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

Hit Summary Sheet
SW-846

SDG No.: P4460

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

Raw Data: **VN084463.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	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
VN084463.D	1		10/22/24 18:46	VN102224

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	49.7		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	298000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	97600	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

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

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4460-04	WB-303-BOT	1,2-Dichloroethane-d4	50	49.6	99	70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1022WBL01	VN1022WBL01	1,2-Dichloroethane-d4	50	45.7	91	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90	70 (77)	130 (121)
VN1022WBS01	VN1022WBS01	1,2-Dichloroethane-d4	50	46.2	92	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)
VN1022WBSD0	VN1022WBSD01	1,2-Dichloroethane-d4	50	49.1	98	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	48.0	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1022WBS01	Vinyl chloride	20	16.5	ug/L	83			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.2	ug/L	91			70 (74)	130 (110)	
	2-Butanone	100	87.6	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	Chloroform	20	18.7	ug/L	94			70 (79)	130 (113)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	Tetrachloroethene	20	18.4	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.7	ug/L	94			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1022WBSD01	Vinyl chloride	20	16.5	ug/L	83	0		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	92.3	ug/L	92	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.6	ug/L	93	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.4	ug/L	97	3		70 (79)	130 (113)	20 (20)
	Benzene	20	18.9	ug/L	95	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.6	ug/L	98	6		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	1		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.2	ug/L	96	4		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.6	ug/L	98	4		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1022WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084452.D Lab Sample ID: VN1022WBL01

Date Analyzed: 10/22/2024 Time Analyzed: 13:38

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
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024
WB-303-BOT	P4460-04	VN084463.D	10/22/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (7) 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	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084449.D BFB Injection Date: 10/22/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.7) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	70.5 (95.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084450.D	10/22/2024	12:50
VN1022WBL01	VN1022WBL01	VN084452.D	10/22/2024	13:38
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024	14:01
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024	14:45
WB-303-BOT	P4460-04	VN084463.D	10/22/2024	18:46

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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	171974	8.22	293014	9.10	264421	11.87
UPPER LIMIT	343948	8.724	586028	9.6	528842	12.365
LOWER LIMIT	85987	7.724	146507	8.6	132211	11.365
EPA SAMPLE NO.						
WB-303-BOT	163501	8.22	298176	9.10	267301	11.87
VN1022WBL01	195991	8.22	325943	9.10	276681	11.87
VN1022WBS01	177710	8.22	304170	9.10	270028	11.87
VN1022WBSD01	162648	8.22	284290	9.10	251894	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.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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

	IS4 AREA #	RT #				
12 HOUR STD	131065	13.788				
UPPER LIMIT	262130	14.288				
LOWER LIMIT	65532.5	13.288				
EPA SAMPLE NO.						
WB-303-BOT	97626	13.79				
VN1022WBL01	106919	13.79				
VN1022WBS01	132421	13.79				
VN1022WBSD01	120786	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: **VN084452.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:	VN1022WBL01	SDG No.:	P4460
Lab Sample ID:	VN1022WBL01	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
VN084452.D	1		10/22/24 13:38	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.224			
540-36-3	1,4-Difluorobenzene	326000	9.1			
3114-55-4	Chlorobenzene-d5	277000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	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
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN084453.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:	VN1022WBS01	SDG No.:	P4460
Lab Sample ID:	VN1022WBS01	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
VN084453.D	1		10/22/24 14:01	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.5		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	1.00	ug/L
78-93-3	2-Butanone	87.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
67-66-3	Chloroform	18.7		0.26	1.00	ug/L
71-43-2	Benzene	18.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.224			
540-36-3	1,4-Difluorobenzene	304000	9.1			
3114-55-4	Chlorobenzene-d5	270000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	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: **VN084454.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:	VN1022WBSD01	SDG No.:	P4460
Lab Sample ID:	VN1022WBSD01	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
VN084454.D	1		10/22/24 14:45	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.5		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
78-93-3	2-Butanone	92.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	252000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	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

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.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

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

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.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 12:50

Lab File ID: VN084450.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.654	0.602		-7.95	20
1,1-Dichloroethene	0.563	0.575		2.13	20
2-Butanone	0.434	0.422		-2.77	20
Carbon Tetrachloride	0.525	0.551		4.95	20
Chloroform	1.175	1.210		2.98	20
Benzene	1.492	1.558		4.42	20
1,2-Dichloroethane	0.506	0.521		2.96	20
Trichloroethene	0.348	0.369		6.03	20
Tetrachloroethene	0.348	0.359		3.16	20
Chlorobenzene	1.109	1.161	0.3	4.69	20
1,2-Dichloroethane-d4	0.741	0.701		-5.4	20
Dibromofluoromethane	0.330	0.335		1.51	20
Toluene-d8	1.213	1.224		0.91	20
4-Bromofluorobenzene	0.442	0.456		3.17	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\VN102224\
Data File : VN084463.D
Acq On : 22 Oct 2024 18:46
Operator : JC\MD
Sample : P4460-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Quant Time: Oct 23 01:32:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

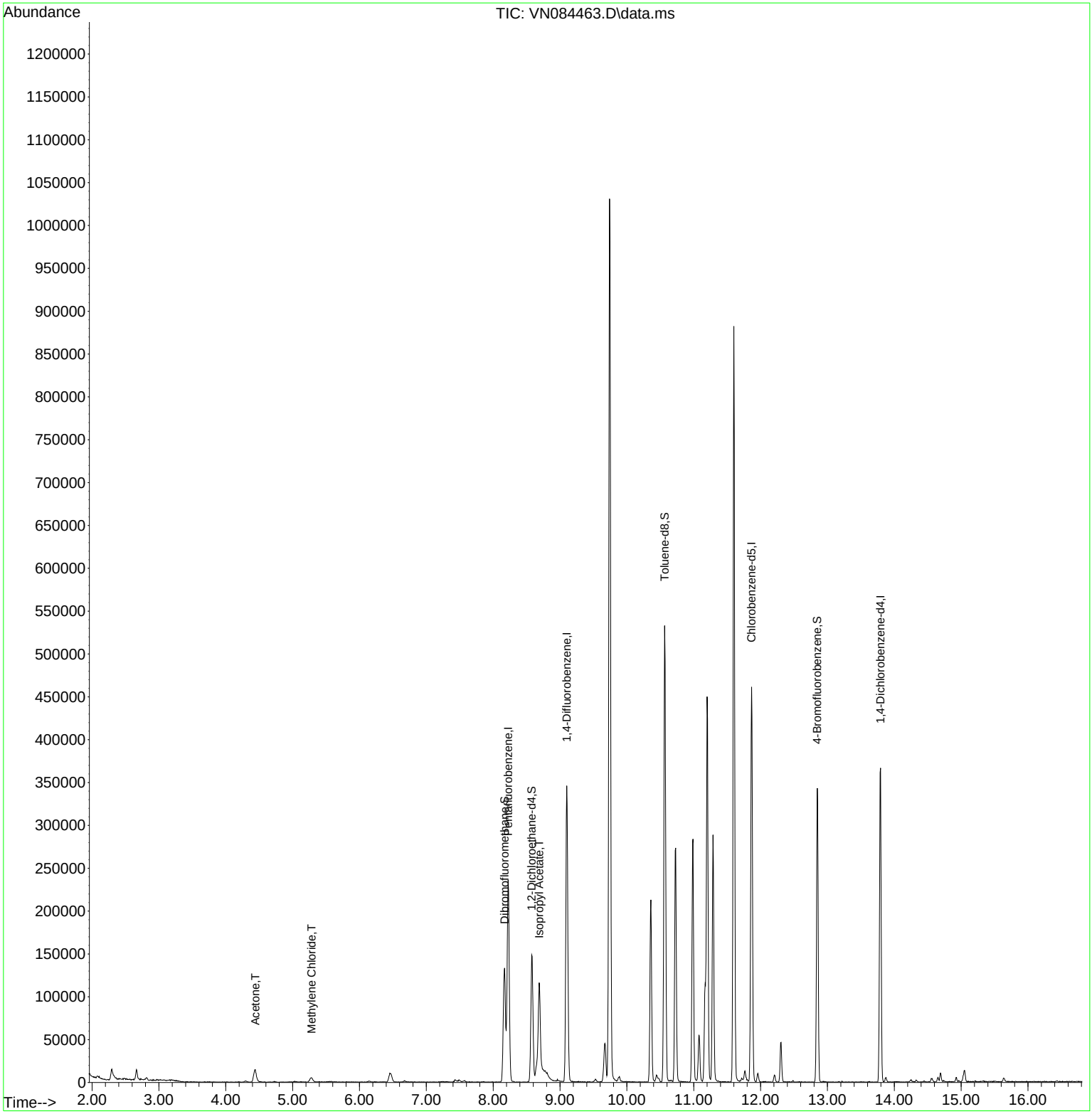
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120367	49.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.300%			
35) Dibromofluoromethane	8.171	113	97567	49.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.260%			
50) Toluene-d8	10.565	98	365187	50.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.847	95	119941	45.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.040%			
Target Compounds						Qvalue
16) Acetone	4.442	43	27887	26.779	ug/l	94
20) Methylene Chloride	5.283	84	4490	2.121	ug/l #	66
43) Isopropyl Acetate	8.688	43	154605	26.945	ug/l #	83

