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

Hit Summary Sheet
SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-03	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085001.D	1		11/21/24 18:08	VN112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	46.7		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.218			
540-36-3	1,4-Difluorobenzene	298000	9.1			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.794			

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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4892-03	WB-310-BOT	1,2-Dichloroethane-d4	50	51.3	102	70 (74)	130 (125)
		Dibromofluoromethane	50	47.6	95	70 (75)	130 (124)
		Toluene-d8	50	46.7	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.2	92	70 (77)	130 (121)
VN1121WBL02	VN1121WBL02	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97	70 (75)	130 (124)
		Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.9	88	70 (77)	130 (121)
VN1121WBS02	VN1121WBS02	1,2-Dichloroethane-d4	50	49.8	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)
VN1121WBSD0	VN1121WBSD02	1,2-Dichloroethane-d4	50	52.5	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103	70 (75)	130 (124)
		Toluene-d8	50	47.5	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VN084998.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1121WBS02	Vinyl chloride	20	15.5	ug/L	78			70 (65)	130 (117)	
	1,1-Dichloroethene	20	15.5	ug/L	78			70 (74)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.0	ug/L	95			70 (77)	130 (113)	
	Chloroform	20	18.8	ug/L	94			70 (79)	130 (113)	
	Benzene	20	17.8	ug/L	89			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.5	ug/L	98			70 (80)	130 (115)	
	Trichloroethene	20	17.7	ug/L	89			70 (77)	130 (113)	
	Tetrachloroethene	20	17.5	ug/L	88			70 (67)	130 (123)	
	Chlorobenzene	20	18.0	ug/L	90			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VN084999.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1121WBSD02	Vinyl chloride	20	17.1	ug/L	86	10		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	17.6	ug/L	88	12		70 (74)	130 (110)	20 (20)
	2-Butanone	100	130	ug/L	130	17		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	5		70 (77)	130 (113)	20 (20)
	Chloroform	20	21.4	ug/L	107	13		70 (79)	130 (113)	20 (20)
	Benzene	20	19.4	ug/L	97	9		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.6	ug/L	108	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.1	ug/L	96	8		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	18.8	ug/L	94	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	9		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1121WBL02

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084997.D Lab Sample ID: VN1121WBL02

Date Analyzed: 11/21/2024 Time Analyzed: 16:21

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
VN1121WBS02	VN1121WBS02	VN084998.D	11/21/2024
VN1121WBSD02	VN1121WBSD02	VN084999.D	11/21/2024
WB-310-BOT	P4892-03	VN085001.D	11/21/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084994.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_N BFB Injection Time: 13:30

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	71.8 (96.2) 1
177	5.0 - 9.0% of mass 176	5.2 (7.3) 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	VN084995.D	11/21/2024	15:22
VN1121WBL02	VN1121WBL02	VN084997.D	11/21/2024	16:21
VN1121WBS02	VN1121WBS02	VN084998.D	11/21/2024	16:45
VN1121WBSD02	VN1121WBSD02	VN084999.D	11/21/2024	17:20
WB-310-BOT	P4892-03	VN085001.D	11/21/2024	18:08

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084995.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_N Time Analyzed: 15:22

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	156906	8.22	261929	9.10	230917	11.87
UPPER LIMIT	313812	8.718	523858	9.6	461834	12.365
LOWER LIMIT	78453	7.718	130965	8.6	115459	11.365
EPA SAMPLE NO.						
WB-310-BOT	163820	8.22	297677	9.10	265873	11.87
VN1121WBL02	178139	8.22	314864	9.10	264684	11.87
VN1121WBS02	154131	8.22	258963	9.09	225356	11.87
VN1121WBSD02	138009	8.22	233557	9.10	207781	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084995.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_N Time Analyzed: 15:22

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

	IS4 AREA #	RT #				
12 HOUR STD	117373	13.788				
UPPER LIMIT	234746	14.288				
LOWER LIMIT	58686.5	13.288				
EPA SAMPLE NO.						
WB-310-BOT	111856	13.79				
VN1121WBL02	112398	13.79				
VN1121WBS02	114991	13.79				
VN1121WBSD02	103882	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VN084997.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1121WBL02	SDG No.:	P4892
Lab Sample ID:	VN1121WBL02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084997.D	1		11/21/24 16:21	VN112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.218			
540-36-3	1,4-Difluorobenzene	315000	9.1			
3114-55-4	Chlorobenzene-d5	265000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.794			

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

Raw Data: **VN084998.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1121WBS02	SDG No.:	P4892
Lab Sample ID:	VN1121WBS02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084998.D	1		11/21/24 16:45	VN112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.5		0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.5		0.26	5.00	ug/L
78-93-3	2-Butanone	110		1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	5.00	ug/L
67-66-3	Chloroform	18.8		0.26	5.00	ug/L
71-43-2	Benzene	17.8		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	5.00	ug/L
79-01-6	Trichloroethene	17.7		0.32	5.00	ug/L
127-18-4	Tetrachloroethene	17.5		0.25	5.00	ug/L
108-90-7	Chlorobenzene	18.0		0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	154000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.094			
3114-55-4	Chlorobenzene-d5	225000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

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

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

Raw Data: **VN084999.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1121WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1121WBSD02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084999.D	1		11/21/24 17:20	VN112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.1		0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	5.00	ug/L
78-93-3	2-Butanone	130		1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	5.00	ug/L
67-66-3	Chloroform	21.4		0.26	5.00	ug/L
71-43-2	Benzene	19.4		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.24	5.00	ug/L
79-01-6	Trichloroethene	19.1		0.32	5.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.25	5.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	8.218			
540-36-3	1,4-Difluorobenzene	234000	9.1			
3114-55-4	Chlorobenzene-d5	208000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788			

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date/Time: 11/21/2024 15:22

Lab File ID: VN084995.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.584		-5.5	20
1,1-Dichloroethene	0.569	0.574		0.88	20
2-Butanone	0.337	0.448		32.94	20
Carbon Tetrachloride	0.525	0.606		15.43	20
Chloroform	1.121	1.295		15.52	20
Benzene	1.507	1.618		7.37	20
1,2-Dichloroethane	0.488	0.558		14.34	20
Trichloroethene	0.348	0.375		7.76	20
Tetrachloroethene	0.333	0.360		8.11	20
Chlorobenzene	1.119	1.238	0.3	10.63	20
1,2-Dichloroethane-d4	0.722	0.673		-6.79	20
Dibromofluoromethane	0.338	0.331		-2.07	20
Toluene-d8	1.247	1.154		-7.46	20
4-Bromofluorobenzene	0.466	0.442		-5.15	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN085001.D
Acq On : 21 Nov 2024 18:08
Operator : JC\MD
Sample : P4892-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 22 04:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121255	51.246	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	8.165	113	95988	47.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.280%			
50) Toluene-d8	10.565	98	346670	46.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.420%			
62) 4-Bromofluorobenzene	12.847	95	128097	46.178	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.360%			
Target Compounds						Qvalue
16) Acetone	4.436	43	21682	29.204	ug/l	100
43) Isopropyl Acetate	8.688	43	143683m	30.295	ug/l	

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

Sample Results: **VN085001.D**

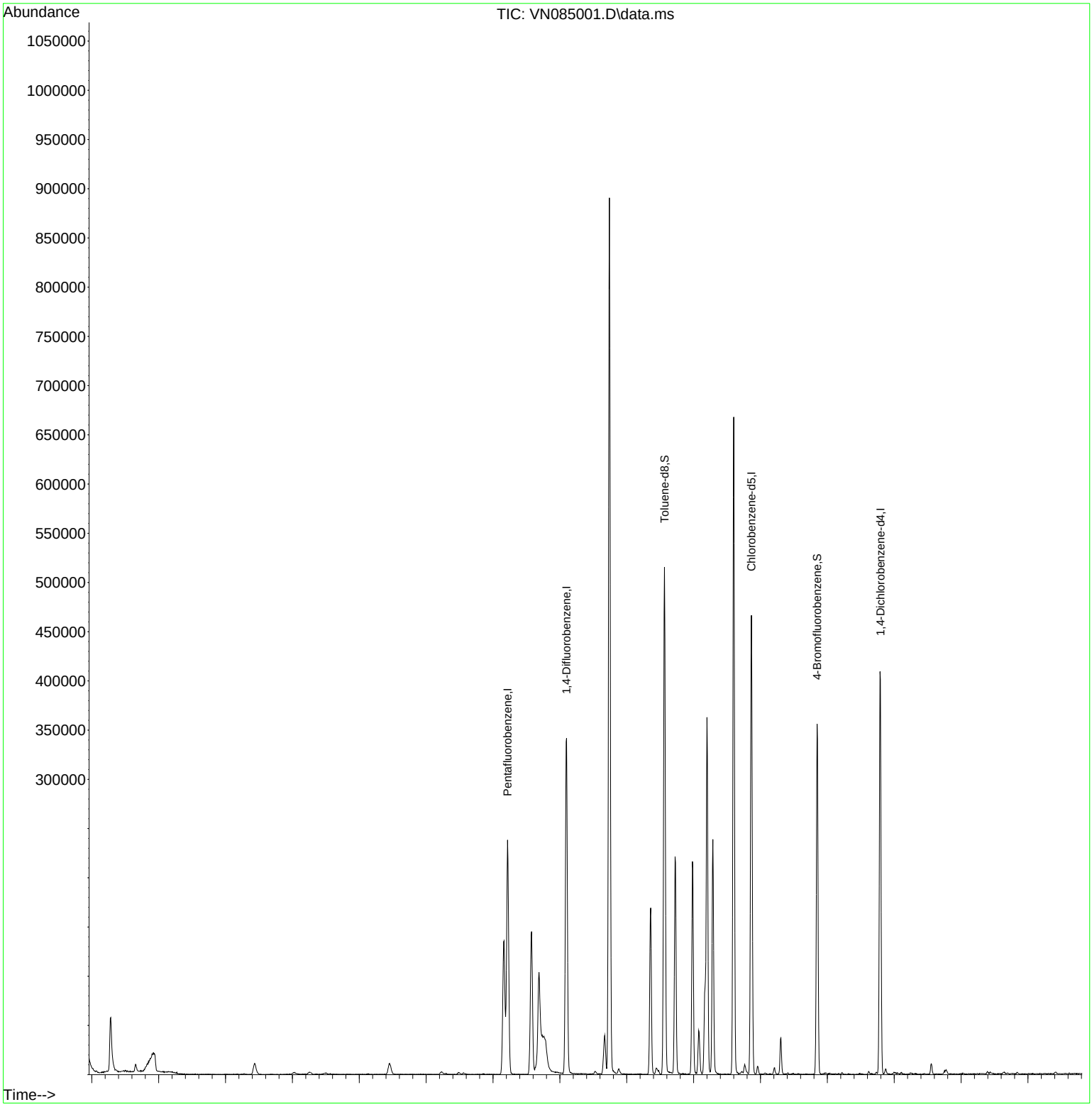
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN085001.D
Acq On : 21 Nov 2024 18:08
Operator : JC\MD
Sample : P4892-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

