CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WASTE-VOC**							
O5252-03	WASTE-VOC	SOIL	Methylene Chloride	37.5	B	6.10	10.1	ug/Kg
			Total Voc :	37.5				
			Total Concentration:	37.5				

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SAMPLE DATA

Raw Data: **VY016247.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	5.10	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.94	U	0.94	5.10	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.10	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	5.10	ug/Kg
67-64-1	Acetone	9.50	U	9.50	25.3	ug/Kg
75-15-0	Carbon Disulfide	2.20	U	2.20	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	37.5	B	6.10	10.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	5.10	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	5.10	ug/Kg
78-93-3	2-Butanone	7.40	U	7.40	25.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	5.10	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.10	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	5.10	ug/Kg
108-87-2	Methylcyclohexane	3.40	U	3.40	5.10	ug/Kg
71-43-2	Benzene	0.67	U	0.67	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.73	U	0.73	5.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.60	U	4.60	25.3	ug/Kg
108-88-3	Toluene	0.66	U	0.66	5.10	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.78	U	0.78	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.75	U	0.75	5.10	ug/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	5.10	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	25.3	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	5.10	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.10	ug/Kg
108-90-7	Chlorobenzene	0.64	U	0.64	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.1	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	5.10	ug/Kg
100-42-5	Styrene	0.70	U	0.70	5.10	ug/Kg
75-25-2	Bromoform	0.96	U	0.96	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.69	U	0.69	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.61	U	0.61	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.61	U	0.61	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.62	U	0.62	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (39) - 130 (149)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	7.795			
540-36-3	1,4-Difluorobenzene	183000	8.697			
3114-55-4	Chlorobenzene-d5	164000	11.502			
3855-82-1	1,4-Dichlorobenzene-d4	59400	13.434			

Raw Data: **VY016247.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
O5252-03	WASTE-VOC	1,2-Dichloroethane-d4	50	58.6	117	70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99	70 (54)	130 (147)
		Toluene-d8	50	49.0	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.6	87	70 (39)	130 (149)
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	62.4	125	70 (50)	130 (163)
		Dibromofluoromethane	50	49.2	98	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.2	102	70 (39)	130 (149)
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.4	105	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.4	97	70 (39)	130 (149)
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	53.4	107	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.8	102	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.1	100	70 (39)	130 (149)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	Dichlorodifluoromethane	20	17.9	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	15.9	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.4	ug/Kg	87			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.8	ug/Kg	89			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	96.7	ug/Kg	97			40 (60)	160 (131)	
	Carbon disulfide	20	15.1	ug/Kg	76			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.0	ug/Kg	100			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Cyclohexane	20	18.2	ug/Kg	91			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	18.1	ug/Kg	91			70 (77)	130 (123)	
	Benzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	Bromodichloromethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.1	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	21.5	ug/Kg	108			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.6	ug/Kg	113			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			40 (66)	160 (134)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	Dichlorodifluoromethane	20	17.9	ug/Kg	90	0		40 (64)	160 (136)	30 (20)
	Chloromethane	20	16.7	ug/Kg	84	6		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.6	ug/Kg	93	7		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.7	ug/Kg	94	9		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.0	ug/Kg	105	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	2		70 (79)	130 (121)	30 (20)
	Acetone	100	95.6	ug/Kg	96	1		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	15.7	ug/Kg	79	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	22.0	ug/Kg	110	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.3	ug/Kg	112	2		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.4	ug/Kg	107	7		70 (39)	130 (175)	30 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.7	ug/Kg	109	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.6	ug/Kg	93	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.3	ug/Kg	106	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	6		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.2	ug/Kg	106	8		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.7	ug/Kg	109	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.9	ug/Kg	90	1		70 (77)	130 (123)	30 (20)
	Benzene	20	19.9	ug/Kg	100	4		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.6	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.2	ug/Kg	106	1		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.5	ug/Kg	108	3		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.9	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.6	ug/Kg	108	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.8	ug/Kg	104	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.6	ug/Kg	93	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.7	ug/Kg	99	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.2	ug/Kg	101	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.3	ug/Kg	106	2		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106	4		70 (83)	130 (124)	30 (20)
	1,2-Dibromo-3-Chloropropane	20	21.3	ug/Kg	106	6		40 (66)	160 (134)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	1,2,4-Trichlorobenzene	20	20.8	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	11		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: VY016244.D Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2023 Time Analyzed: 09:31

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023
WASTE-VOC	O5252-03	VY016247.D	11/07/2023

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016140.D BFB Injection Date: 10/31/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	81.6 (96.5) 1
177	5.0 - 9.0% of mass 176	5.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY016142.D	10/31/2023	12:26
VSTDICC010	VSTDICC010	VY016143.D	10/31/2023	12:49
VSTDICC020	VSTDICC020	VY016144.D	10/31/2023	13:12
VSTDICCC050	VSTDICCC050	VY016145.D	10/31/2023	13:37
VSTDICC100	VSTDICC100	VY016146.D	10/31/2023	14:13
VSTDICC150	VSTDICC150	VY016147.D	10/31/2023	14:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016242.D BFB Injection Date: 11/07/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	90.3
175	5.0 - 9.0% of mass 174	6.8 (7.5) 1
176	95.0 - 101.0% of mass 174	86.8 (96.1) 1
177	5.0 - 9.0% of mass 176	6.1 (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	VY016243.D	11/07/2023	08:35
VY1107SBL01	VY1107SBL01	VY016244.D	11/07/2023	09:31
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023	10:08
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023	10:31
WASTE-VOC	05252-03	VY016247.D	11/07/2023	11:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164275	7.80	262616	8.70	222967	11.50
UPPER LIMIT	328550	8.295	525232	9.197	445934	12.002
LOWER LIMIT	82137.5	7.295	131308	8.197	111484	11.002
EPA SAMPLE NO.						
WASTE-VOC	104317	7.80	183103	8.70	164024	11.50
VY1107SBL01	106864	7.80	189173	8.70	181795	11.50
VY1107SBS01	169940	7.80	275085	8.70	237625	11.50
VY1107SBSD01	160601	7.80	263538	8.70	230283	11.50

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: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS4 AREA #	RT #				
12 HOUR STD	100419	13.434				
UPPER LIMIT	200838	13.934				
LOWER LIMIT	50209.5	12.934				
EPA SAMPLE NO.						
WASTE-VOC	59390	13.43				
VY1107SBL01	83712	13.43				
VY1107SBS01	111499	13.43				
VY1107SBSD01	109001	13.43				

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.