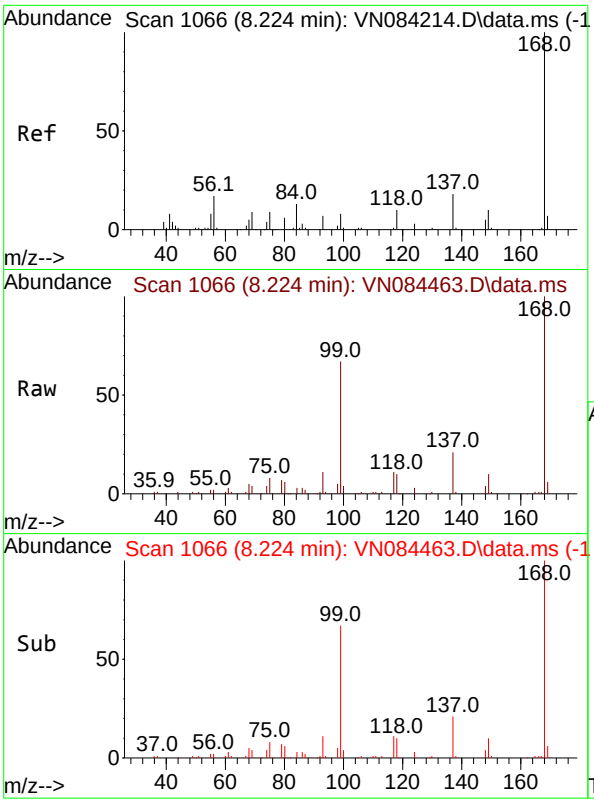
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084463.D
Acq On : 22 Oct 2024 18:46
Operator : JC\MD
Sample : P4460-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Quant Time: Oct 23 01:32:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



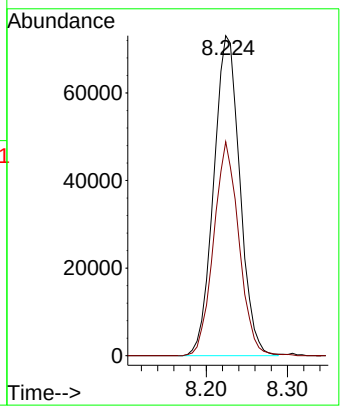


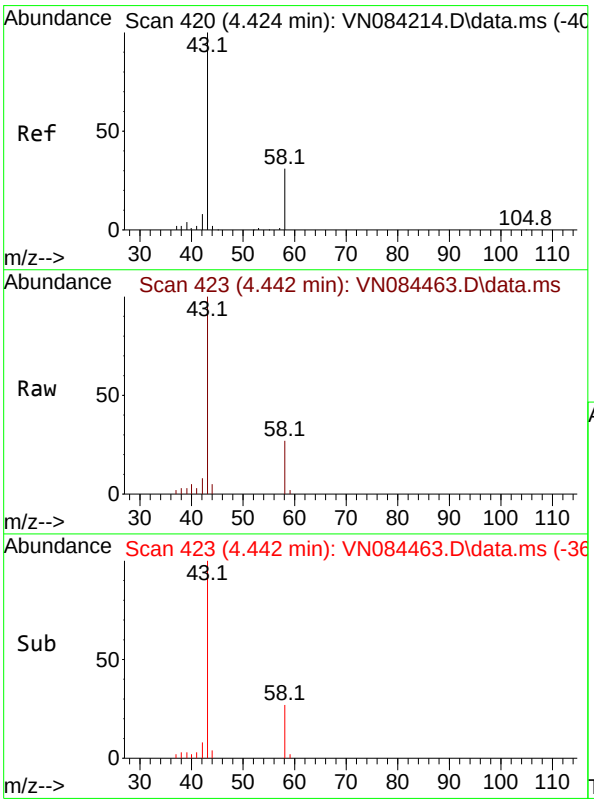
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:168 Resp: 163501

Ion	Ratio	Lower	Upper
168	100		
99	66.9	54.2	81.2

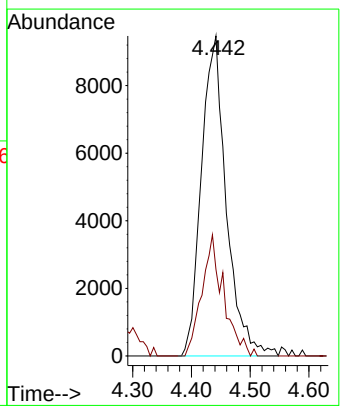


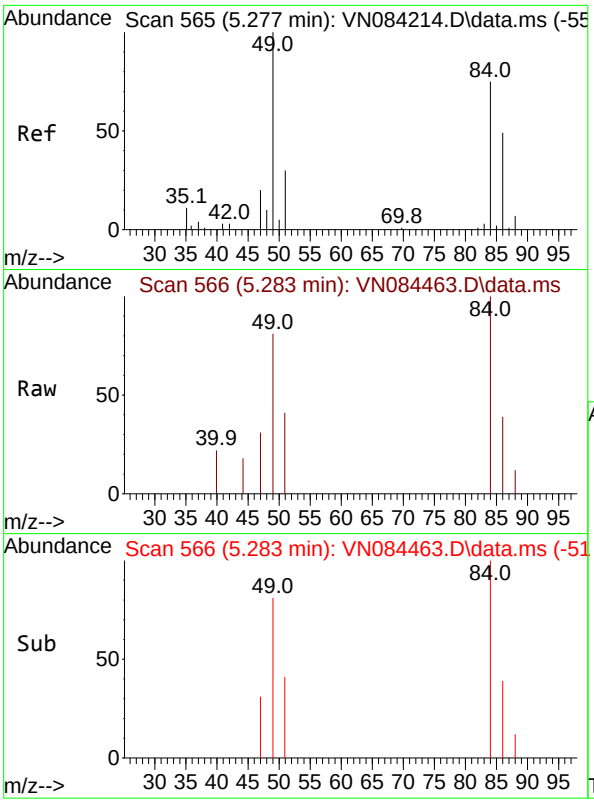


#16
Acetone
Concen: 26.779 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 43 Resp: 27887

Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.4	36.6



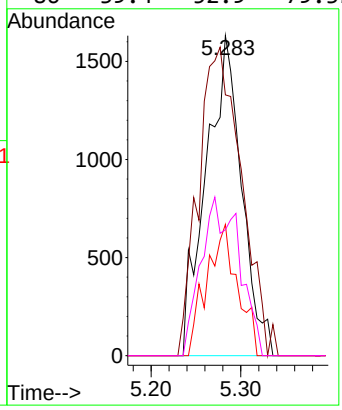


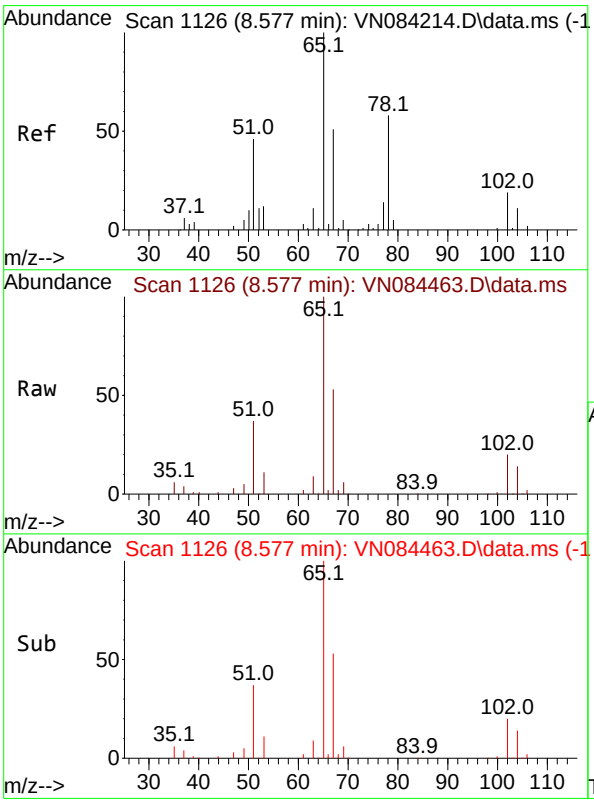
#20
Methylene Chloride
Concen: 2.121 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion: 84 Resp: 4490

Ion	Ratio	Lower	Upper
84	100		
49	81.5	107.2	160.8#
51	41.0	31.8	47.8
86	39.4	52.9	79.3#

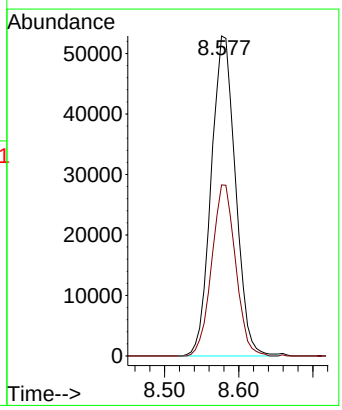


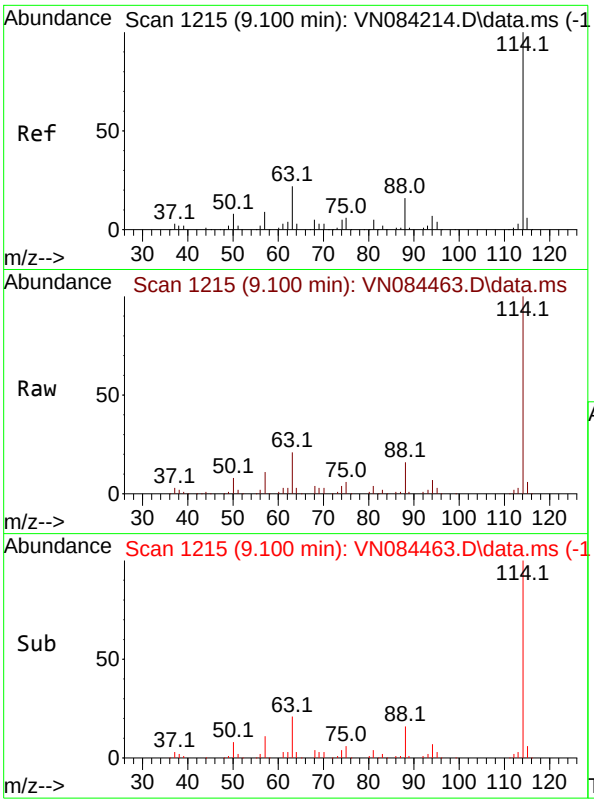


#33
1,2-Dichloroethane-d4
Concen: 49.652 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 65 Resp: 120367