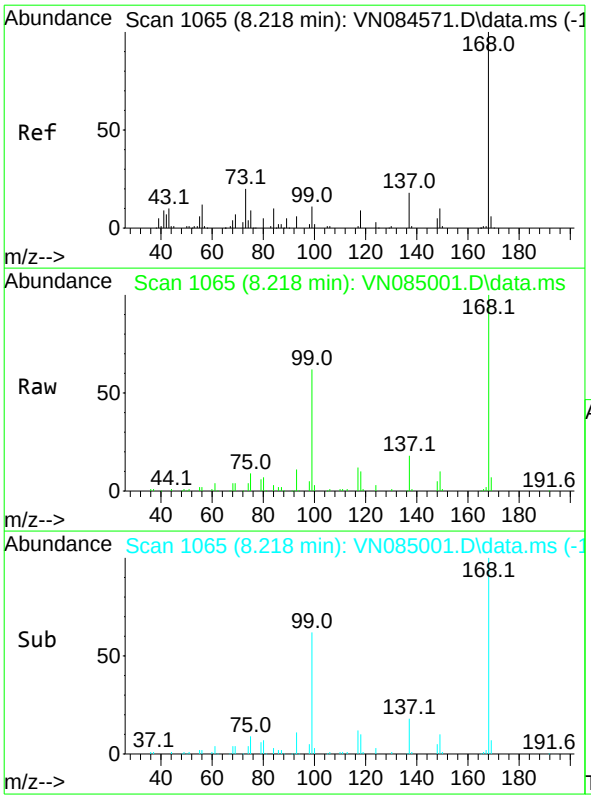
Quant Time: Nov 22 04:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

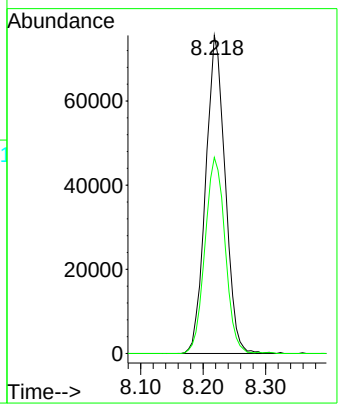




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:168 Resp: 163820

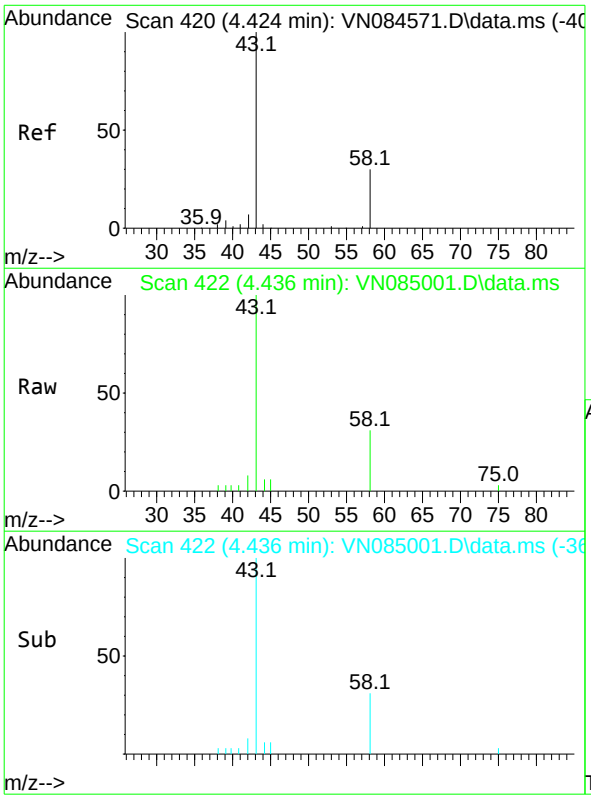
Ion	Ratio	Lower	Upper
168	100		
99	61.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations
APPROVED

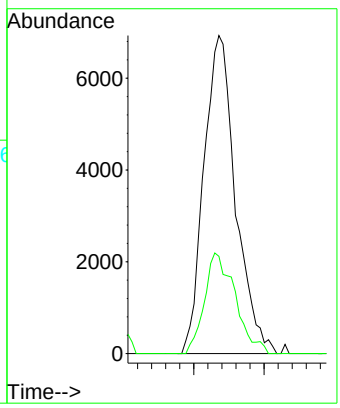
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

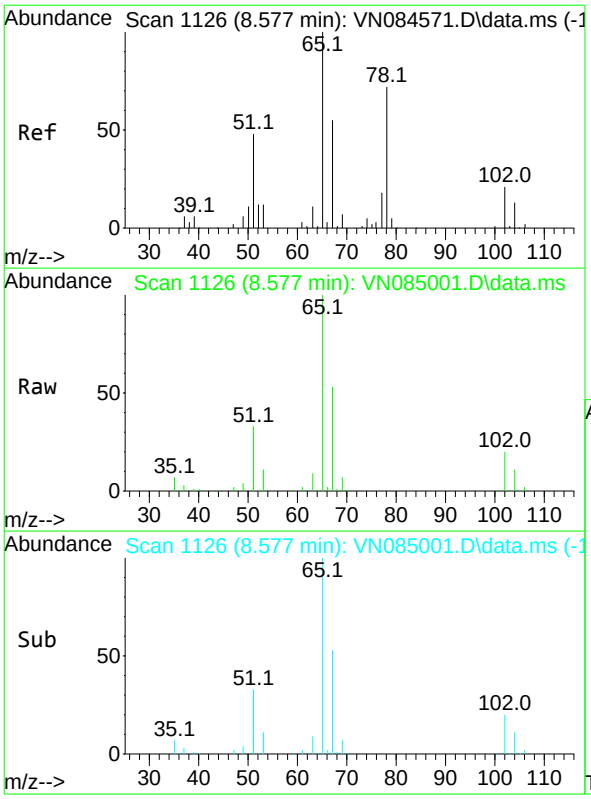


#16
Acetone
Concen: 29.204 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 43 Resp: 21682

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6

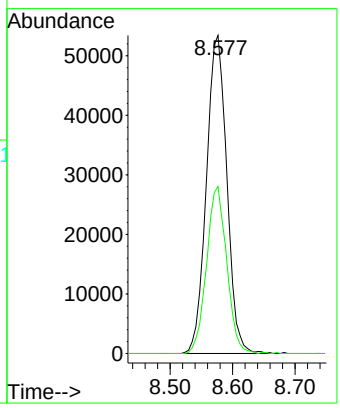




#33
1,2-Dichloroethane-d4
Concen: 51.246 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 65 Resp: 121255

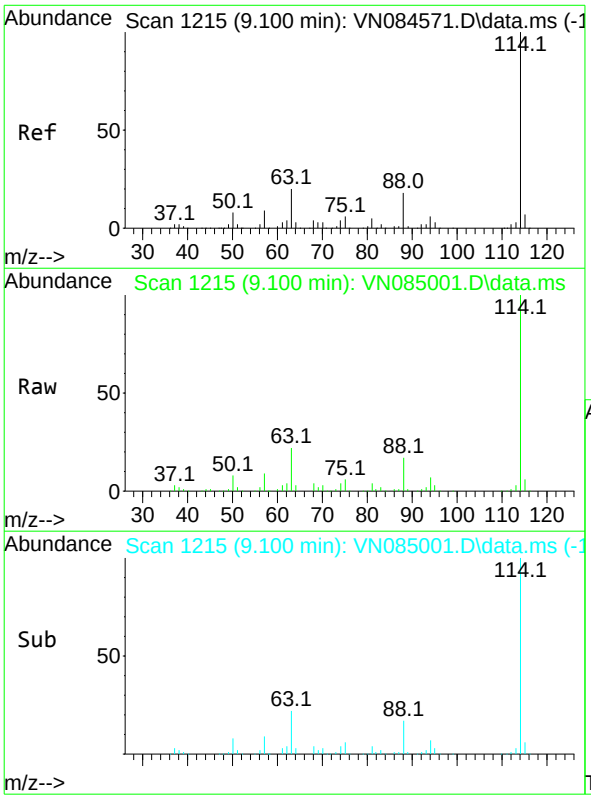
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations
APPROVED

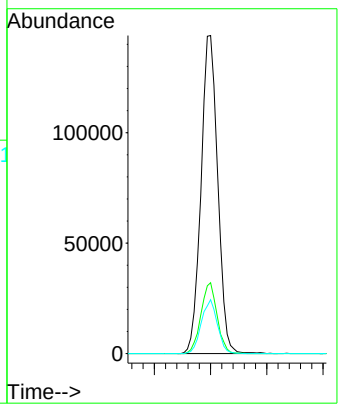
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

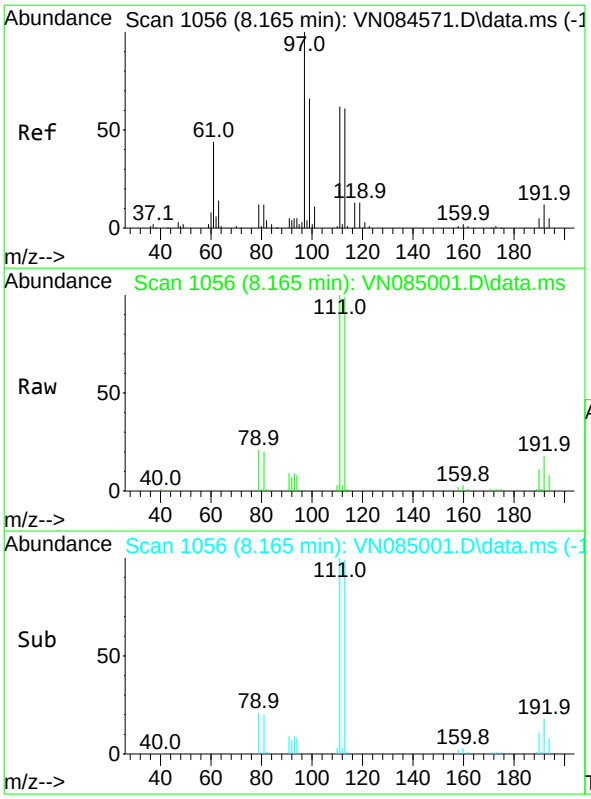


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:114 Resp: 297677

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.9	0.0	31.6

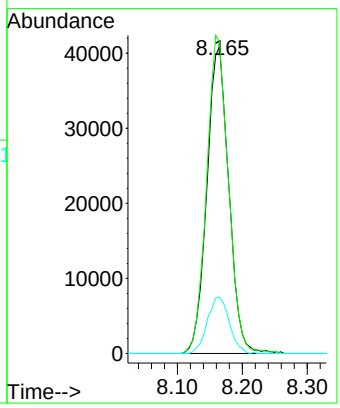




#35
Dibromofluoromethane
Concen: 47.639 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:113 Resp: 95988