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QC SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	5.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.93	U	0.93	5.00	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.00	ug/Kg
75-00-3	Chloroethane	0.88	U	0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.79	U	0.79	5.00	ug/Kg
67-64-1	Acetone	9.40	U	9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	2.20	U	2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	7.20	J	6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.73	U	0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.00	ug/Kg
110-82-7	Cyclohexane	0.70	U	0.70	5.00	ug/Kg
78-93-3	2-Butanone	7.30	U	7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.64	U	0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	3.40	U	3.40	5.00	ug/Kg
71-43-2	Benzene	0.66	U	0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.59	U	0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	25.0	ug/Kg
108-88-3	Toluene	0.65	U	0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.77	U	0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.74	U	0.74	5.00	ug/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	5.00	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.85	U	0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	0.63	U	0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	5.00	ug/Kg
100-42-5	Styrene	0.69	U	0.69	5.00	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.68	U	0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.60	U	0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.61	U	0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4		70 (50) - 130 (163)	125%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (39) - 130 (149)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.795			
540-36-3	1,4-Difluorobenzene	189000	8.697			
3114-55-4	Chlorobenzene-d5	182000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	83700	13.434			

Raw Data: **VY016244.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.9		1.60	5.00	ug/Kg
74-87-3	Chloromethane	15.9		0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.4		0.93	5.00	ug/Kg
74-83-9	Bromomethane	17.3		1.20	5.00	ug/Kg
75-00-3	Chloroethane	17.8		0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.79	5.00	ug/Kg
67-64-1	Acetone	96.7		9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.1		2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.3		0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.0		0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.72	5.00	ug/Kg
110-82-7	Cyclohexane	18.2		0.70	5.00	ug/Kg
78-93-3	2-Butanone	110		7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.4		0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.3		1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.1		3.40	5.00	ug/Kg
71-43-2	Benzene	19.1		0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.0		0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.50	25.0	ug/Kg
108-88-3	Toluene	19.4		0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.5		0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.74	5.00	ug/Kg

Raw Data: **VY016245.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	21.3		0.86	5.00	ug/Kg
591-78-6	2-Hexanone	110		5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.5		0.77	5.00	ug/Kg
100-42-5	Styrene	19.7		0.69	5.00	ug/Kg
75-25-2	Bromoform	21.5		0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		0.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.3		0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (39) - 130 (149)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	7.795			
540-36-3	1,4-Difluorobenzene	275000	8.697			
3114-55-4	Chlorobenzene-d5	238000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.434			

Raw Data: **VY016245.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.9		1.60	5.00	ug/Kg
74-87-3	Chloromethane	16.7		0.91	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.6		0.93	5.00	ug/Kg
74-83-9	Bromomethane	18.7		1.20	5.00	ug/Kg
75-00-3	Chloroethane	18.8		0.88	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.0		1.10	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		0.72	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		0.79	5.00	ug/Kg
67-64-1	Acetone	95.6		9.40	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.7		2.20	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.0		0.65	5.00	ug/Kg
79-20-9	Methyl Acetate	22.3		1.60	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		6.10	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.73	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.7		0.72	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.70	5.00	ug/Kg
78-93-3	2-Butanone	110		7.30	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.78	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.6		0.64	5.00	ug/Kg
74-97-5	Bromochloromethane	21.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.7		1.30	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.76	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.9		3.40	5.00	ug/Kg
71-43-2	Benzene	19.9		0.66	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.66	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.59	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.70	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.50	25.0	ug/Kg
108-88-3	Toluene	19.9		0.65	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.9		0.77	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.74	5.00	ug/Kg

Raw Data: **VY016246.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	21.3		0.86	5.00	ug/Kg
591-78-6	2-Hexanone	110		5.30	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.6		0.85	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.77	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.63	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.7		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.77	5.00	ug/Kg
100-42-5	Styrene	20.0		0.69	5.00	ug/Kg
75-25-2	Bromoform	21.3		0.95	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.3		0.71	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		0.68	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		0.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.2		0.60	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		1.20	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.8		0.61	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		0.63	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (50) - 130 (163)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (39) - 130 (149)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.795			
540-36-3	1,4-Difluorobenzene	264000	8.697			
3114-55-4	Chlorobenzene-d5	230000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.428			

Raw Data: **VY016246.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.280	0.326	0.304	0.335	0.346	0.322	0.319	7.5
Chloromethane	0.424	0.471	0.443	0.435	0.451	0.425	0.442	4
Vinyl Chloride	0.402	0.465	0.440	0.469	0.495	0.464	0.456	6.9
Bromomethane	0.282	0.307	0.299	0.302	0.333	0.323	0.308	6
Chloroethane	0.277	0.333	0.322	0.318	0.346	0.328	0.321	7.3
Trichlorofluoromethane	0.619	0.704	0.671	0.702	0.735	0.697	0.688	5.8
1,1,2-Trichlorotrifluoroethane	0.411	0.435	0.430	0.438	0.456	0.431	0.433	3.4
1,1-Dichloroethene	0.371	0.409	0.392	0.390	0.419	0.394	0.396	4.2
Acetone	0.118	0.102	0.084	0.069	0.077	0.069	0.086	22.6
Carbon Disulfide	0.858	0.981	0.958	1.015	1.088	1.026	0.988	7.8
Methyl tert-butyl Ether	0.969	1.171	1.139	1.071	1.240	1.162	1.125	8.4
Methyl Acetate	0.355	0.392	0.383	0.344	0.404	0.380	0.376	6
Methylene Chloride	0.683	0.611	0.511	0.459	0.485	0.448	0.533	17.6
trans-1,2-Dichloroethene	0.421	0.460	0.466	0.457	0.492	0.469	0.461	5
1,1-Dichloroethane	0.721	0.856	0.827	0.794	0.884	0.834	0.819	6.9
Cyclohexane	0.782	0.765	0.681	0.690	0.716	0.682	0.719	6.1
2-Butanone	0.138	0.142	0.128	0.113	0.132	0.122	0.129	8.1
Carbon Tetrachloride	0.343	0.420	0.418	0.443	0.478	0.458	0.426	11
cis-1,2-Dichloroethene	0.485	0.558	0.544	0.529	0.583	0.555	0.542	6.2
Bromochloromethane	0.313	0.316	0.297	0.303	0.311	0.299	0.307	2.6
Chloroform	0.792	0.938	0.908	0.871	0.946	0.896	0.892	6.3
1,1,1-Trichloroethane	0.731	0.849	0.823	0.812	0.869	0.824	0.818	5.8
Methylcyclohexane	0.466	0.503	0.500	0.539	0.556	0.519	0.514	6.2
Benzene	1.152	1.297	1.226	1.210	1.309	1.221	1.236	4.7
1,2-Dichloroethane	0.316	0.367	0.348	0.332	0.364	0.342	0.345	5.6
Trichloroethene	0.330	0.382	0.360	0.360	0.383	0.356	0.362	5.4
1,2-Dichloropropane	0.254	0.313	0.297	0.296	0.323	0.301	0.297	7.9
Bromodichloromethane	0.378	0.439	0.433	0.419	0.466	0.436	0.428	6.8
4-Methyl-2-Pentanone	0.167	0.200	0.191	0.180	0.207	0.190	0.189	7.5
Toluene	0.727	0.816	0.800	0.799	0.860	0.802	0.801	5.4
t-1,3-Dichloropropene	0.378	0.435	0.424	0.413	0.470	0.447	0.428	7.3
cis-1,3-Dichloropropene	0.443	0.520	0.503	0.486	0.546	0.514	0.502	7.1
1,1,2-Trichloroethane	0.213	0.257	0.236	0.228	0.254	0.236	0.237	7