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



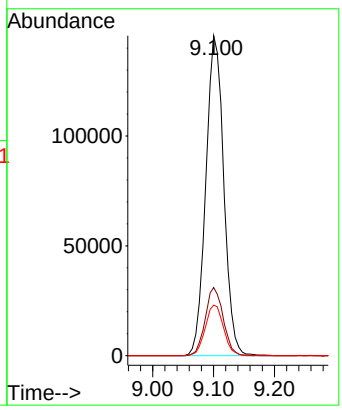


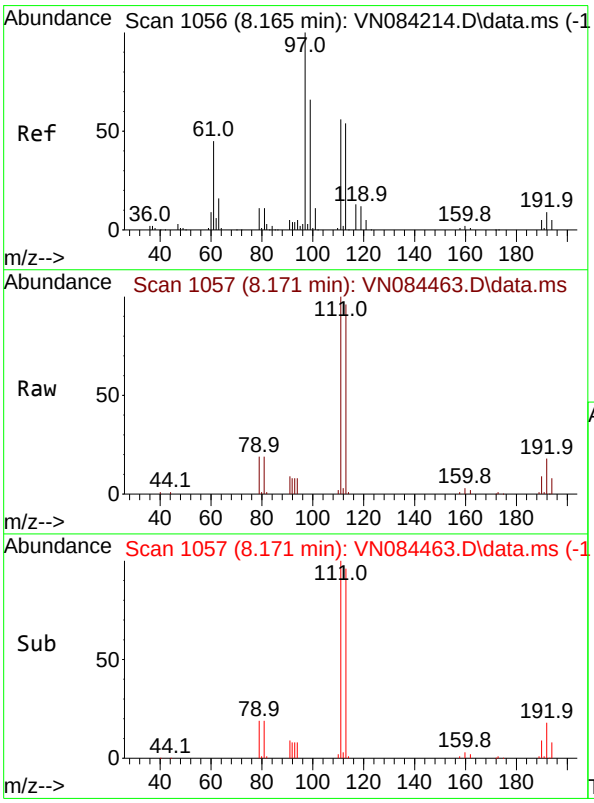
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:114 Resp: 298176

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	15.8	0.0	31.6

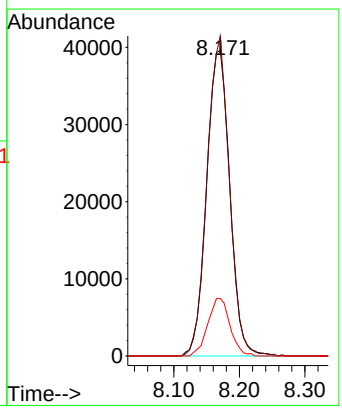


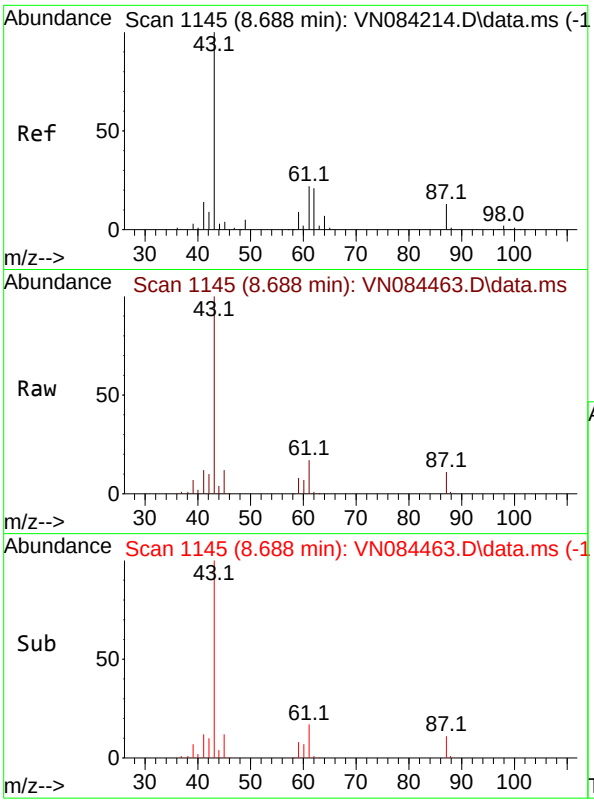


#35
Dibromofluoromethane
Concen: 49.633 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion:113 Resp: 97567

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.3	124.9
192	18.0	13.5	20.3



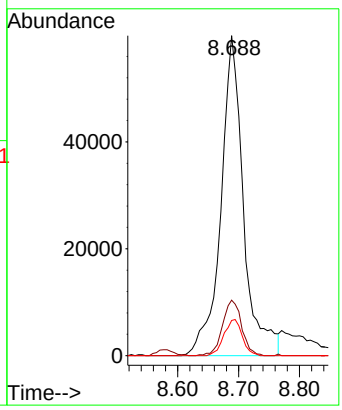


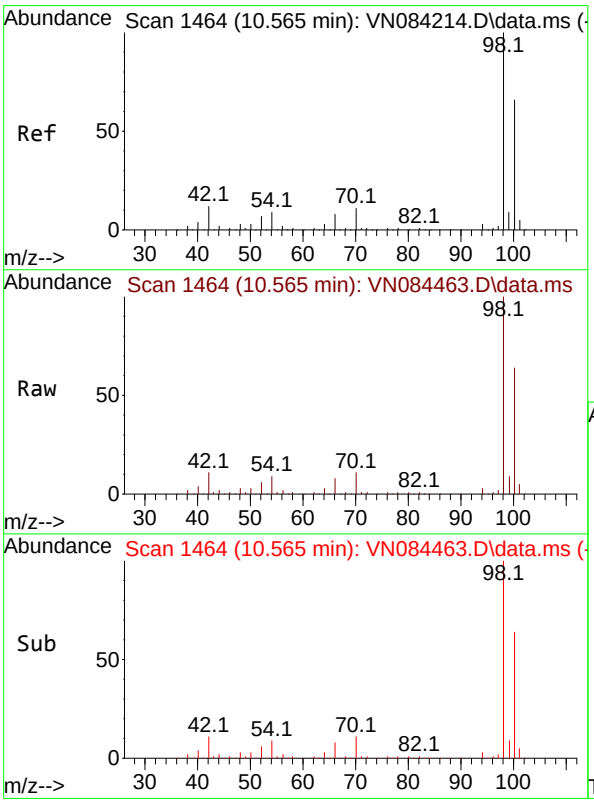
#43
Isopropyl Acetate
Concen: 26.945 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion: 43 Resp: 154605

Ion	Ratio	Lower	Upper
43	100		
61	14.7	20.4	30.6#
87	9.1	10.3	15.5#

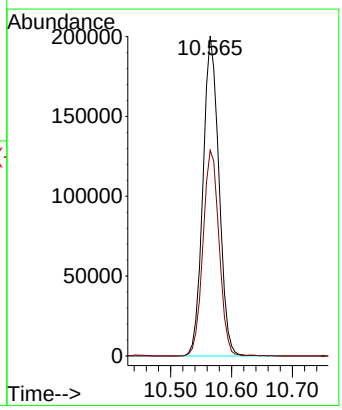


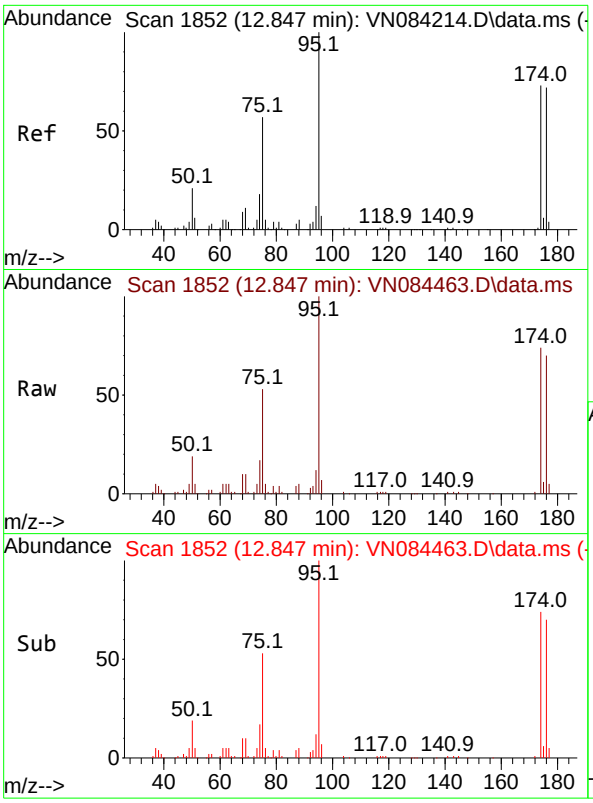


#50
Toluene-d8
Concen: 50.494 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 98 Resp: 365187