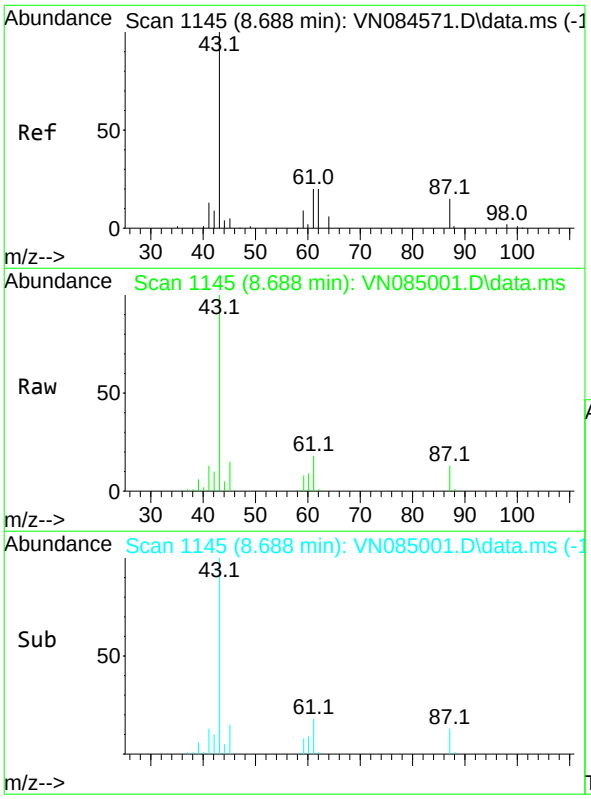
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations
APPROVED

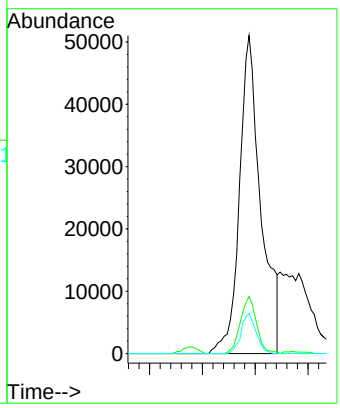
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

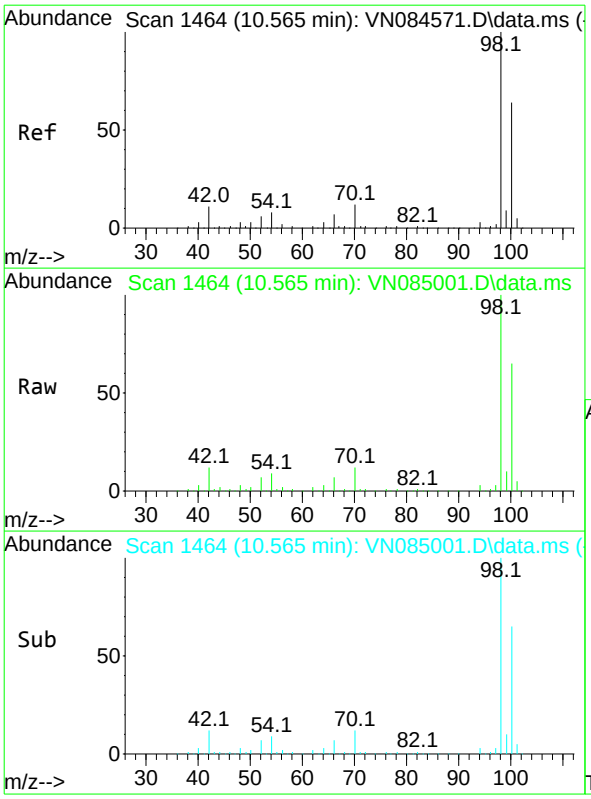


#43
Isopropyl Acetate
Concen: 30.295 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 43 Resp: 143683

Ion	Ratio	Lower	Upper
43	100		
61	13.6	20.4	30.6#
87	8.9	10.3	15.5#

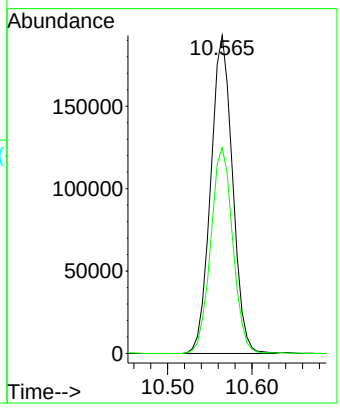




#50
Toluene-d8
Concen: 46.707 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 98 Resp: 346670

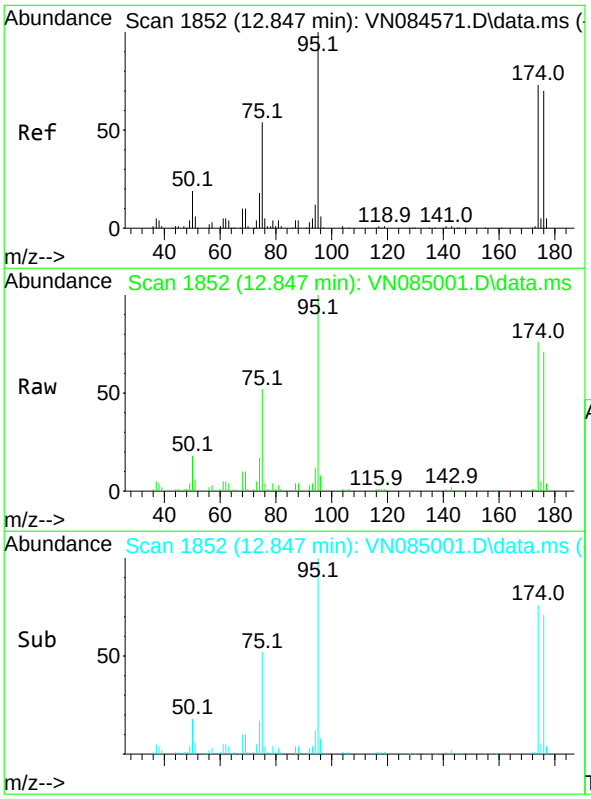
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations
APPROVED

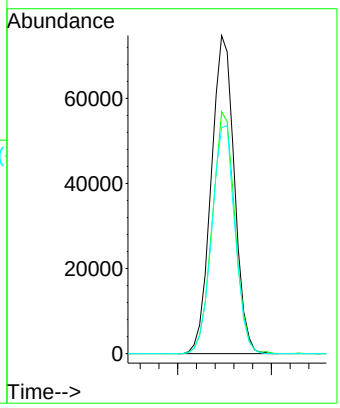
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

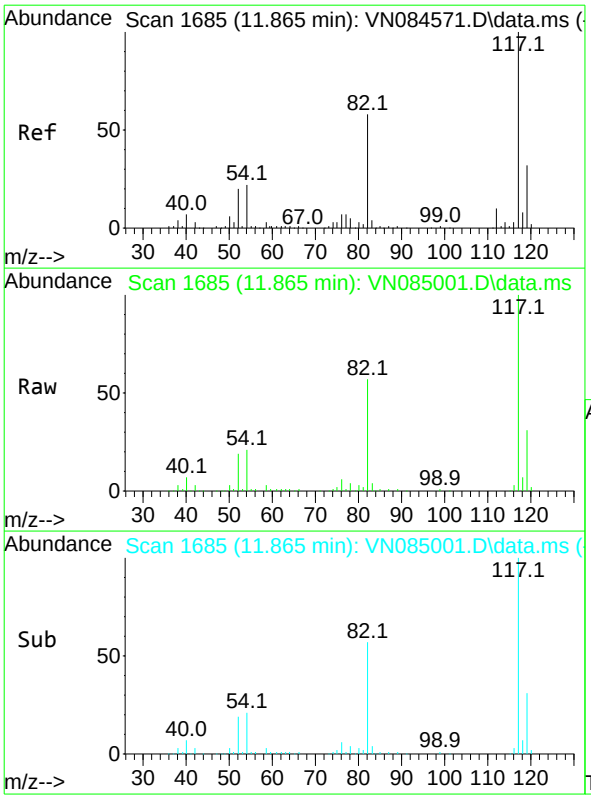


#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 95 Resp: 128097

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	72.0	0.0	140.0

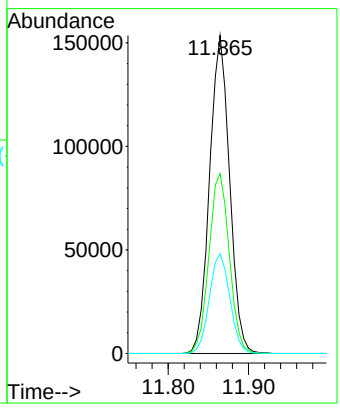




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:117 Resp: 265873

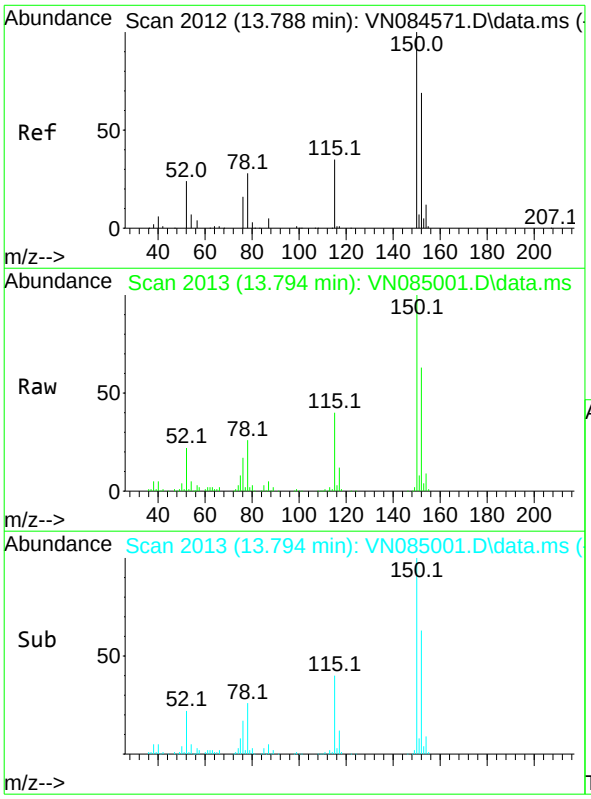
Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
WB-310-BOT