* 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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.115	0.139	0.130	0.123	0.142	0.129	0.130	7.8
Dibromochloromethane	0.261	0.313	0.298	0.288	0.322	0.303	0.298	7.2
1,2-Dibromoethane	0.203	0.237	0.228	0.217	0.242	0.227	0.226	6.2
Tetrachloroethene	0.431	0.472	0.446	0.445	0.458	0.416	0.445	4.5
Chlorobenzene	0.903	1.021	0.994	0.984	1.061	0.996	0.993	5.3
Ethyl Benzene	1.531	1.794	1.784	1.801	1.937	1.813	1.777	7.5
m/p-Xylenes	0.592	0.690	0.691	0.698	0.748	0.700	0.687	7.4
o-Xylene	0.580	0.657	0.649	0.655	0.716	0.676	0.656	6.8
Styrene	0.944	1.088	1.093	1.091	1.193	1.129	1.090	7.5
Bromoform	0.180	0.212	0.201	0.195	0.226	0.211	0.204	7.7
Isopropylbenzene	3.270	3.831	3.777	3.766	4.045	3.815	3.751	6.8
1,1,2,2-Tetrachloroethane	0.530	0.642	0.599	0.549	0.645	0.617	0.597	8
1,3-Dichlorobenzene	1.552	1.758	1.677	1.645	1.789	1.656	1.680	5.1
1,4-Dichlorobenzene	1.597	1.746	1.675	1.588	1.747	1.608	1.660	4.4
1,2-Dichlorobenzene	1.354	1.532	1.454	1.403	1.544	1.420	1.451	5.1
1,2-Dibromo-3-Chloropropane	0.114	0.115	0.103	0.099	0.108	0.101	0.107	6.5
1,2,4-Trichlorobenzene	0.907	0.961	0.910	0.883	0.907	0.807	0.896	5.7
1,2,3-Trichlorobenzene	0.796	0.819	0.785	0.737	0.775	0.679	0.765	6.6
1,2-Dichloroethane-d4	0.466	0.460	0.471	0.439	0.505	0.466	0.468	4.6
Dibromofluoromethane	0.295	0.288	0.303	0.283	0.320	0.300	0.298	4.4
Toluene-d8	1.142	1.123	1.164	1.155	1.301	1.205	1.182	5.5
4-Bromofluorobenzene	0.423	0.395	0.401	0.372	0.434	0.401	0.404	5.4

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.319	0.348		9.09	20
Chloromethane	0.442	0.432	0.1	-2.26	20
Vinyl Chloride	0.456	0.497		8.99	20
Bromomethane	0.308	0.320		3.9	20
Chloroethane	0.321	0.340		5.92	20
Trichlorofluoromethane	0.688	0.789		14.68	20
1,1,2-Trichlorotrifluoroethane	0.433	0.492		13.63	20
1,1-Dichloroethene	0.396	0.443		11.87	20
Acetone	0.086	0.071		-17.44	20
Carbon Disulfide	0.988	1.058		7.09	20
Methyl tert-butyl Ether	1.125	1.188		5.6	20
Methyl Acetate	0.376	0.392		4.26	20
Methylene Chloride	0.533	0.513		-3.75	20
trans-1,2-Dichloroethene	0.461	0.511		10.85	20
1,1-Dichloroethane	0.819	0.924	0.1	12.82	20
Cyclohexane	0.719	0.758		5.42	20
2-Butanone	0.129	0.125		-3.1	20
Carbon Tetrachloride	0.426	0.516		21.13	20
cis-1,2-Dichloroethene	0.542	0.603		11.26	20
Bromochloromethane	0.307	0.331		7.82	20
Chloroform	0.892	0.987		10.65	20
1,1,1-Trichloroethane	0.818	0.898		9.78	20
Methylcyclohexane	0.514	0.557		8.37	20
Benzene	1.236	1.325		7.2	20
1,2-Dichloroethane	0.345	0.352		2.03	20
Trichloroethene	0.362	0.380		4.97	20
1,2-Dichloropropane	0.297	0.330		11.11	20
Bromodichloromethane	0.428	0.467		9.11	20
4-Methyl-2-Pentanone	0.189	0.187		-1.06	20
Toluene	0.801	0.855		6.74	20
t-1,3-Dichloropropene	0.428	0.453		5.84	20
cis-1,3-Dichloropropene	0.502	0.536		6.77	20
1,1,2-Trichloroethane	0.237	0.248		4.64	20
2-Hexanone	0.130	0.129		-0.77	20
Dibromochloromethane	0.298	0.317		6.38	20
1,2-Dibromoethane	0.226	0.232		2.65	20
Tetrachloroethene	0.445	0.444		-0.22	20
Chlorobenzene	0.993	1.066	0.3	7.35	20
Ethyl Benzene	1.777	1.949		9.68	20

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.687	0.747		8.73	20
o-Xylene	0.656	0.704		7.32	20
Styrene	1.090	1.169		7.25	20
Bromoform	0.204	0.216	0.1	5.88	20
Isopropylbenzene	3.751	4.261		13.6	20
1,1,2,2-Tetrachloroethane	0.597	0.650	0.3	8.88	20
1,3-Dichlorobenzene	1.680	1.818		8.21	20
1,4-Dichlorobenzene	1.660	1.791		7.89	20
1,2-Dichlorobenzene	1.451	1.562		7.65	20
1,2-Dibromo-3-Chloropropane	0.107	0.096		-10.28	20
1,2,4-Trichlorobenzene	0.896	0.887		-1	20
1,2,3-Trichlorobenzene	0.765	0.702		-8.23	20
1,2-Dichloroethane-d4	0.468	0.467		-0.21	20
Dibromofluoromethane	0.298	0.296		-0.67	20
Toluene-d8	1.182	1.186		0.34	20
4-Bromofluorobenzene	0.404	0.389		-3.71	20