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1



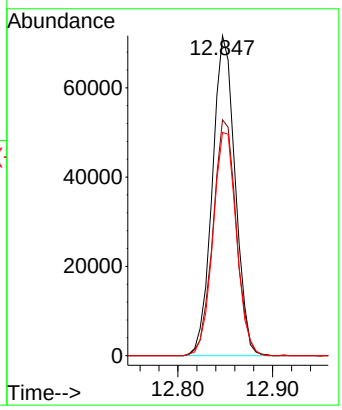


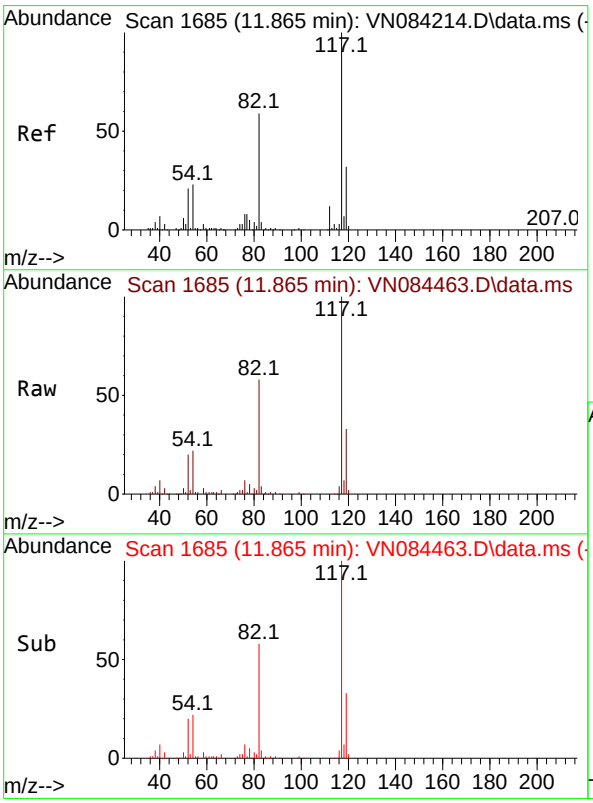
#62
4-Bromofluorobenzene
Concen: 45.522 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion: 95 Resp: 119941

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0

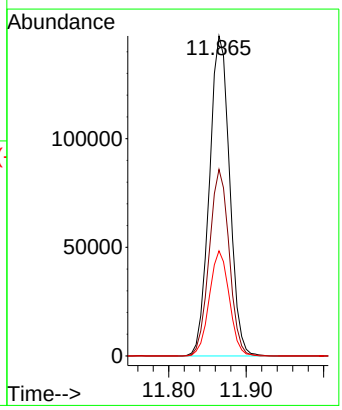


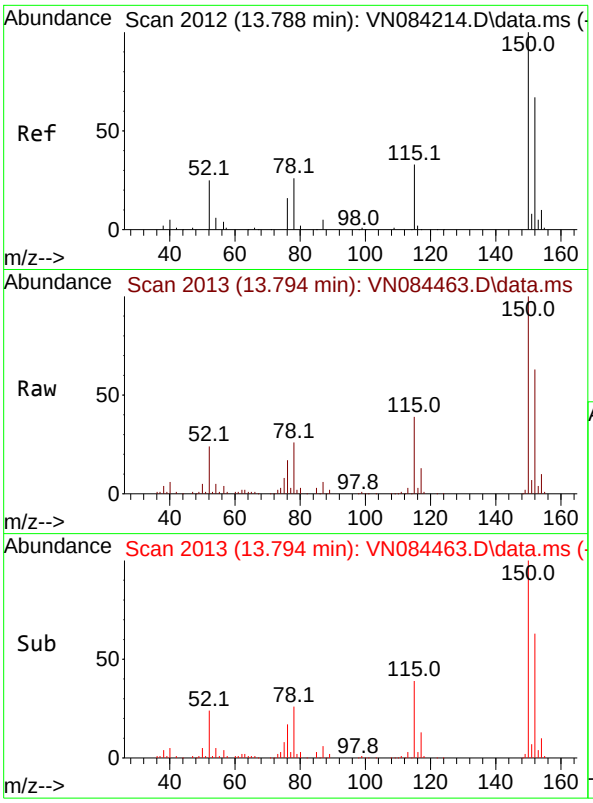


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion:117 Resp: 267301

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.8	25.4	38.0



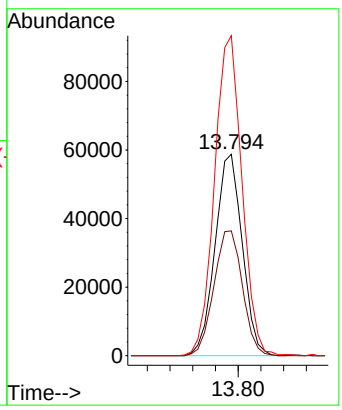


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 97626

Ion	Ratio	Lower	Upper
152	100		
115	65.0	31.3	93.9
150	160.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

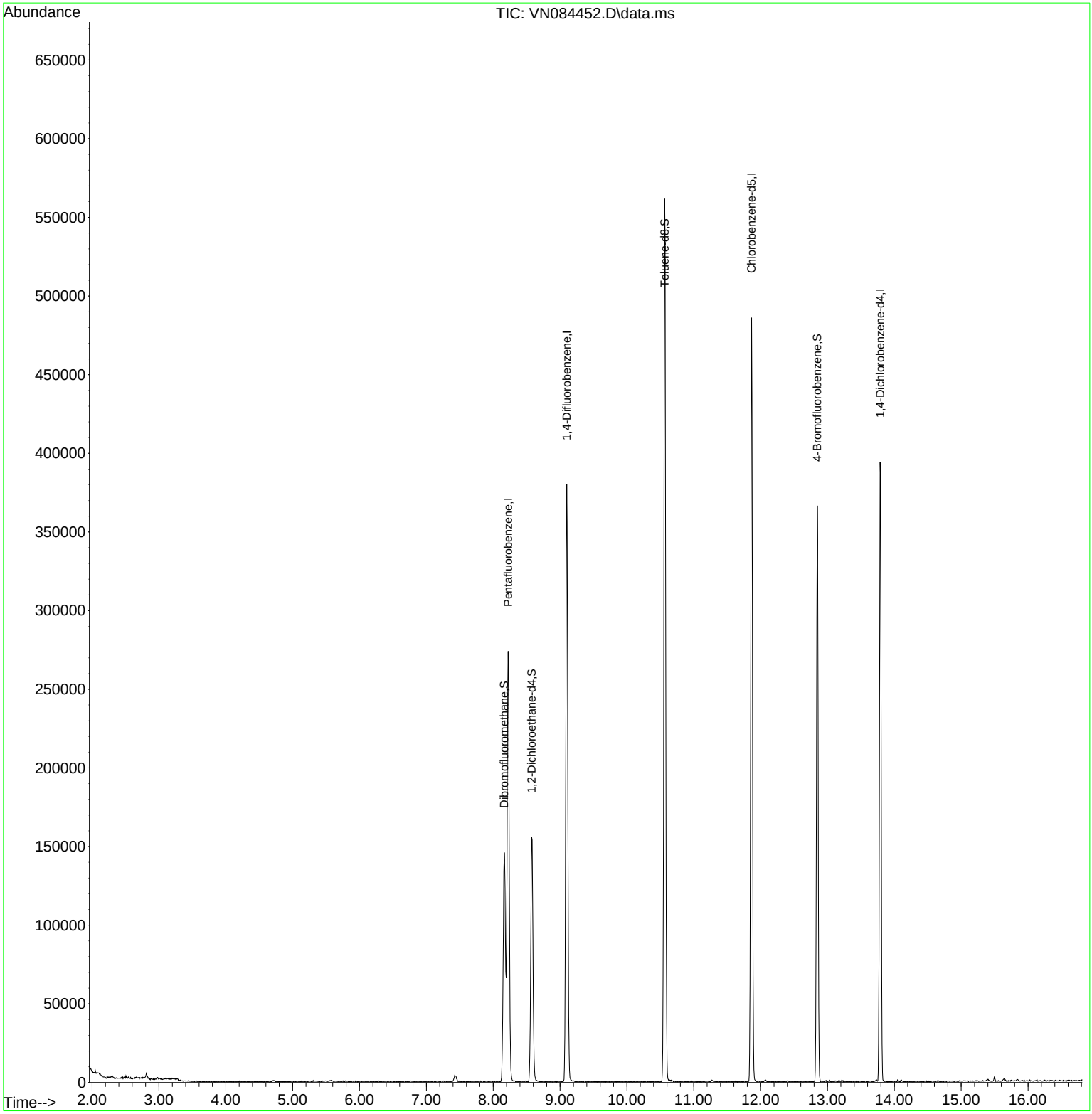
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132772	45.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.380%		
35) Dibromofluoromethane	8.165	113	107332	49.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	10.565	98	389764	49.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.600%		
62) 4-Bromofluorobenzene	12.847	95	129594	44.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.000%		
Target Compounds						Qvalue

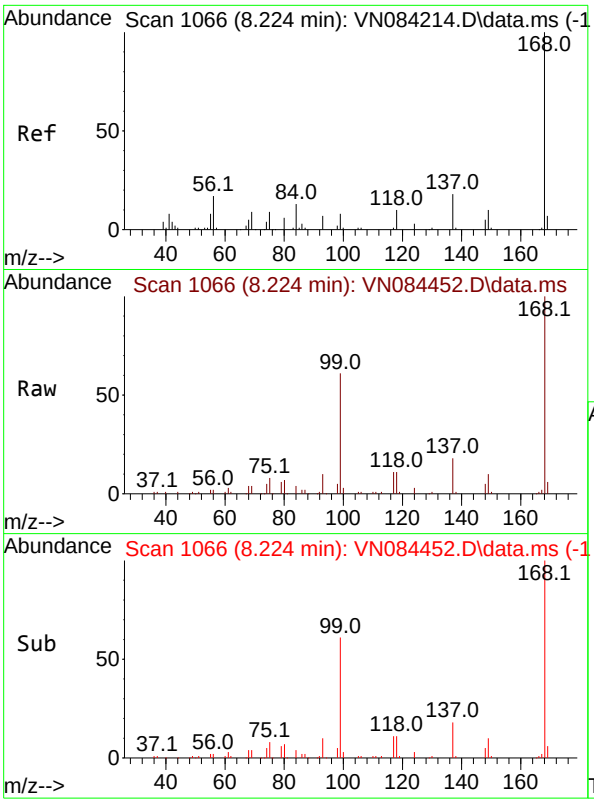
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