Manual Integrations
APPROVED

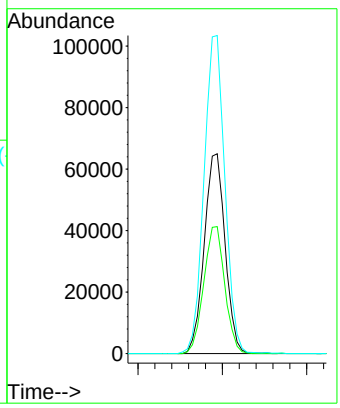
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:152 Resp: 111856

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.9
150	159.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084997.D
Acq On : 21 Nov 2024 16:21
Operator : JC\MD
Sample : VN1121WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Quant Time: Nov 22 04:35:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

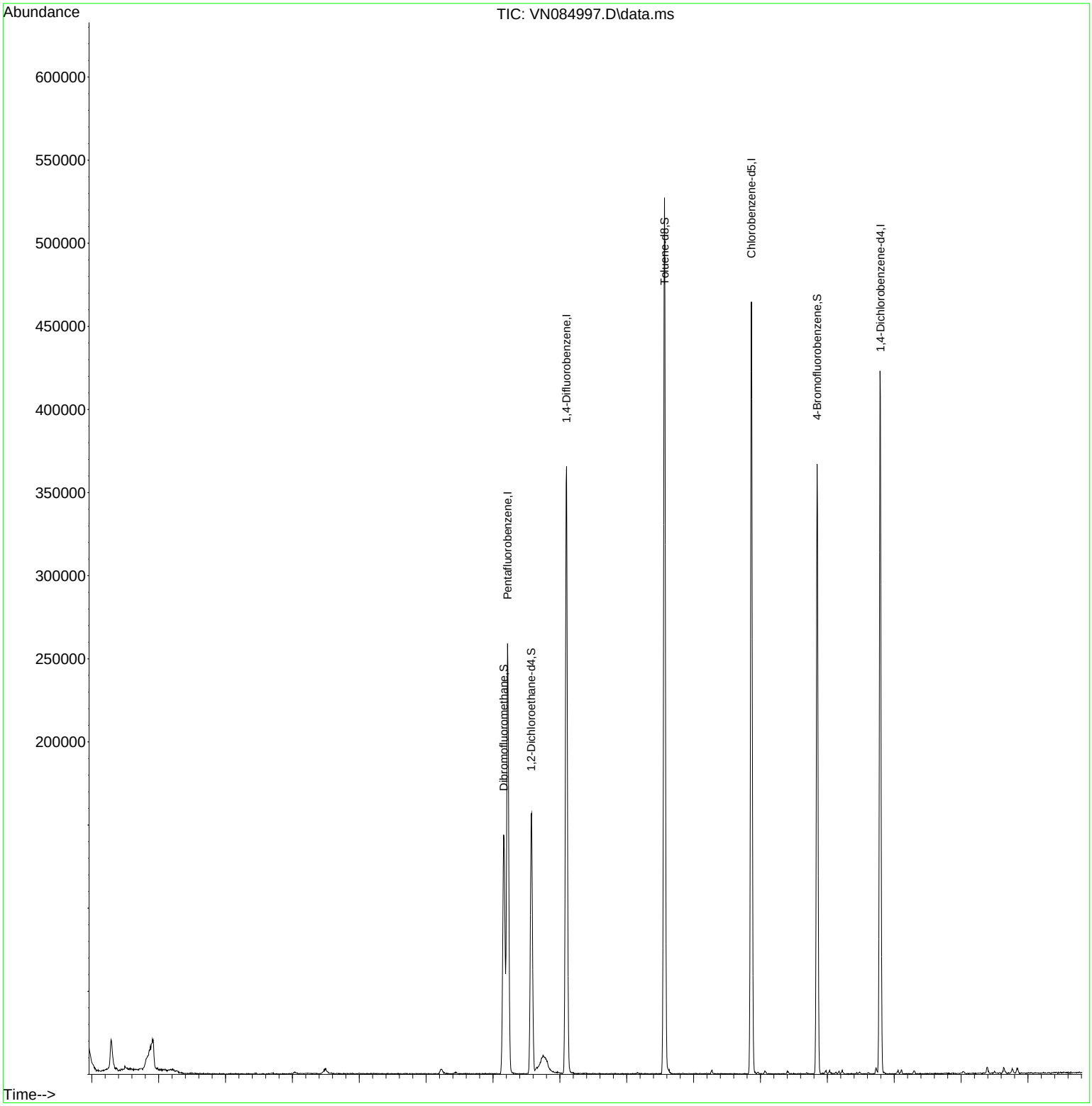
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	130020	50.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	8.159	113	103562	48.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.565	98	361964	46.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.220%			
62) 4-Bromofluorobenzene	12.847	95	128897	43.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.860%			
Target Compounds						Qvalue

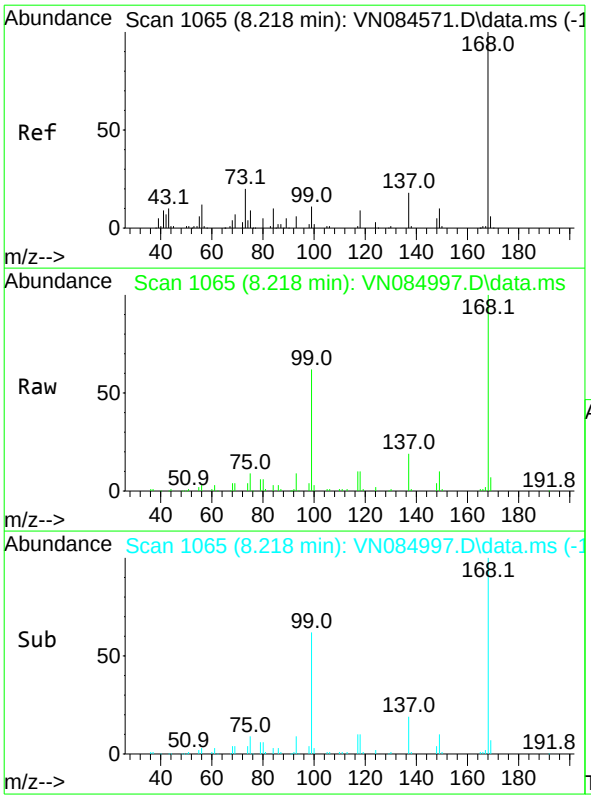
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084997.D
Acq On : 21 Nov 2024 16:21
Operator : JC\MD
Sample : VN1121WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Quant Time: Nov 22 04:35:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



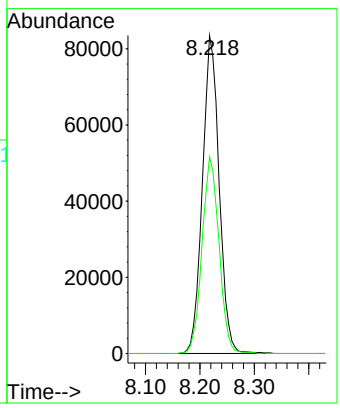


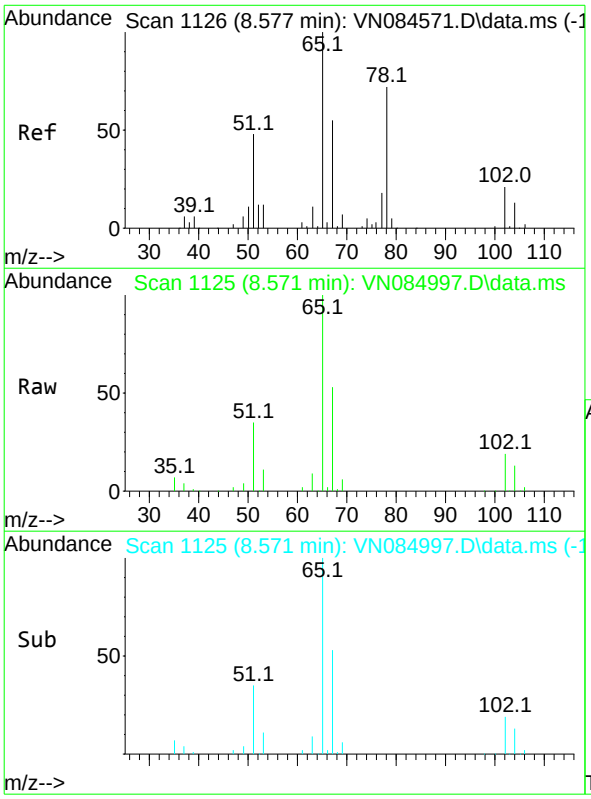
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Tgt Ion:168 Resp: 178139

Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

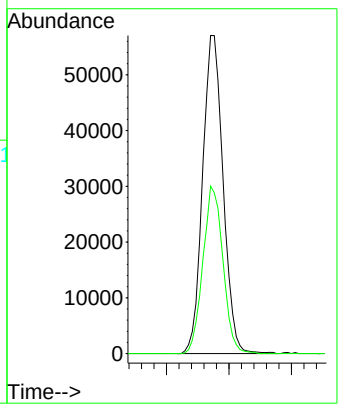


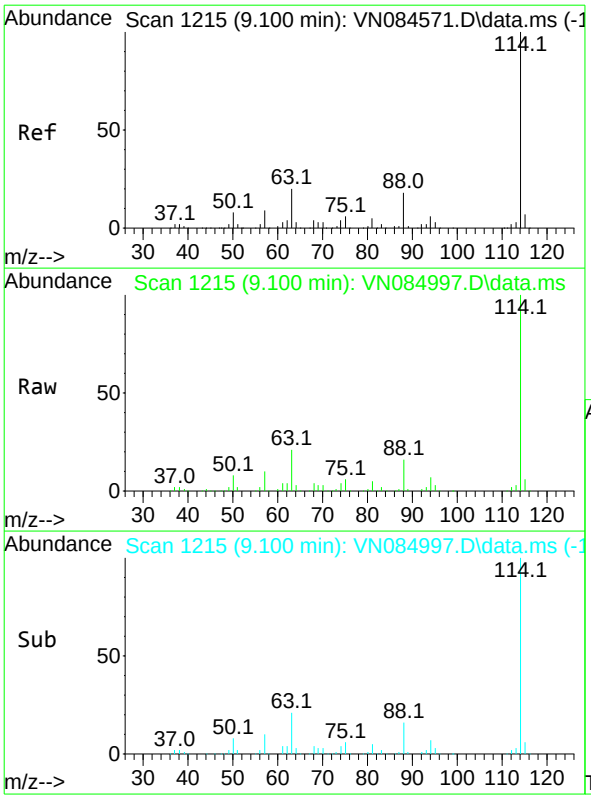


#33
1,2-Dichloroethane-d4
Concen: 50.534 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 65 Resp: 130020

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



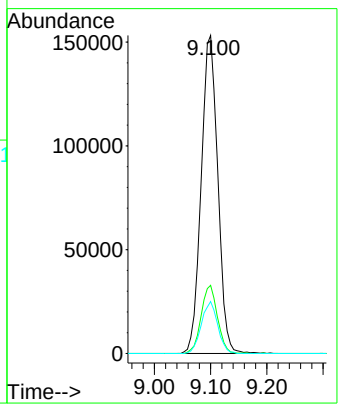


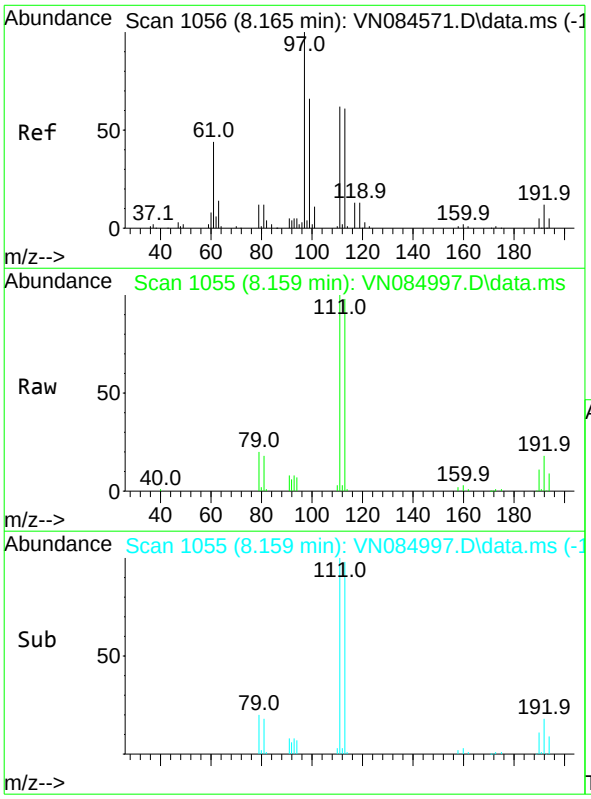
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Tgt Ion:114 Resp: 314864

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6

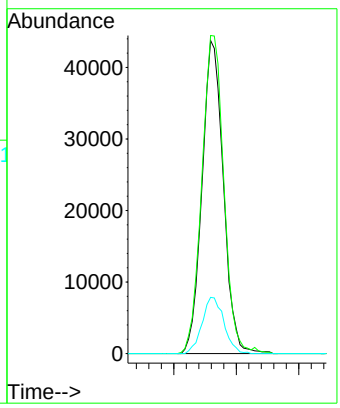


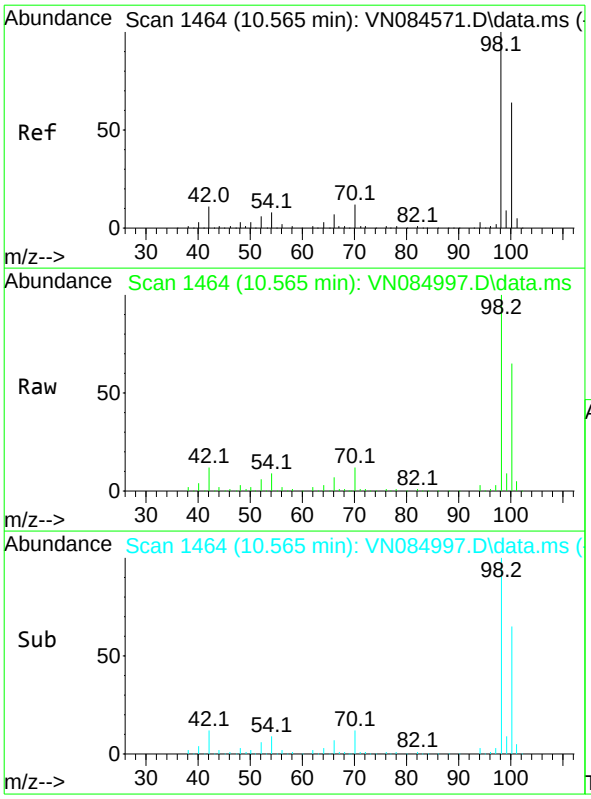


#35
Dibromofluoromethane
Concen: 48.592 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion:113 Resp: 103562

Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.3	124.9
192	18.4	13.5	20.3



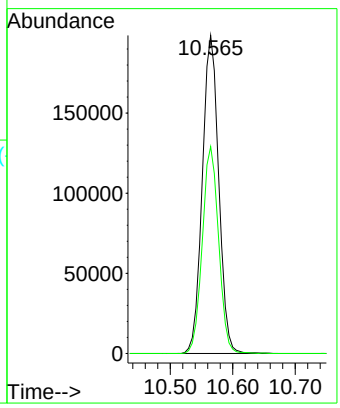


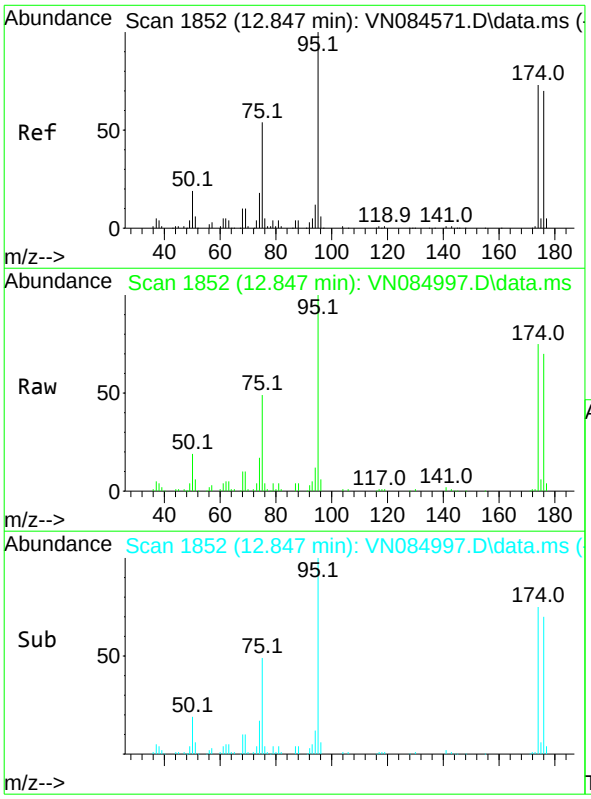
#50
Toluene-d8
Concen: 46.105 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Tgt Ion: 98 Resp: 361964

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

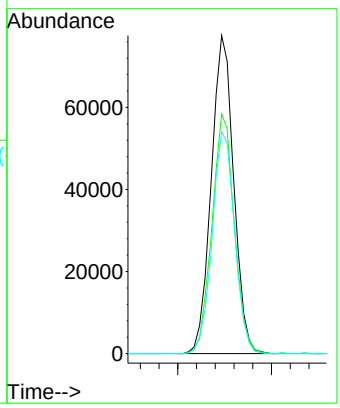


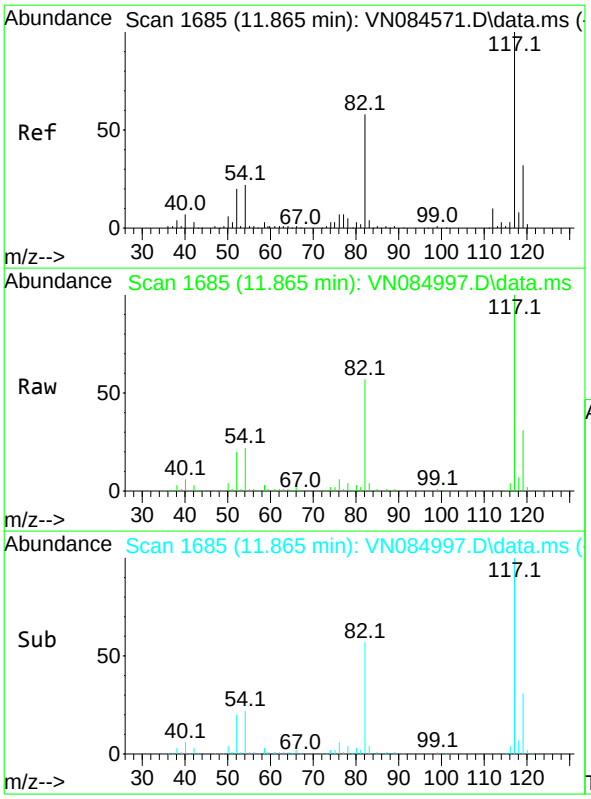


#62
4-Bromofluorobenzene
Concen: 43.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 95 Resp: 128897