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

CHEMTECH

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	104317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	183103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	164024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57215	58.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.220%			
35) Dibromofluoromethane	7.728	113	54282	49.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.191	98	211918	48.964	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.489	95	64491	43.577	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.160%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	37538	37.018	ug/l #	83

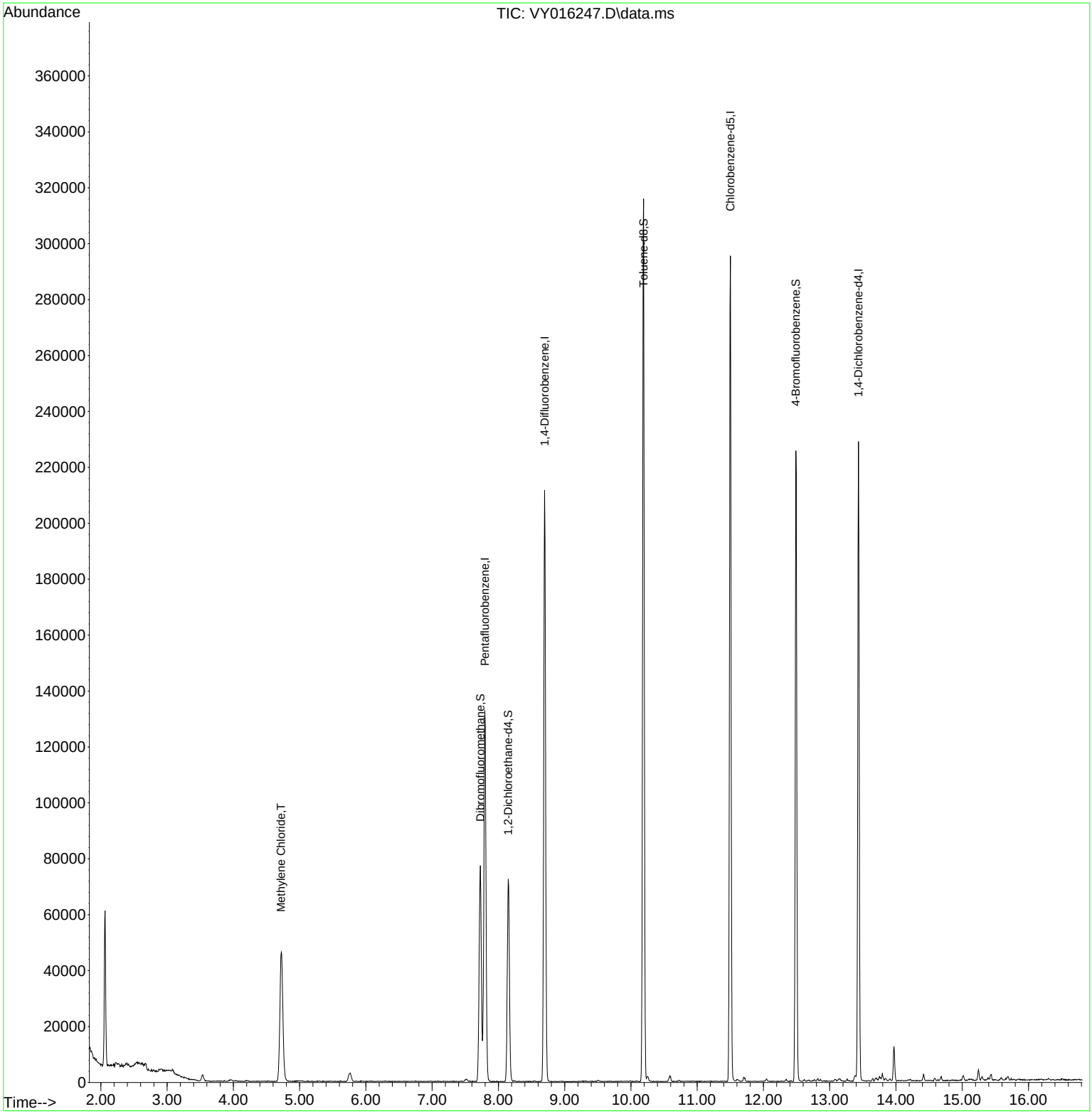
(#) = qualifier out of range (m) = manual integration (+) = signals summed

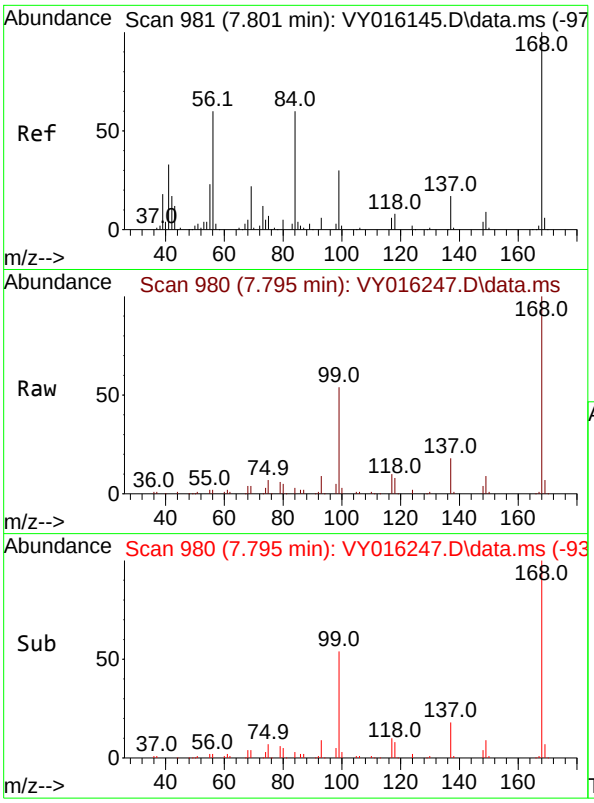
Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



