vial A pH<2	JC/MD	Ok
20	Q2198-05	B-202-GW01	VX046506.D	04 Jun 2025 17:25	vial A pH<2 BS failed low for comp. #17	JC/MD	ReRun
21	IBLK	IBLK	VX046507.D	04 Jun 2025 17:49		JC/MD	Ok
22	Q2200-01	RMW-02B-66-060325	VX046508.D	04 Jun 2025 18:12	vial B pH<2 Need 100X	JC/MD	Dilution
23	Q2200-05DL	MW-11B-37.5-060325D	VX046509.D	04 Jun 2025 18:36	vial B pH<2	JC/MD	Ok
24	Q2200-06	TB-01-060325	VX046510.D	04 Jun 2025 19:00	vial A pH<2 TB	JC/MD	Ok
25	Q2175-06DL	EGR-LIQUIDDL	VX046511.D	04 Jun 2025 19:24	vial B pH<2	JC/MD	Ok,M
26	VX0604MBS01	VX0604MBS01	VX046512.D	04 Jun 2025 19:47		JC/MD	Ok,M
27	Q2168-11ME	C2ME	VX046513.D	04 Jun 2025 20:11	Need 5X	JC/MD	Dilution
28	Q2168-07ME	B3ME	VX046514.D	04 Jun 2025 20:35		JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX046515.D	04 Jun 2025 20:59		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2201	**OrderDate:**	6/3/2025 4:10:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2201-01	**MW-01-6.5-060325**	**Water**			**06/03/25**			**06/03/25**
			VOCMS Group3	8260-Low			06/04/25	

SHIPPING DOCUMENTS

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2201
COC Number 2046477

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave., Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Ynfante John.Ynfante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) RUSH 7 day TAT (5 business day) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 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	2	3	4	5	6	7	8	9
Site Specific VOC's (8260B-Low)								

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES F/E	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-01-6.5-060325	GW		X	6/3/25	1400	2	X										F = ascorbic acid preservative
2.																		
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. Dan Holmes	6/3/25 1600	1.
2.		2.
3.	6.3.2023 1720	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.4 °C
Comments: See work order for list of site specific VOC's
PO # 1480643(1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2201 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 6/3/2025 4:10:00 PM
Project Name : Former Schlumberger STC
Receive DateTime : 6/3/2025 ~~12:00:00~~ 17:29 AM
Purchase Order :

Project Mgr :
Report Type : Level ~~4~~ 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2201-01	MW-01-6.5-~~060225~~ 060325	Water	06/03/2025	14:00	VOCMS Group3		8260-Low		5 Bus. Days

Relinguished By : [signature]
Date / Time : 6/4/25 1040

Received By : [signature]
Date / Time : 6/4/25 Conn 10:40 DSH

SAMPLES RECEIVED ON 6/3/25
SAMPLES PLACED IN SM-REF-2

Storage Area : VOA Refridgerator Room