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.0	0.0	140.0



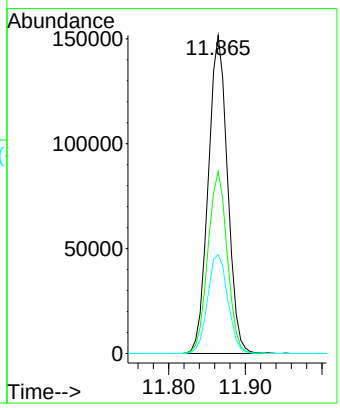


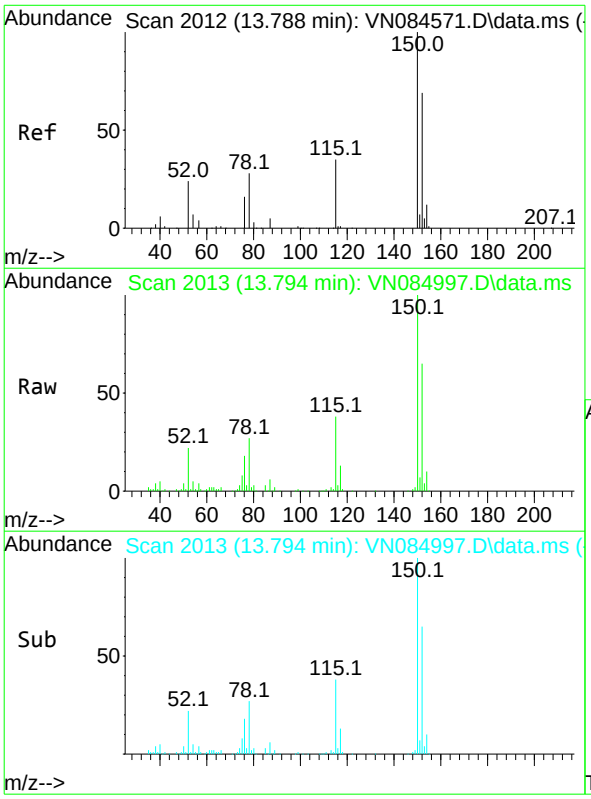
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBL02

Tgt Ion:117 Resp: 264684

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.2	70.8
119	31.1	25.4	38.0

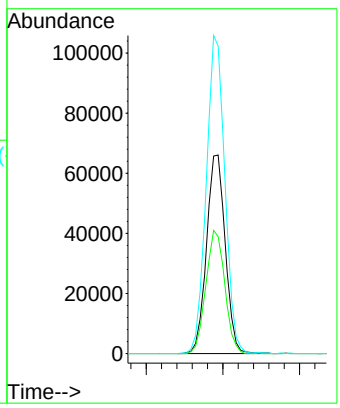




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion:152 Resp: 112398

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	158.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084998.D
Acq On : 21 Nov 2024 16:45
Operator : JC\MD
Sample : VN1121WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 04:35:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	258963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110862	49.799	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.600%			
35) Dibromofluoromethane	8.159	113	89596	51.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	10.565	98	307545	47.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.260%			
62) 4-Bromofluorobenzene	12.847	95	117875	48.846	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	28336	15.992	ug/l	96
3) Chloromethane	2.359	50	30744	12.918	ug/l	97
4) Vinyl Chloride	2.512	62	29499	15.479	ug/l	99
5) Bromomethane	2.901	94	16748	16.587	ug/l	99
6) Chloroethane	3.065	64	21583	17.386	ug/l	89
7) Trichlorofluoromethane	3.465	101	55533	17.690	ug/l	100
8) Diethyl Ether	3.953	74	19701	17.790	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	33184	18.707	ug/l	96
10) Methyl Iodide	4.577	142	38669	16.311	ug/l	97
11) Tert butyl alcohol	5.542	59	35340	120.266	ug/l	98
12) 1,1-Dichloroethene	4.324	96	27233	15.515	ug/l	95
13) Acrolein	4.171	56	23735	81.002	ug/l	96
14) Allyl chloride	5.012	41	50945	17.897	ug/l	90
15) Acrylonitrile	5.718	53	88824	104.415	ug/l	99
16) Acetone	4.430	43	70486	107.990	ug/l	98
17) Carbon Disulfide	4.695	76	67320	12.454	ug/l	97
18) Methyl Acetate	5.012	43	48958	18.312	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	105860	19.677	ug/l	99
20) Methylene Chloride	5.265	84	34996	17.874	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	29403	16.314	ug/l	93
22) Diisopropyl ether	6.671	45	108238	19.136	ug/l	96
23) Vinyl Acetate	6.600	43	393116	100.786	ug/l	99
24) 1,1-Dichloroethane	6.559	63	62917	18.528	ug/l	95
25) 2-Butanone	7.483	43	115459	111.170	ug/l	97
26) 2,2-Dichloropropane	7.483	77	56201	19.015	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	37773	17.949	ug/l	98
28) Bromochloromethane	7.818	49	26462	19.559	ug/l	95
29) Tetrahydrofuran	7.841	42	74522	108.158	ug/l	96
30) Chloroform	7.959	83	64875	18.770	ug/l	100
31) Cyclohexane	8.253	56	50509	16.434	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	60317	19.174	ug/l	95
36) 1,1-Dichloropropene	8.365	75	41708	17.157	ug/l	100
37) Ethyl Acetate	7.553	43	47667	21.611	ug/l	100
38) Carbon Tetrachloride	8.359	117	51661	19.012	ug/l	97
39) Methylcyclohexane	9.594	83	41075	16.609	ug/l	94
40) Benzene	8.600	78	139038	17.809	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084998.D
Acq On : 21 Nov 2024 16:45
Operator : JC\MD
Sample : VN1121WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 04:35:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25306	21.335 ug/l	96
42) 1,2-Dichloroethane	8.665	62	49275	19.489 ug/l	100
43) Isopropyl Acetate	8.688	43	89042	21.298 ug/l	98
44) Trichloroethene	9.347	130	31910	17.723 ug/l	98
45) 1,2-Dichloropropane	9.618	63	34797	19.000 ug/l	97
46) Dibromomethane	9.706	93	25233	19.526 ug/l	98
47) Bromodichloromethane	9.888	83	52647	19.327 ug/l #	96
48) Methyl methacrylate	9.677	41	36398	21.204 ug/l	99
49) 1,4-Dioxane	9.694	88	13569	446.070 ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	238130	113.253 ug/l	100
52) Toluene	10.629	92	86676	18.983 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	49891	17.694 ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	55110	18.466 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	35205	20.469 ug/l	93
56) Ethyl methacrylate	10.871	69	52078	20.933 ug/l	97
57) 1,3-Dichloropropane	11.159	76	57469	19.469 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	111828	96.061 ug/l	98
59) 2-Hexanone	11.194	43	177051	115.684 ug/l	99
60) Dibromochloromethane	11.359	129	40410	20.615 ug/l	97
61) 1,2-Dibromoethane	11.471	107	34339	19.496 ug/l	99
64) Tetrachloroethene	11.100	164	26302	17.546 ug/l	99
65) Chlorobenzene	11.888	112	90710	17.992 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	34992	19.954 ug/l	99
67) Ethyl Benzene	11.965	91	153382	18.226 ug/l	99
68) m/p-Xylenes	12.071	106	118552	37.210 ug/l	98
69) o-Xylene	12.394	106	58885	19.757 ug/l	99
70) Styrene	12.412	104	97931	18.836 ug/l	98
71) Bromoform	12.576	173	26248	19.892 ug/l #	98
73) Isopropylbenzene	12.694	105	150369	18.660 ug/l	99
74) N-amyl acetate	12.494	43	64055	18.676 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	52309	19.447 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	48159m	20.951 ug/l	
77) Bromobenzene	12.982	156	36455	16.828 ug/l	99
78) n-propylbenzene	13.035	91	167227	17.709 ug/l	98
79) 2-Chlorotoluene	13.123	91	108273	17.548 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	125905	18.851 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	16778	17.317 ug/l	88
82) 4-Chlorotoluene	13.223	91	110479	17.014 ug/l	99
83) tert-Butylbenzene	13.435	119	103072	18.647 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	126064	18.288 ug/l	99
85) sec-Butylbenzene	13.618	105	140577	18.004 ug/l	100
86) p-Isopropyltoluene	13.729	119	116339	18.168 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	68366	16.171 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	66546	16.427 ug/l	98
89) n-Butylbenzene	14.059	91	92685	15.473 ug/l	99
90) Hexachloroethane	14.329	117	25155	17.615 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	68476	16.855 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10922	20.044 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	32566	14.645 ug/l	98
94) Hexachlorobutadiene	15.494	225	15921	16.304 ug/l	98
95) Naphthalene	15.641	128	103478	15.547 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	32807	15.199 ug/l	99

Sample Results: **VN084998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084998.D
Acq On : 21 Nov 2024 16:45
Operator : JC\MD
Sample : VN1121WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 04:35:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