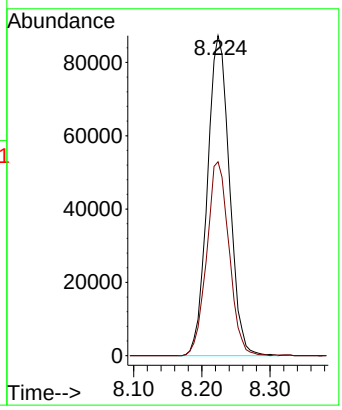


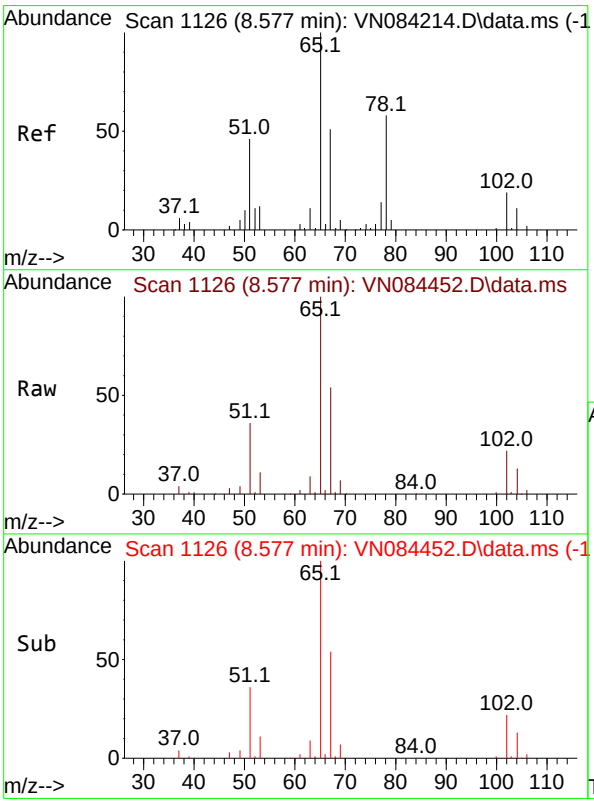
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:168 Resp: 195991

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

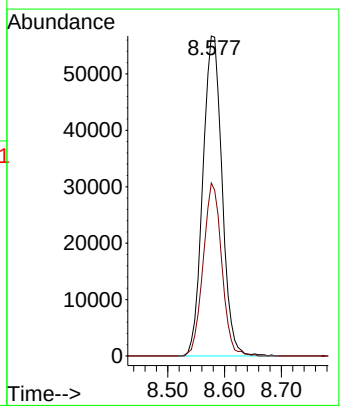


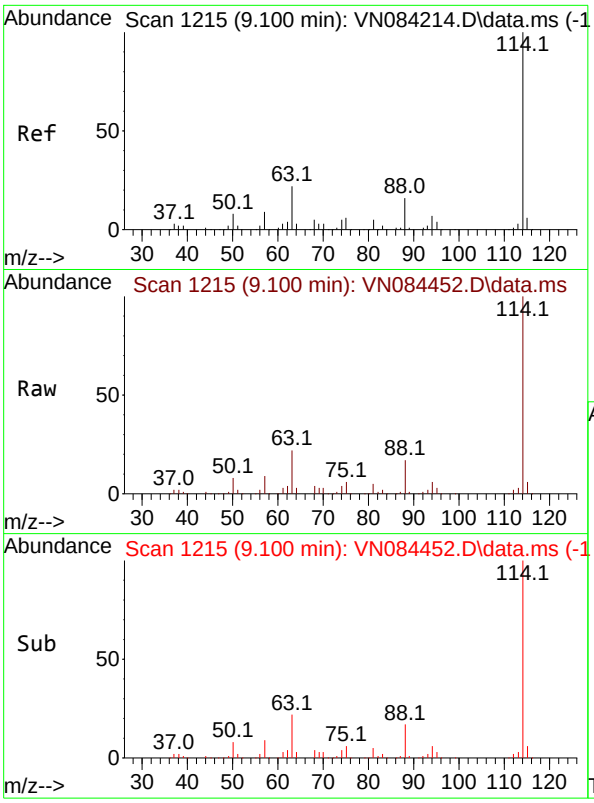


#33
1,2-Dichloroethane-d4
Concen: 45.690 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 65 Resp: 132772

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



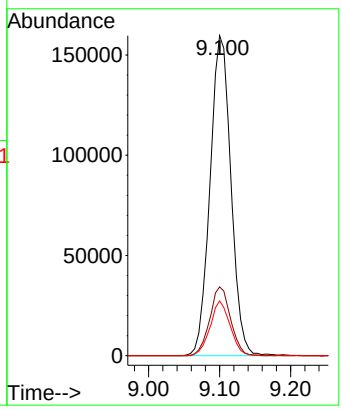


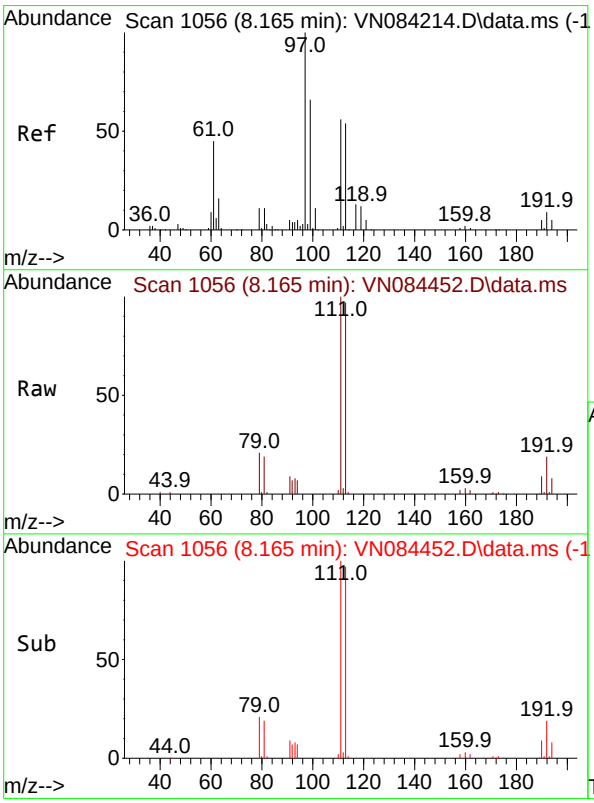
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:114 Resp: 325943

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.1	0.0	31.6

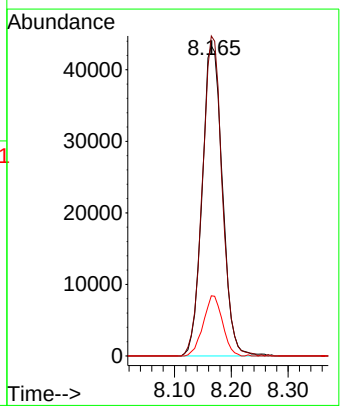


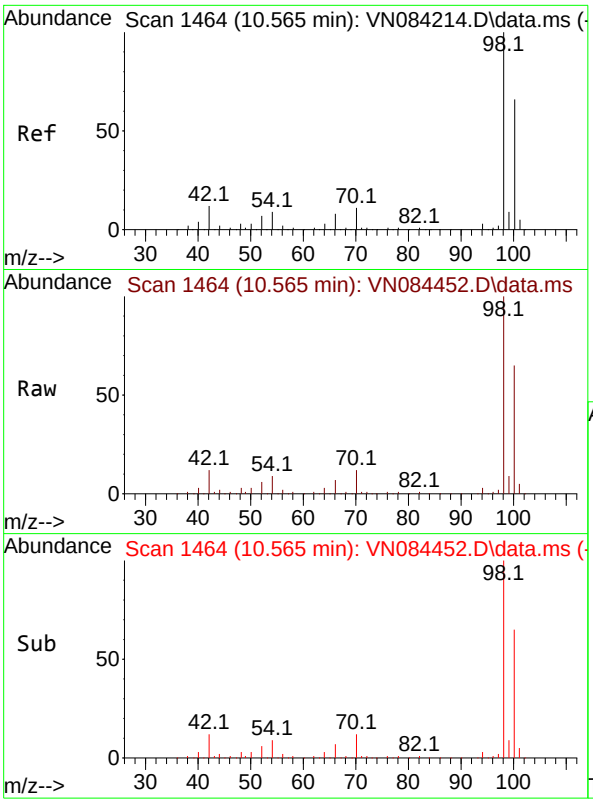


#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:113 Resp: 107332

Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.3	124.9
192	18.4	13.5	20.3



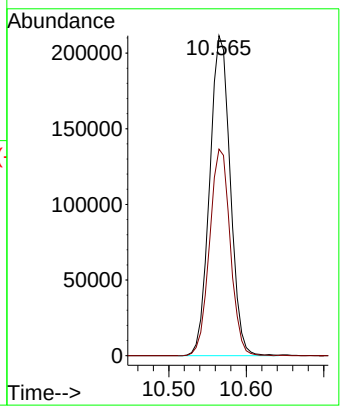


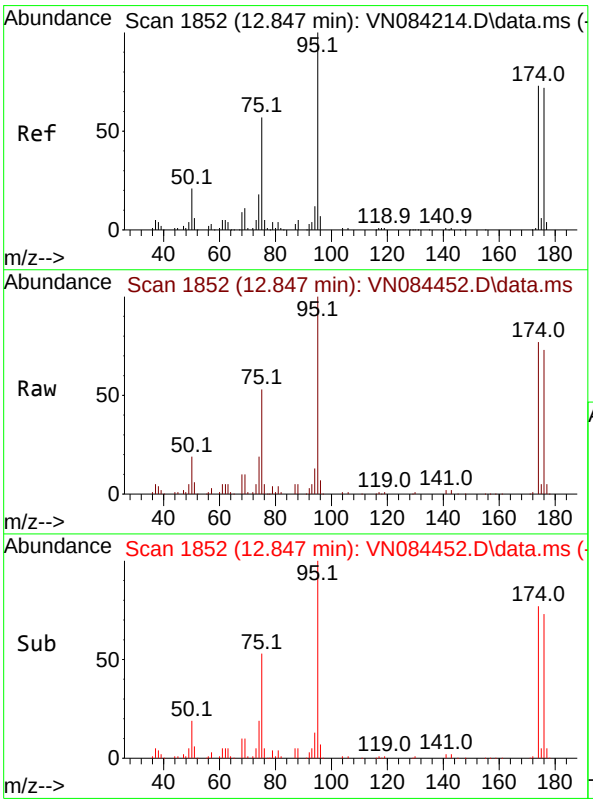
#50
Toluene-d8
Concen: 49.301 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion: 98 Resp: 389764