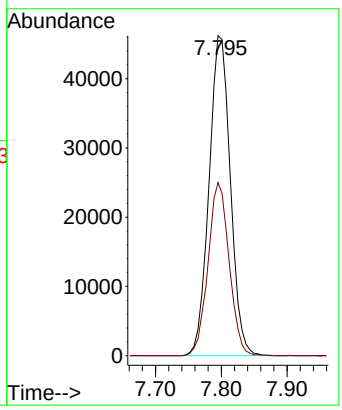


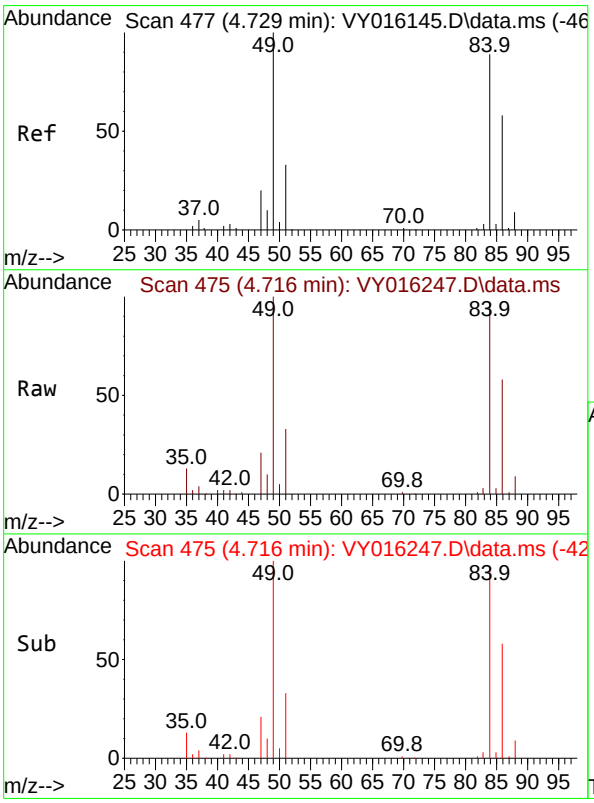
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:168 Resp: 104317

Ion	Ratio	Lower	Upper
168	100		
99	54.1	43.4	65.0

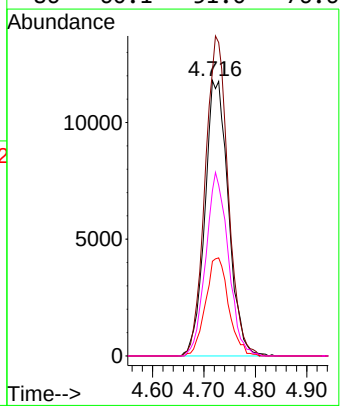


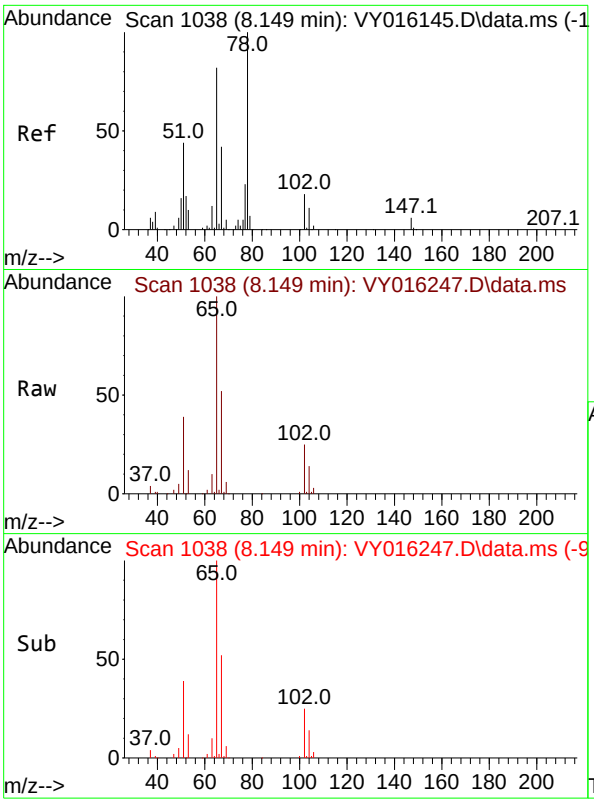


#20
Methylene Chloride
Concen: 37.018 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 84 Resp: 37538

Ion	Ratio	Lower	Upper
84	100		
49	103.4	106.9	160.3#
51	34.4	33.2	49.8
86	60.1	51.0	76.6



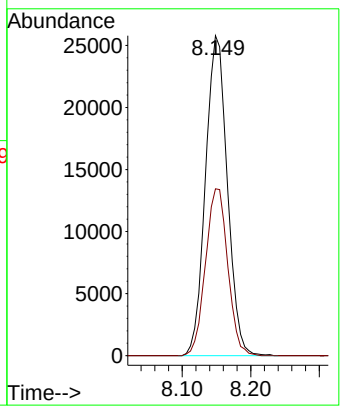


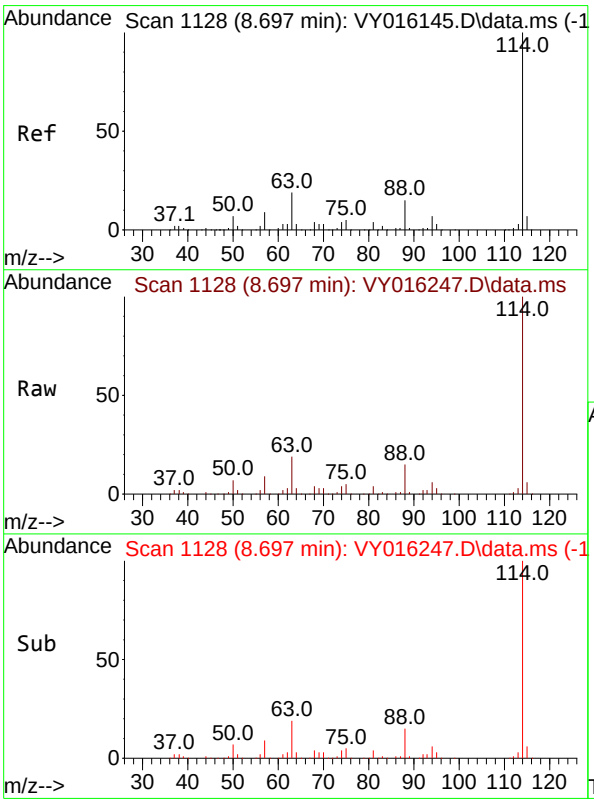
#33
1,2-Dichloroethane-d4
Concen: 58.614 ug/l
RT: 8.149 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 65 Resp: 57215