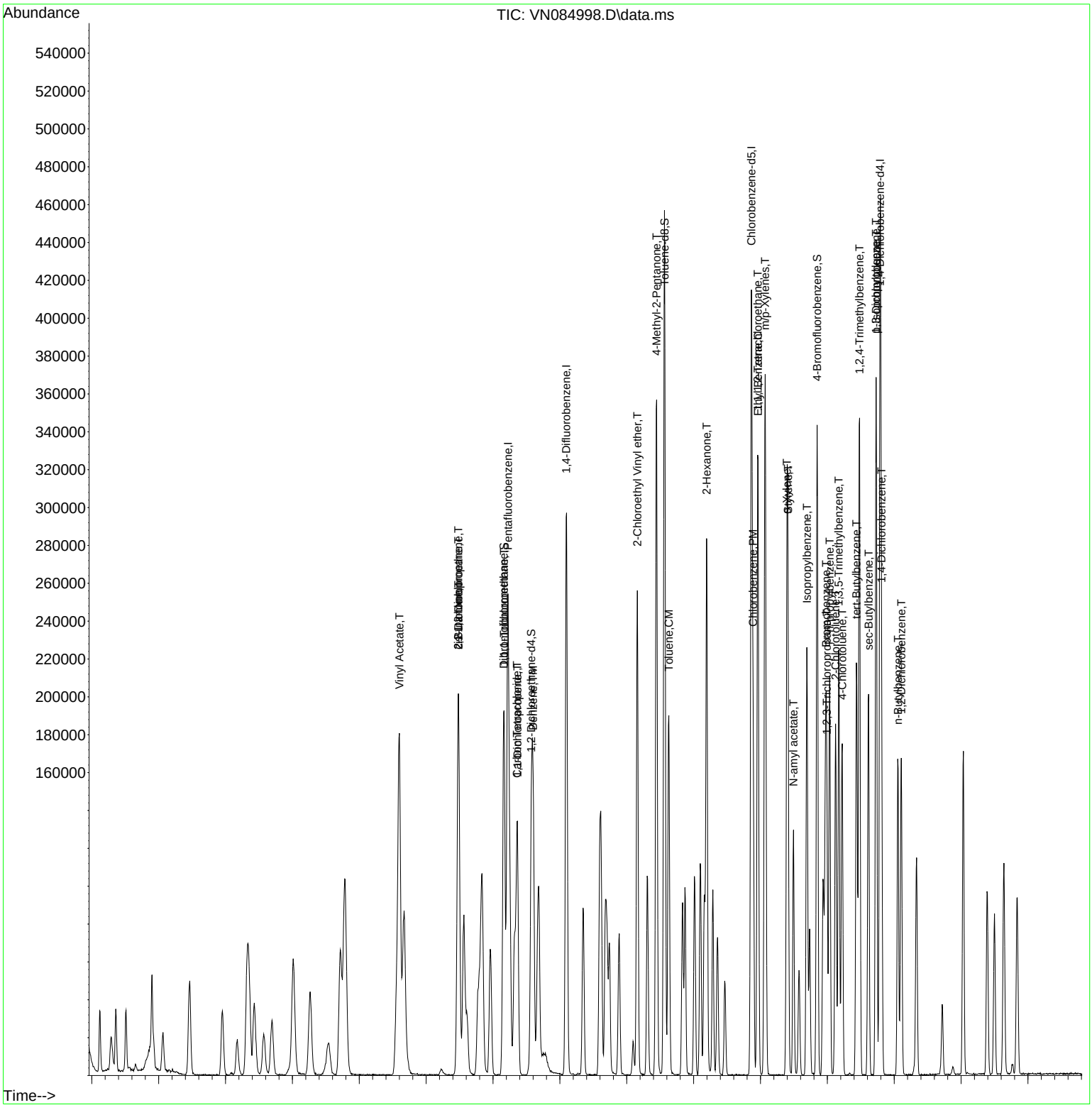
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084998.D
Acq On : 21 Nov 2024 16:45
Operator : JC\MD
Sample : VN1121WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 04:35:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084999.D
Acq On : 21 Nov 2024 17:20
Operator : JC\MD
Sample : VN1121WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 04:36:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	138009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	233557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	104684	52.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.040%			
35) Dibromofluoromethane	8.165	113	81197	51.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	10.565	98	276774	47.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.060%			
62) 4-Bromofluorobenzene	12.847	95	111628	51.289	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	27887	17.578	ug/l	95
3) Chloromethane	2.359	50	29638	14.112	ug/l	96
4) Vinyl Chloride	2.506	62	29127	17.069	ug/l	95
5) Bromomethane	2.900	94	15792	17.467	ug/l	84
6) Chloroethane	3.077	64	20174	18.212	ug/l	98
7) Trichlorofluoromethane	3.471	101	52849	18.801	ug/l	95
8) Diethyl Ether	3.953	74	20877	21.054	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	31186	19.635	ug/l	99
10) Methyl Iodide	4.583	142	38973	18.359	ug/l	99
11) Tert butyl alcohol	5.536	59	37105	141.023	ug/l	97
12) 1,1-Dichloroethene	4.324	96	27613	17.570	ug/l	93
13) Acrolein	4.177	56	23591	89.916	ug/l	99
14) Allyl chloride	5.018	41	49617	19.467	ug/l	92
15) Acrylonitrile	5.718	53	89864	117.979	ug/l	99
16) Acetone	4.424	43	77510	133.282	ug/l	97
17) Carbon Disulfide	4.700	76	64909	13.411	ug/l	98
18) Methyl Acetate	5.018	43	50541	21.776	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	108026	22.425	ug/l	98
20) Methylene Chloride	5.265	84	35202	20.079	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	29581	18.330	ug/l	91
22) Diisopropyl ether	6.671	45	109284	21.579	ug/l	97
23) Vinyl Acetate	6.600	43	393881	112.778	ug/l	98
24) 1,1-Dichloroethane	6.559	63	61415	20.198	ug/l	97
25) 2-Butanone	7.482	43	121248	130.382	ug/l	97
26) 2,2-Dichloropropane	7.482	77	53525	20.225	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	38352	20.353	ug/l	95
28) Bromochloromethane	7.812	49	26997	22.286	ug/l	95
29) Tetrahydrofuran	7.841	42	76451	123.920	ug/l	97
30) Chloroform	7.959	83	66231	21.401	ug/l	93
31) Cyclohexane	8.253	56	46156	16.772	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	58498	20.768	ug/l	94
36) 1,1-Dichloropropene	8.365	75	40212	18.341	ug/l	98
37) Ethyl Acetate	7.559	43	49202	24.734	ug/l	99
38) Carbon Tetrachloride	8.359	117	48836	19.928	ug/l	99
39) Methylcyclohexane	9.600	83	39783	17.836	ug/l	97
40) Benzene	8.600	78	136317	19.360	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084999.D
Acq On : 21 Nov 2024 17:20
Operator : JC\MD
Sample : VN1121WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 04:36:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	25461	23.801	ug/l		94
42) 1,2-Dichloroethane	8.671	62	49280	21.611	ug/l		99
43) Isopropyl Acetate	8.688	43	87879	23.399	ug/l		98
44) Trichloroethene	9.353	130	31053	19.123	ug/l		90
45) 1,2-Dichloropropane	9.618	63	34288	20.759	ug/l		90
46) Dibromomethane	9.706	93	25190	21.613	ug/l		99
47) Bromodichloromethane	9.888	83	52560	21.394	ug/l	#	95
48) Methyl methacrylate	9.676	41	37388	24.150	ug/l		99
49) 1,4-Dioxane	9.700	88	12710	463.282	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.441	43	247482	130.504	ug/l		99
52) Toluene	10.629	92	84845	20.603	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	50847	19.994	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	55489	20.616	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	34815	22.444	ug/l		96
56) Ethyl methacrylate	10.870	69	54290	24.196	ug/l		93
57) 1,3-Dichloropropane	11.159	76	57832	21.723	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	114207	108.776	ug/l		96
59) 2-Hexanone	11.194	43	185307	134.249	ug/l		100
60) Dibromochloromethane	11.359	129	40195	22.736	ug/l		100
61) 1,2-Dibromoethane	11.465	107	34708	21.850	ug/l		99
64) Tetrachloroethene	11.100	164	25981	18.798	ug/l		96
65) Chlorobenzene	11.888	112	90488	19.466	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	34891	21.579	ug/l		98
67) Ethyl Benzene	11.965	91	151552	19.532	ug/l		98
68) m/p-Xylenes	12.070	106	118016	40.175	ug/l		100
69) o-Xylene	12.394	106	58082	21.136	ug/l		99
70) Styrene	12.412	104	97305	20.298	ug/l		98
71) Bromoform	12.576	173	27905	22.936	ug/l	#	99
73) Isopropylbenzene	12.694	105	142970	19.639	ug/l		100
74) N-amyl acetate	12.494	43	67634	21.829	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	53957	22.205	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	42244m	20.343	ug/l		
77) Bromobenzene	12.982	156	37591	19.208	ug/l		98
78) n-propylbenzene	13.035	91	169045	19.816	ug/l		99
79) 2-Chlorotoluene	13.123	91	110371	19.801	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	125282	20.764	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	19035	21.747	ug/l		97
82) 4-Chlorotoluene	13.217	91	112209	19.128	ug/l		100
83) tert-Butylbenzene	13.435	119	105896	21.207	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	127537	20.480	ug/l		100
85) sec-Butylbenzene	13.611	105	142998	20.273	ug/l		99
86) p-Isopropyltoluene	13.729	119	117693	20.345	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	69136	18.102	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	69680	19.192	ug/l		99
89) n-Butylbenzene	14.053	91	94663	17.494	ug/l		100
90) Hexachloroethane	14.335	117	23840	18.479	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	69363	18.899	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11213	22.778	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	33952	16.902	ug/l		99
94) Hexachlorobutadiene	15.500	225	15783	17.891	ug/l		98
95) Naphthalene	15.641	128	110187	18.326	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	33367	17.111	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084999.D
Acq On : 21 Nov 2024 17:20
Operator : JC\MD
Sample : VN1121WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 04:36:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