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

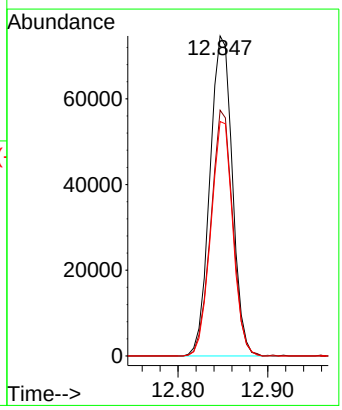


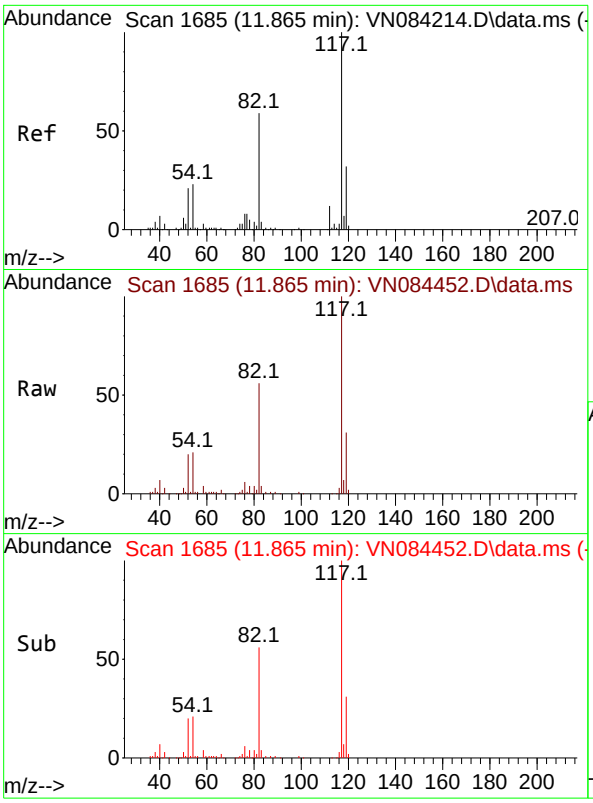


#62
4-Bromofluorobenzene
Concen: 44.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 95 Resp: 129594

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	71.8	0.0	140.0



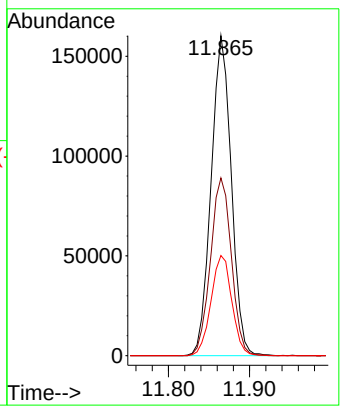


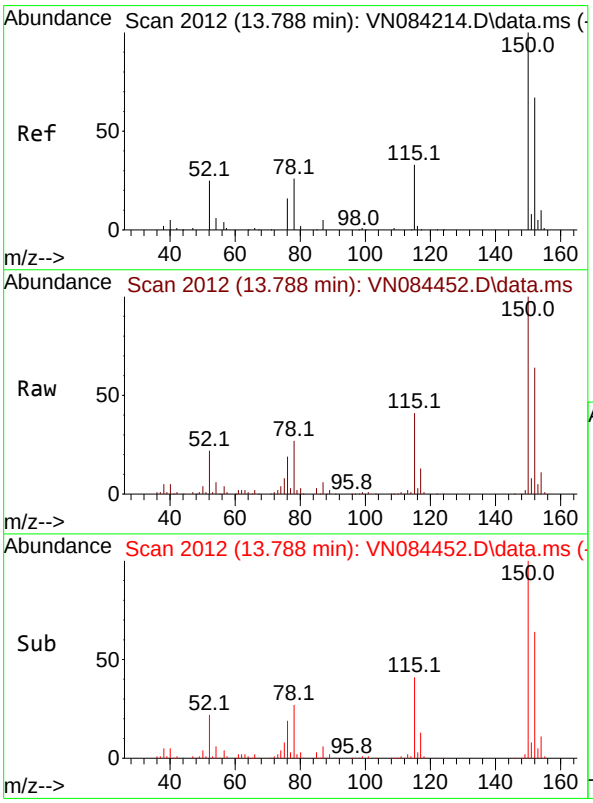
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:117 Resp: 276681

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.2	70.8
119	31.3	25.4	38.0

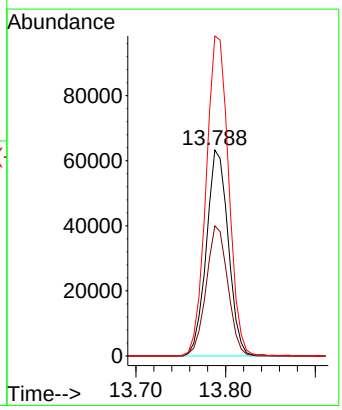




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:152 Resp: 106919

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	160.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121628	46.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.320%			
35) Dibromofluoromethane	8.165	113	99350	49.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.565	98	359697	48.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.847	95	131806	49.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	30405	14.464	ug/l	88
3) Chloromethane	2.365	50	38245	15.934	ug/l	92
4) Vinyl Chloride	2.512	62	38348	16.494	ug/l	99
5) Bromomethane	2.953	94	26015	16.964	ug/l	96
6) Chloroethane	3.118	64	24567	14.755	ug/l	93
7) Trichlorofluoromethane	3.494	101	62625	17.298	ug/l	100
8) Diethyl Ether	3.959	74	23561	17.547	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	36860	17.769	ug/l	98
10) Methyl Iodide	4.589	142	46339	17.346	ug/l	99
11) Tert butyl alcohol	5.524	59	34138	78.574	ug/l	100
12) 1,1-Dichloroethene	4.347	96	36354	18.169	ug/l	90
13) Acrolein	4.177	56	28493	57.125	ug/l	99
14) Allyl chloride	5.024	41	57894	16.660	ug/l	96
15) Acrylonitrile	5.724	53	99053	90.281	ug/l	99
16) Acetone	4.430	43	92502	81.724	ug/l	100
17) Carbon Disulfide	4.712	76	103059	16.268	ug/l	100
18) Methyl Acetate	5.024	43	43324	17.561	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	119560	17.704	ug/l	98
20) Methylene Chloride	5.277	84	41973	18.242	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	37752	18.009	ug/l	97
22) Diisopropyl ether	6.671	45	129644	18.037	ug/l	96
23) Vinyl Acetate	6.606	43	460216	86.325	ug/l	100
24) 1,1-Dichloroethane	6.565	63	74312	18.487	ug/l	99
25) 2-Butanone	7.482	43	134974	87.552	ug/l	99
26) 2,2-Dichloropropane	7.488	77	64580	17.819	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46201	18.239	ug/l	97
28) Bromochloromethane	7.818	49	33275	18.553	ug/l	95
29) Tetrahydrofuran	7.841	42	84149	88.450	ug/l	99
30) Chloroform	7.971	83	78076	18.699	ug/l	96
31) Cyclohexane	8.253	56	66769	17.108	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	68084	18.156	ug/l	96
36) 1,1-Dichloropropene	8.371	75	53919	18.511	ug/l	99
37) Ethyl Acetate	7.559	43	53127	17.779	ug/l	99
38) Carbon Tetrachloride	8.365	117	60111	18.813	ug/l	99
39) Methylcyclohexane	9.600	83	56729	17.499	ug/l	98
40) Benzene	8.606	78	169698	18.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	28308	17.450	ug/l		98
42) 1,2-Dichloroethane	8.671	62	56388	18.328	ug/l		99
43) Isopropyl Acetate	8.688	43	87191	14.897	ug/l		98
44) Trichloroethene	9.353	130	40177	18.955	ug/l		98
45) 1,2-Dichloropropane	9.623	63	40840	19.023	ug/l		96
46) Dibromomethane	9.706	93	28768	19.857	ug/l		98
47) Bromodichloromethane	9.882	83	61279	19.038	ug/l		91
48) Methyl methacrylate	9.676	41	41050	17.619	ug/l		98
49) 1,4-Dioxane	9.694	88	14851	346.222	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.447	43	262197	92.172	ug/l		99
52) Toluene	10.629	92	106505	19.246	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	61026	18.600	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	64908	18.392	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	40314	20.321	ug/l		92
56) Ethyl methacrylate	10.870	69	59750	18.303	ug/l		95
57) 1,3-Dichloropropane	11.165	76	65745	18.546	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124774	82.396	ug/l		98
59) 2-Hexanone	11.194	43	194266	91.370	ug/l		100
60) Dibromochloromethane	11.359	129	45869	19.568	ug/l		100
61) 1,2-Dibromoethane	11.470	107	39273	19.051	ug/l		100
64) Tetrachloroethene	11.106	164	34680	18.439	ug/l		96
65) Chlorobenzene	11.894	112	111661	18.650	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	38900	18.863	ug/l		99
67) Ethyl Benzene	11.964	91	192042	18.137	ug/l		99
68) m/p-Xylenes	12.070	106	148188	37.836	ug/l		99
69) o-Xylene	12.400	106	70695	19.078	ug/l		98
70) Styrene	12.412	104	120254	19.159	ug/l		98
71) Bromoform	12.576	173	29221	19.246	ug/l	#	96
73) Isopropylbenzene	12.694	105	182230	18.034	ug/l		98
74) N-amyl acetate	12.494	43	76299	16.674	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55947	18.413	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	52772m	19.521	ug/l		
77) Bromobenzene	12.976	156	44866	18.407	ug/l		95
78) n-propylbenzene	13.035	91	213398	18.227	ug/l		99
79) 2-Chlorotoluene	13.123	91	134753	18.038	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	154916	18.794	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21723	19.264	ug/l		87
82) 4-Chlorotoluene	13.217	91	137196	18.243	ug/l		99
83) tert-Butylbenzene	13.435	119	127869	17.454	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	153680	18.508	ug/l		97
85) sec-Butylbenzene	13.617	105	176234	18.027	ug/l		100
86) p-Isopropyltoluene	13.729	119	146590	18.133	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	83239	18.204	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	81325	17.612	ug/l		99
89) n-Butylbenzene	14.053	91	122182	16.668	ug/l		99
90) Hexachloroethane	14.329	117	28246	17.213	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	79655	17.766	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10211	16.285	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36971	16.741	ug/l		99
94) Hexachlorobutadiene	15.500	225	18220	16.544	ug/l		96
95) Naphthalene	15.641	128	109289	14.927	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	36215	16.382	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