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	101.8

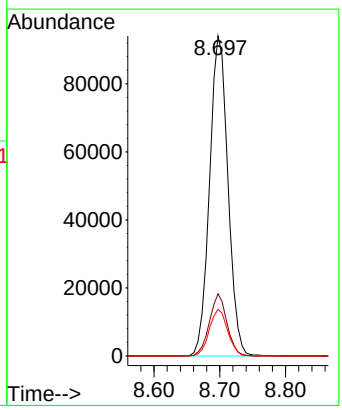


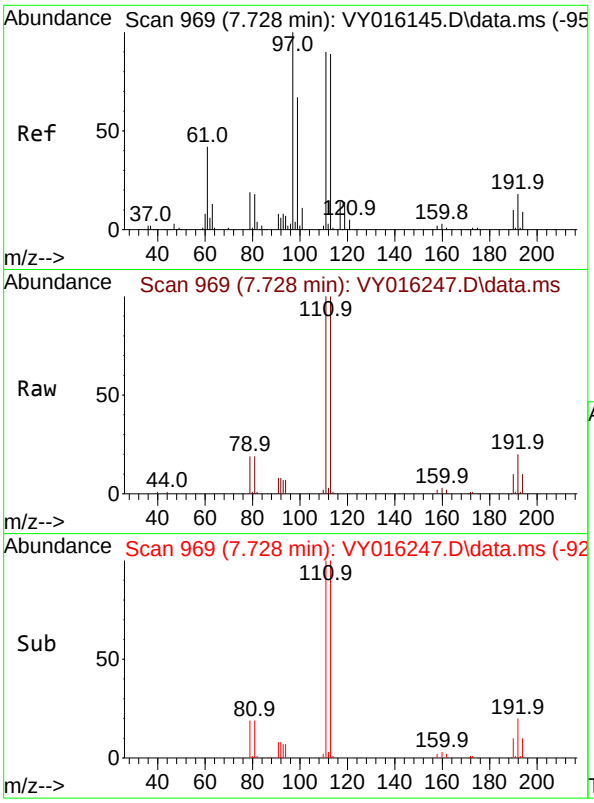


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:114 Resp: 183103

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.4
88	14.6	0.0	30.6



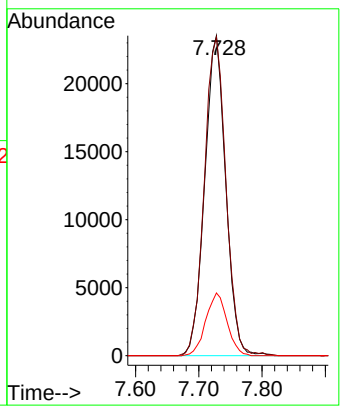


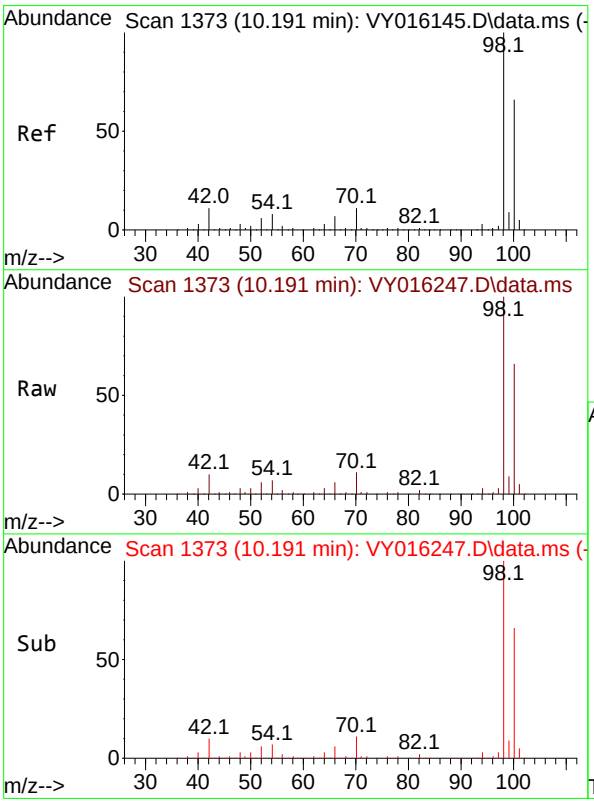
#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:113 Resp: 54282

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.9	16.9	25.3

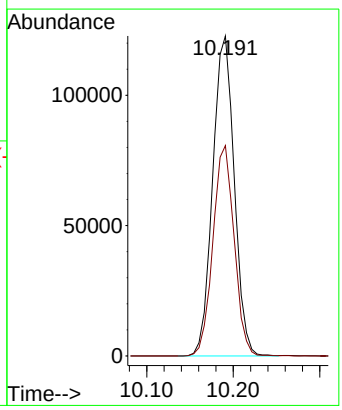


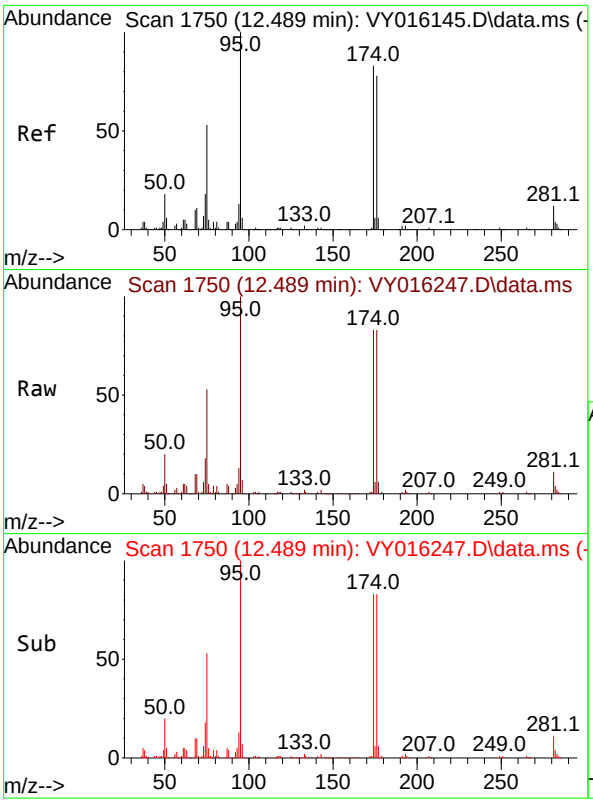


#50
Toluene-d8
Concen: 48.964 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 98 Resp: 211918

Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.1	75.1



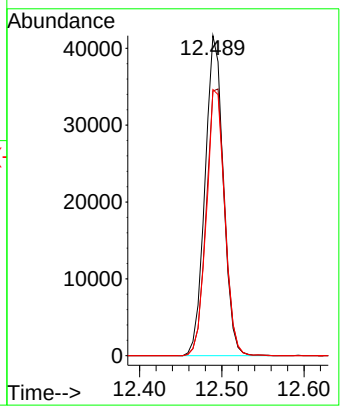


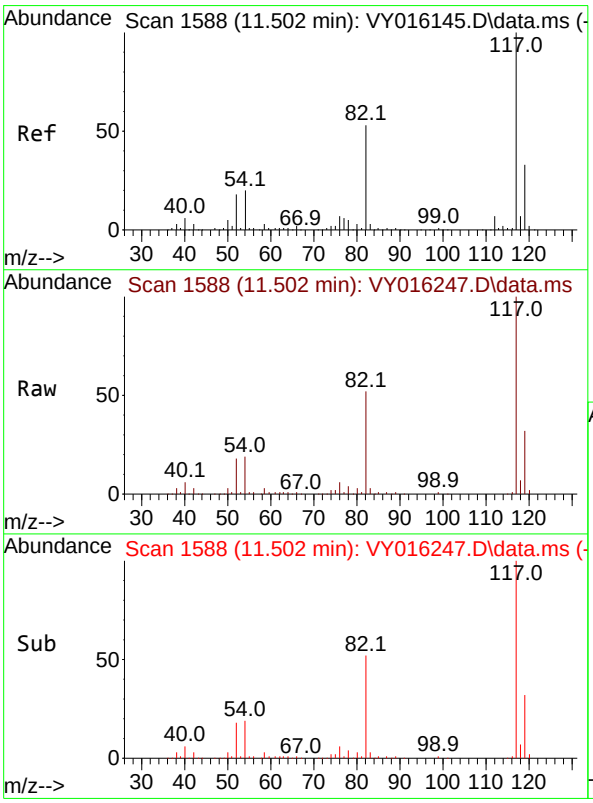
#62
4-Bromofluorobenzene
Concen: 43.577 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 95 Resp: 64491

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	178.2
176	83.4	0.0	173.8

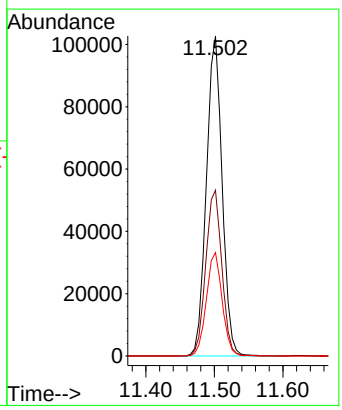


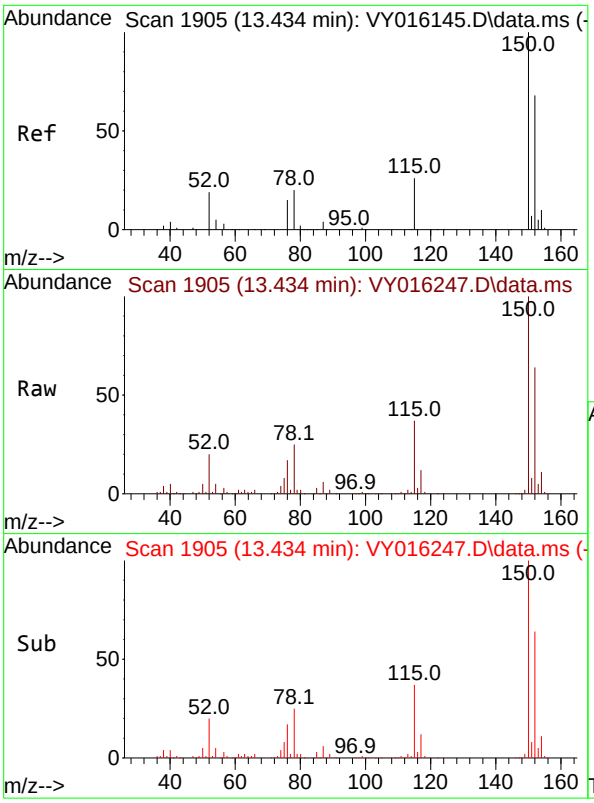


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:117 Resp: 164024

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.4	65.0
119	32.3	26.3	39.5



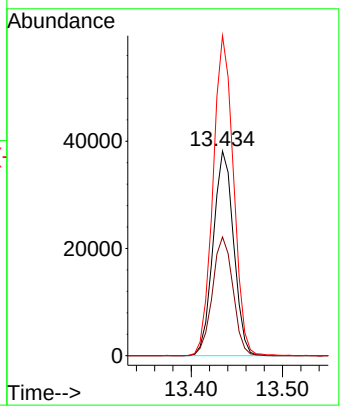


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:152 Resp: 59390

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	156.3	0.0	348.8



Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.064	34	40	46	rVB	55441	80397	14.72%	2.641%
2	4.722	465	476	492	rBV2	46220	145393	26.62%	4.775%
3	5.765	636	647	657	rBV3	3112	9914	1.82%	0.326%
4	7.728	959	969	974	rBV	77235	179841	32.93%	5.907%
5	7.795	974	980	992	rVB	132639	295975	54.19%	9.721%
6	8.149	1030	1038	1049	rBV	72364	161864	29.63%	5.316%
7	8.697	1119	1128	1143	rVB	211505	408363	74.77%	13.412%
8	10.191	1365	1373	1380	rBV	315678	546195	100.00%	17.939%
9	11.502	1580	1588	1599	rBV	295259	476968	87.33%	15.665%
10	12.489	1743	1750	1765	rVB2	225587	365565	66.93%	12.007%
11	13.434	1899	1905	1914	rVB	228524	354868	64.97%	11.655%
12	13.971	1987	1993	2000	rVB2	12392	19376	3.55%	0.636%