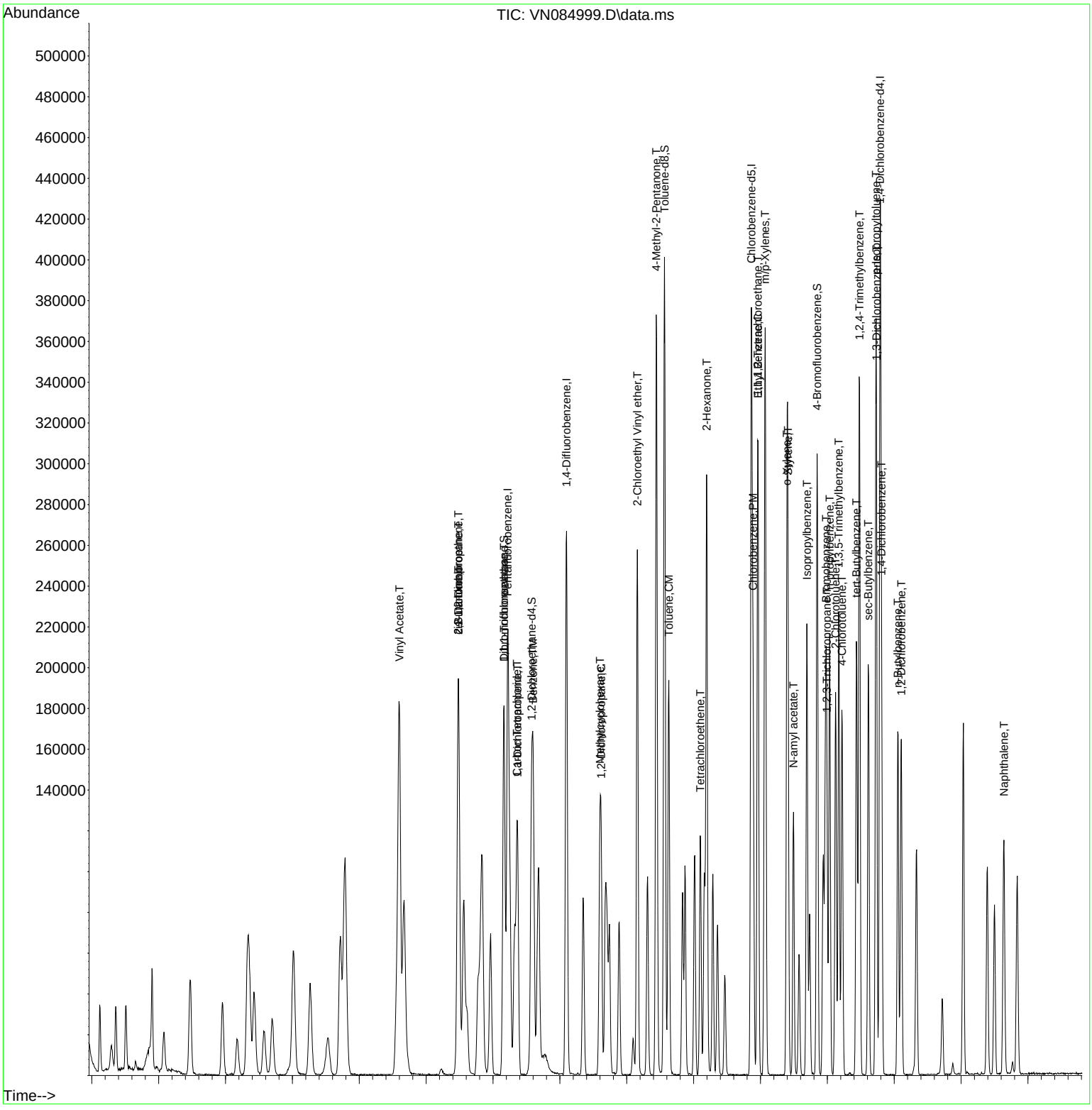
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084999.D
Acq On : 21 Nov 2024 17:20
Operator : JC\MD
Sample : VN1121WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 04:36:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	VN112124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN084987.D	1,2,3-Trichloropropane	JOHN	11/21/2024 3:20:49 PM	MMDadoda	11/22/2024 3:31:44 PM	Peak Integrated by Software
VSTDCCC020	VN084987.D	Methyl tert-Butyl Ether	JOHN	11/21/2024 3:20:49 PM	MMDadoda	11/22/2024 3:31:44 PM	Peak Integrated by Software
VSTDCCC020	VN084987.D	tert-Butyl Alcohol	JOHN	11/21/2024 3:20:49 PM	MMDadoda	11/22/2024 3:31:44 PM	Peak Integrated by Software
VSTDCCC020	VN084993.D	1,2,3-Trichloropropane	JOHN	11/21/2024 3:21:04 PM	MMDadoda	11/22/2024 3:31:49 PM	Peak Integrated by Software
VSTDCCC050	VN084995.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:41:19 AM	MMDadoda	11/22/2024 3:31:52 PM	Peak Integrated by Software
VN1121WBS02	VN084998.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:41:23 AM	MMDadoda	11/22/2024 3:31:54 PM	Peak Integrated by Software
VN1121WBSD02	VN084999.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:41:28 AM	MMDadoda	11/22/2024 3:31:56 PM	Peak Integrated by Software
P4892-03	VN085001.D	Isopropyl Acetate	JOHN	11/22/2024 9:41:32 AM	MMDadoda	11/22/2024 3:31:58 PM	Peak Integrated by Software
VSTDCCC050	VN085002.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:41:49 AM	MMDadoda	11/22/2024 3:32:01 PM	Peak Integrated by Software
VSTDCCC050	VN085002.D	trans-1,4-Dichloro-2-butene	JOHN	11/22/2024 9:41:49 AM	MMDadoda	11/22/2024 3:32:01 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112124

Review By	John Carlone	Review On	11/22/2024 9:42:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:32:07 PM		
SubDirectory	VN112124	HP Acquire Method		HP Processing Method	624N103124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131687,VP131713
Initial Calibration Stds	
CCC	VP131688,VP131689,VP131714,VP131715
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084986.D	21 Nov 2024 09:33	JC\MD	Ok
2	VSTDCCC020	VN084987.D	21 Nov 2024 10:09	JC\MD	Ok,M
3	VN1121WBS01	VN084988.D	21 Nov 2024 10:45	JC\MD	Ok,M
4	VN1121WBSD01	VN084989.D	21 Nov 2024 11:20	JC\MD	Not Ok
5	VN1121WBL01	VN084990.D	21 Nov 2024 11:43	JC\MD	Ok
6	P4853-01DL	VN084991.D	21 Nov 2024 12:18	JC\MD	Ok,M
7	P4853-02DL	VN084992.D	21 Nov 2024 12:42	JC\MD	Ok
8	VSTDCCC020	VN084993.D	21 Nov 2024 13:06	JC\MD	Ok,M
9	BFB	VN084994.D	21 Nov 2024 13:30	JC\MD	Ok
10	VSTDCCC050	VN084995.D	21 Nov 2024 15:22	JC\MD	Ok,M
11	VN1121MBL01	VN084996.D	21 Nov 2024 15:57	JC\MD	Ok
12	VN1121WBL02	VN084997.D	21 Nov 2024 16:21	JC\MD	Ok
13	VN1121WBS02	VN084998.D	21 Nov 2024 16:45	JC\MD	Ok,M
14	VN1121WBSD02	VN084999.D	21 Nov 2024 17:20	JC\MD	Ok,M
15	P4929-02	VN085000.D	21 Nov 2024 17:44	JC\MD	Ok
16	P4892-03	VN085001.D	21 Nov 2024 18:08	JC\MD	Ok,M
17	VSTDCCC050	VN085002.D	21 Nov 2024 18:32	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # VN112124

Review By	John Carlone	Review On	11/22/2024 9:42:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:32:07 PM		
SubDirectory	VN112124	HP Acquire Method		HP Processing Method	624N103124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131687,VP131713
Initial Calibration Stds	
CCC	VP131688,VP131689,VP131714,VP131715
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	VN084986.D	21 Nov 2024 09:33		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN084987.D	21 Nov 2024 10:09		JC\MD	Ok,M
3	VN1121WBS01	VN1121WBS01	VN084988.D	21 Nov 2024 10:45		JC\MD	Ok,M
4	VN1121WBSD01	VN1121WBSD01	VN084989.D	21 Nov 2024 11:20	retention shift	JC\MD	Not Ok
5	VN1121WBL01	VN1121WBL01	VN084990.D	21 Nov 2024 11:43		JC\MD	Ok
6	P4853-01DL	001-WILLETS-PT-BLVD	VN084991.D	21 Nov 2024 12:18	vial B pH<2	JC\MD	Ok,M
7	P4853-02DL	002-35TH-AVE(NOV)DI	VN084992.D	21 Nov 2024 12:42	vial B pH<2	JC\MD	Ok
8	VSTDCCC020	VSTDCCC020EC	VN084993.D	21 Nov 2024 13:06		JC\MD	Ok,M
9	BFB	BFB	VN084994.D	21 Nov 2024 13:30		JC\MD	Ok
10	VSTDCCC050	VSTDCCC050	VN084995.D	21 Nov 2024 15:22		JC\MD	Ok,M
11	VN1121MBL01	VN1121MBL01	VN084996.D	21 Nov 2024 15:57	Contaminated	JC\MD	Ok
12	VN1121WBL02	VN1121WBL02	VN084997.D	21 Nov 2024 16:21		JC\MD	Ok
13	VN1121WBS02	VN1121WBS02	VN084998.D	21 Nov 2024 16:45		JC\MD	Ok,M
14	VN1121WBSD02	VN1121WBSD02	VN084999.D	21 Nov 2024 17:20		JC\MD	Ok,M
15	P4929-02	ARS520	VN085000.D	21 Nov 2024 17:44	vial A pH#5.0	JC\MD	Ok
16	P4892-03	WB-310-BOT	VN085001.D	21 Nov 2024 18:08	vial A pH#5.0	JC\MD	Ok,M
17	VSTDCCC050	VSTDCCC050EC	VN085002.D	21 Nov 2024 18:32		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4892	**OrderDate:**	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-03	**WB-310-BOT**	**TCLP**			**11/15/24**			**11/15/24**
			TCLP VOA	8260D			11/21/24	

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165108

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 114771

Start Prep Date : 11/19/2024 **Time :** 16:30

End Prep Date : 11/20/2024 **Time :** 09:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. TUMBLER ZHE-1 / ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/24 11:00	JP HOOD 4H JP	JC VOC
	Preparation Group 1 TCLP Room	Analysis Group Lab

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165108

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4892-03	WB-310-BOT	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4893-04	MH-763	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4893-08	MH-762	03	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4910-04	MH-COTTAGE	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4910-08	MH-759	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4916-04	TP-1-WC	06	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4916-08	TP-2-WC	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4916-12	TP-3-WC	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4924-04	MH-4	09	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4925-04	MH-741	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4925-08	MH-741	11	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4929-02	ARS520	12	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
PB165108TB	LEB108	13	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4892-03	WB-310-BOT	N/A	N/A	N/A	N/A	100	N/A
P4893-04	MH-763	N/A	N/A	N/A	N/A	100	N/A
P4893-08	MH-762	N/A	N/A	N/A	N/A	100	N/A
P4910-04	MH-COTTAGE	N/A	N/A	N/A	N/A	100	N/A
P4910-08	MH-759	N/A	N/A	N/A	N/A	100	N/A
P4916-04	TP-1-WC	N/A	N/A	N/A	N/A	100	N/A
P4916-08	TP-2-WC	N/A	N/A	N/A	N/A	100	N/A
P4916-12	TP-3-WC	N/A	N/A	N/A	N/A	100	N/A
P4924-04	MH-4	N/A	N/A	N/A	N/A	100	N/A
P4925-04	MH-741	N/A	N/A	N/A	N/A	100	N/A
P4925-08	MH-741	N/A	N/A	N/A	N/A	100	N/A
P4929-02	ARS520	N/A	N/A	N/A	N/A	100	N/A
PB165108TB	LEB108	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4916 zhe **WorkList ID :** 185577 **Department :** TCLP Extraction **Date :** 11-19-2024 10:53:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4892-03	WB-310-BOT	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	M11	11/15/2024	1311 ZHE
P4893-04	MH-763	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311 ZHE
P4893-08	MH-762	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311 ZHE
P4910-04	MH-COTTAGE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4910-08	MH-759	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4916-04	TP-1-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4916-08	TP-2-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4916-12	TP-3-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4924-04	MH-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311 ZHE
P4925-04	MH-741	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/19/2024	1311 ZHE
P4925-08	MH-741	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	11/19/2024	1311 ZHE
P4929-02	ARS520	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	11/19/2024	1311 ZHE

Date/Time 11.19.24 15:20

Raw Sample Received by: SO (w/ C)

Raw Sample Relinquished by: OR

Date/Time 11.19.24 17:30

Raw Sample Received by: OR

Raw Sample Relinquished by: SO (w/ C)