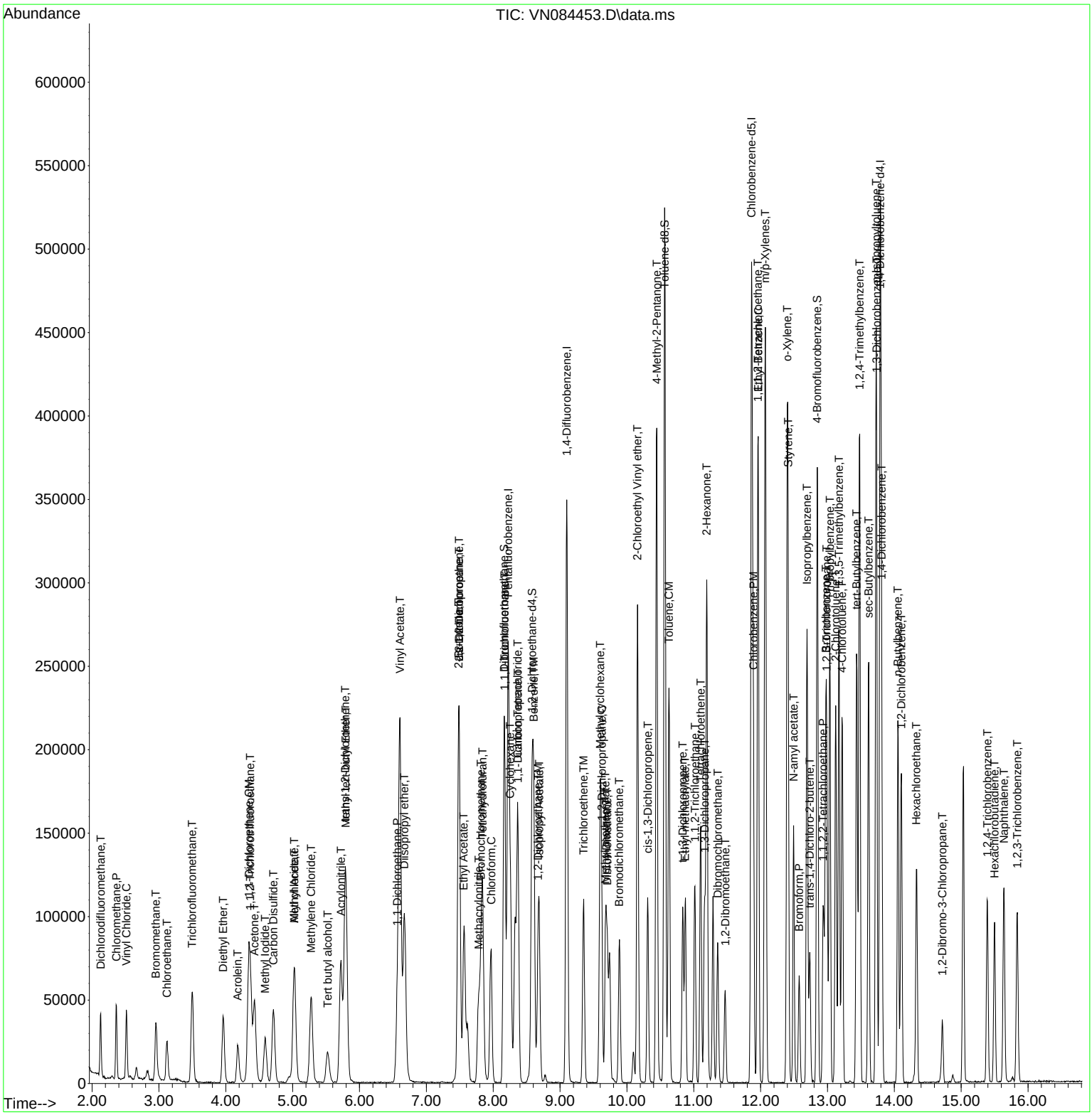
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118385	49.091	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.180%			
35) Dibromofluoromethane	8.165	113	92800	49.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.020%			
50) Toluene-d8	10.565	98	331212	48.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.060%			
62) 4-Bromofluorobenzene	12.847	95	122807	48.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	28241	14.679	ug/l	88
3) Chloromethane	2.359	50	35405	16.117	ug/l	99
4) Vinyl Chloride	2.512	62	35054	16.474	ug/l	95
5) Bromomethane	2.959	94	25307	18.031	ug/l	95
6) Chloroethane	3.124	64	23899	15.683	ug/l	98
7) Trichlorofluoromethane	3.494	101	59328	17.905	ug/l	91
8) Diethyl Ether	3.959	74	22634	18.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	34776	18.317	ug/l	99
10) Methyl Iodide	4.589	142	44688	18.277	ug/l	99
11) Tert butyl alcohol	5.518	59	34892	87.746	ug/l	100
12) 1,1-Dichloroethene	4.341	96	32769	17.894	ug/l	93
13) Acrolein	4.177	56	29404	64.411	ug/l	98
14) Allyl chloride	5.024	41	53581	16.847	ug/l	98
15) Acrylonitrile	5.718	53	97676	97.270	ug/l	99
16) Acetone	4.430	43	87135	84.111	ug/l	96
17) Carbon Disulfide	4.718	76	96268	16.603	ug/l	97
18) Methyl Acetate	5.030	43	44581	19.744	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	121253	19.617	ug/l	98
20) Methylene Chloride	5.277	84	41617	19.762	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	36611	19.082	ug/l	99
22) Diisopropyl ether	6.671	45	127788	19.425	ug/l	95
23) Vinyl Acetate	6.600	43	471205	96.571	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72140	19.609	ug/l	98
25) 2-Butanone	7.482	43	130207	92.281	ug/l	100
26) 2,2-Dichloropropane	7.488	77	58286	17.571	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	44657	19.262	ug/l	96
28) Bromochloromethane	7.812	49	32800	19.982	ug/l	98
29) Tetrahydrofuran	7.841	42	84216	96.717	ug/l	98
30) Chloroform	7.965	83	74218	19.421	ug/l	94
31) Cyclohexane	8.259	56	59952	16.784	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	64815	18.885	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50527	18.560	ug/l	98
37) Ethyl Acetate	7.559	43	53479	19.148	ug/l	97
38) Carbon Tetrachloride	8.359	117	55533	18.596	ug/l	92
39) Methylcyclohexane	9.600	83	52431	17.305	ug/l	95
40) Benzene	8.606	78	160063	18.871	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29208	19.263	ug/l		96
42) 1,2-Dichloroethane	8.671	62	56362	19.601	ug/l		99
43) Isopropyl Acetate	8.688	43	87329	15.964	ug/l		97
44) Trichloroethene	9.353	130	37196	18.776	ug/l		95
45) 1,2-Dichloropropane	9.618	63	40032	19.951	ug/l		100
46) Dibromomethane	9.706	93	28247	20.861	ug/l		98
47) Bromodichloromethane	9.888	83	59421	19.752	ug/l		96
48) Methyl methacrylate	9.676	41	39452	18.117	ug/l		98
49) 1,4-Dioxane	9.694	88	15410	384.377	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	265413	99.827	ug/l		99
52) Toluene	10.629	92	98137	18.974	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	58118	18.952	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	62876	19.062	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	38703	20.873	ug/l		96
56) Ethyl methacrylate	10.876	69	58523	19.181	ug/l		99
57) 1,3-Dichloropropane	11.159	76	67142	20.265	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124778	88.160	ug/l		99
59) 2-Hexanone	11.194	43	191652	96.444	ug/l		99
60) Dibromochloromethane	11.359	129	45689	20.855	ug/l		98
61) 1,2-Dibromoethane	11.470	107	39095	20.291	ug/l		98
64) Tetrachloroethene	11.106	164	33764	19.244	ug/l		97
65) Chlorobenzene	11.888	112	109394	19.587	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.965	131	36735	19.096	ug/l		98
67) Ethyl Benzene	11.965	91	180220	18.246	ug/l		99
68) m/p-Xylenes	12.070	106	141783	38.806	ug/l		97
69) o-Xylene	12.400	106	65662	18.995	ug/l		96
70) Styrene	12.412	104	113796	19.435	ug/l		98
71) Bromoform	12.582	173	28447	20.085	ug/l	#	95
73) Isopropylbenzene	12.694	105	167871	18.213	ug/l		99
74) N-amyl acetate	12.494	43	74246	17.789	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55170	19.906	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	51860m	21.031	ug/l		
77) Bromobenzene	12.982	156	42558	19.142	ug/l		96
78) n-propylbenzene	13.035	91	202008	18.916	ug/l		100
79) 2-Chlorotoluene	13.123	91	126589	18.577	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	144609	19.234	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	18211	17.706	ug/l		96
82) 4-Chlorotoluene	13.223	91	130226	18.984	ug/l		99
83) tert-Butylbenzene	13.435	119	120683	18.060	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	146120	19.292	ug/l		99
85) sec-Butylbenzene	13.617	105	166811	18.707	ug/l		100
86) p-Isopropyltoluene	13.729	119	139521	18.921	ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	78103	18.726	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	79624	18.904	ug/l		100
89) n-Butylbenzene	14.053	91	118654	17.746	ug/l		99
90) Hexachloroethane	14.335	117	26884	17.962	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	75541	18.471	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10570	18.481	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36540	18.139	ug/l		99
94) Hexachlorobutadiene	15.500	225	17391	17.312	ug/l		97
95) Naphthalene	15.641	128	109616	16.414	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	35947	17.827	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
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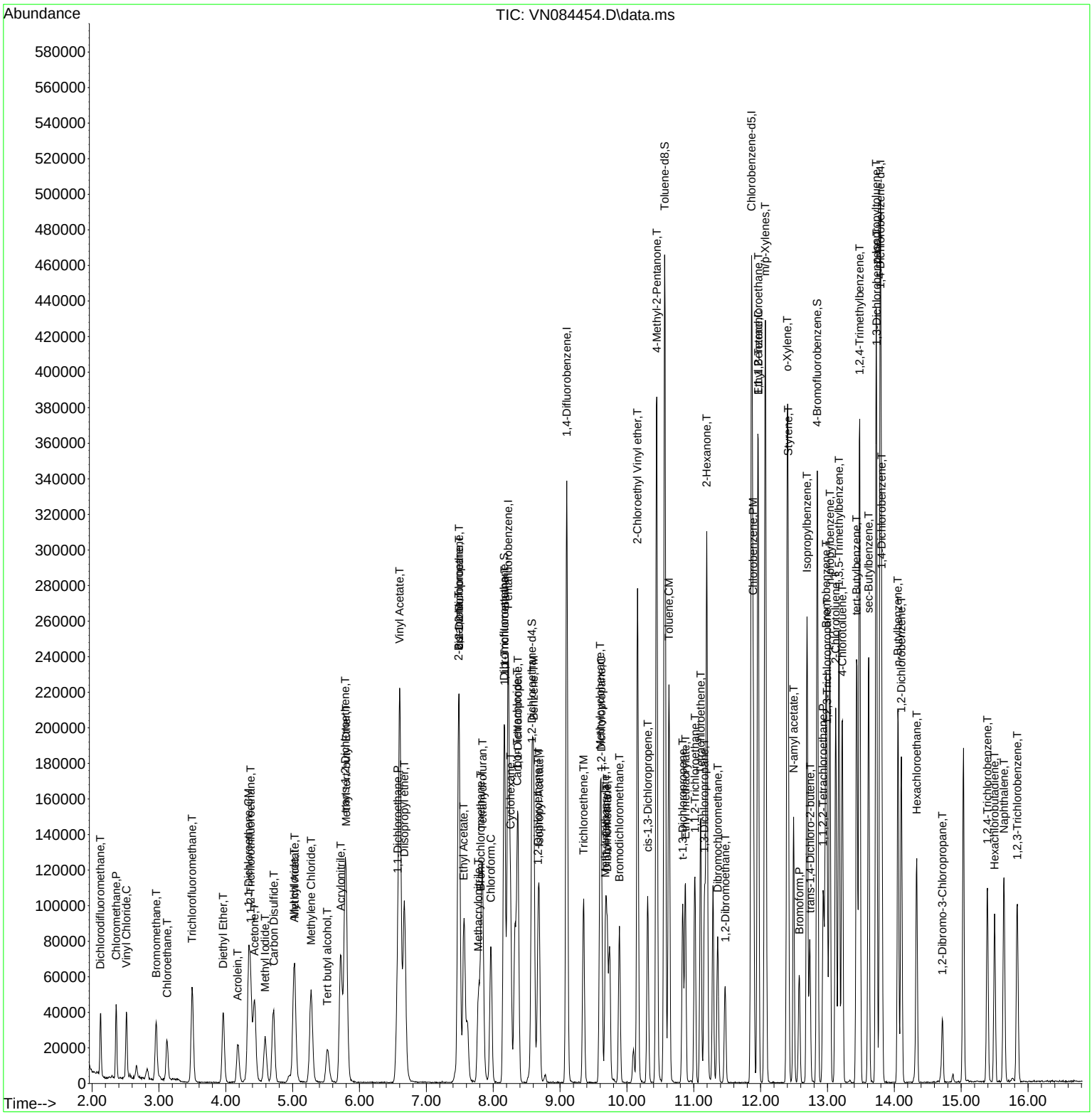
Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN102224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084450.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:28 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBS01	VN084453.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:33 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBSD01	VN084454.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:38 AM	MMDadoda	10/23/2024 1:06:29 PM	Peak Integrated by Software
VSTDCCC050	VN084464.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:49 AM	MMDadoda	10/23/2024 1:06:32 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 # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	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 # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084449.D	22 Oct 2024 08:33	JC\MD	Ok
2	VSTDCCC050	VN084450.D	22 Oct 2024 12:50	JC\MD	Ok,M
3	VN1022MBL01	VN084451.D	22 Oct 2024 13:14	JC\MD	Ok
4	VN1022WBL01	VN084452.D	22 Oct 2024 13:38	JC\MD	Ok
5	VN1022WBS01	VN084453.D	22 Oct 2024 14:01	JC\MD	Ok,M
6	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45	JC\MD	Ok,M
7	P4475-04	VN084455.D	22 Oct 2024 15:09	JC\MD	Ok
8	P4475-01	VN084456.D	22 Oct 2024 15:33	JC\MD	Ok
9	IBLK	VN084457.D	22 Oct 2024 16:21	JC\MD	Ok
10	P4475-05	VN084458.D	22 Oct 2024 16:45	JC\MD	Ok
11	P4475-06	VN084459.D	22 Oct 2024 17:09	JC\MD	Ok
12	P4475-03	VN084460.D	22 Oct 2024 17:33	JC\MD	Ok
13	P4475-02	VN084461.D	22 Oct 2024 17:57	JC\MD	Ok
14	P4397-06	VN084462.D	22 Oct 2024 18:21	JC\MD	Ok,M
15	P4460-04	VN084463.D	22 Oct 2024 18:46	JC\MD	Ok
16	VSTDCCC050	VN084464.D	22 Oct 2024 19:10	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 # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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 # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		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 # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
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	VN084449.D	22 Oct 2024 08:33		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084450.D	22 Oct 2024 12:50		JC\MD	Ok,M
3	VN1022MBL01	VN1022MBL01	VN084451.D	22 Oct 2024 13:14		JC\MD	Ok
4	VN1022WBL01	VN1022WBL01	VN084452.D	22 Oct 2024 13:38		JC\MD	Ok
5	VN1022WBS01	VN1022WBS01	VN084453.D	22 Oct 2024 14:01		JC\MD	Ok,M
6	VN1022WBSD01	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45		JC\MD	Ok,M
7	P4475-04	BP-VPB-190-GW-238-2	VN084455.D	22 Oct 2024 15:09		JC\MD	Ok
8	P4475-01	BP-VPB-190-TB-20241	VN084456.D	22 Oct 2024 15:33	TB	JC\MD	Ok
9	IBLK	IBLK	VN084457.D	22 Oct 2024 16:21		JC\MD	Ok
10	P4475-05	BP-VPB-190-GW-258-2	VN084458.D	22 Oct 2024 16:45		JC\MD	Ok
11	P4475-06	BP-VPB-190-GW-278-2	VN084459.D	22 Oct 2024 17:09		JC\MD	Ok
12	P4475-03	BP-VPB-190-GW-223-2	VN084460.D	22 Oct 2024 17:33		JC\MD	Ok
13	P4475-02	BP-VPB-190-DUP-2024	VN084461.D	22 Oct 2024 17:57		JC\MD	Ok
14	P4397-06	WB-301-BOT	VN084462.D	22 Oct 2024 18:21		JC\MD	Ok,M
15	P4460-04	WB-303-BOT	VN084463.D	22 Oct 2024 18:46		JC\MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VN084464.D	22 Oct 2024 19:10		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP VOA	8260D			10/22/24	

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TCLP EXTRACTION LOGPAGE

PB164262

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

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:

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 @.28	JP Lab Room	MD NUCLAB.
DI 100	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164262

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
P4397-06	WB-301-BOT	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4443-05	OG-315-HR-502-COMP-29	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4443-10	OG-315-HR-502-COMP-30	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4458-02	280517	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4460-04	WB-303-BOT	05	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB164262TB	LEB262	06	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1

A
B
C
D
E
F
G
H
I
J
K

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164262TB	LEB262	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE P4397 **WorkList ID :** 184596 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06		10/10/2024	1311 ZHE
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311 ZHE
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311 ZHE
P4458-02	280517	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311 ZHE
P4460-04	WB-303-BOT	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311 ZHE

Date/Time 10-18-24 16:20

Raw Sample Received by: JD WC

Raw Sample Relinquished by: CR SM

Date/Time 10-18-24 18:30

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JD WC