Sum of corrected areas: 3044719

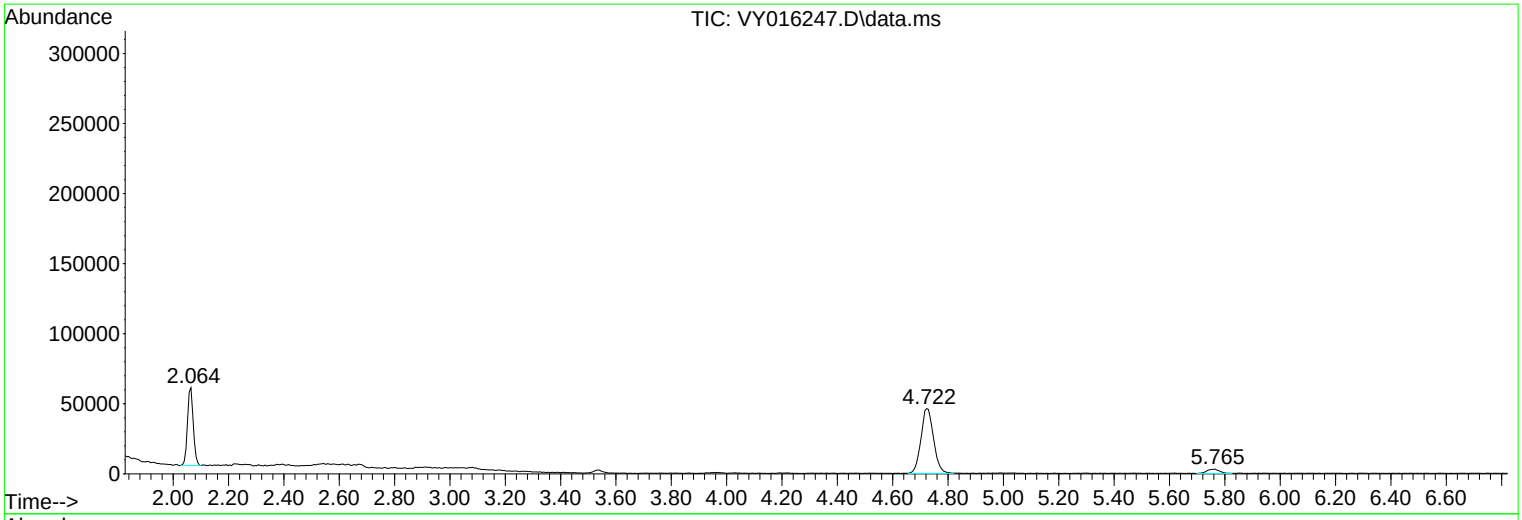
Sample Results: **VY016247.D**

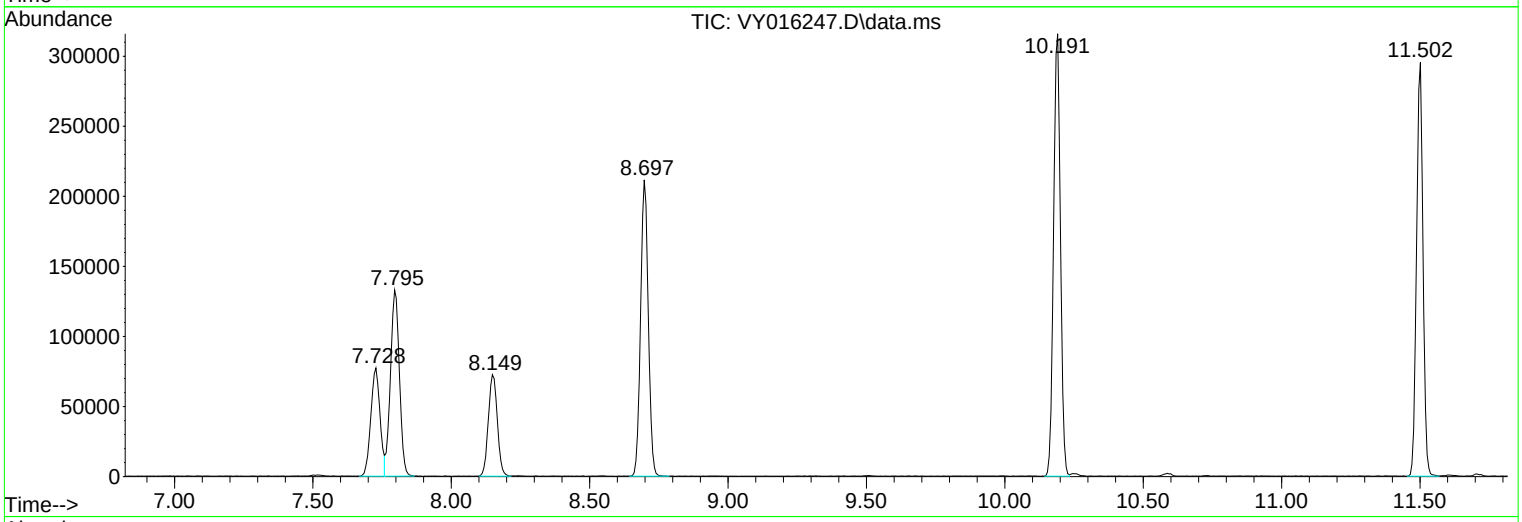
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

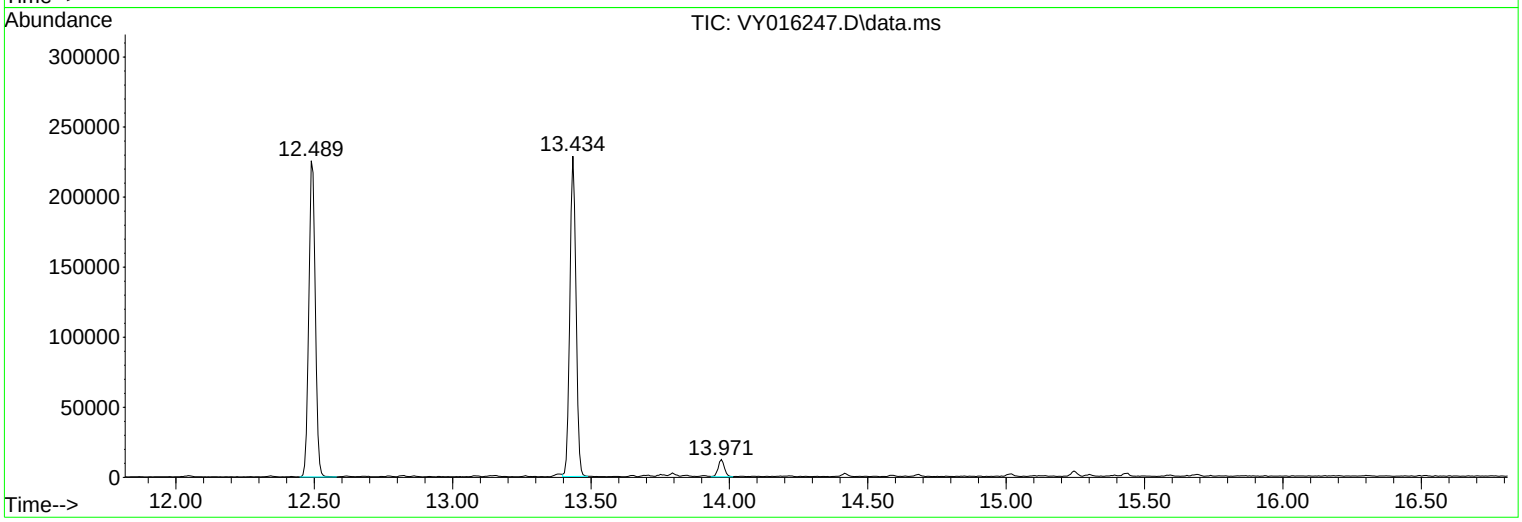
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

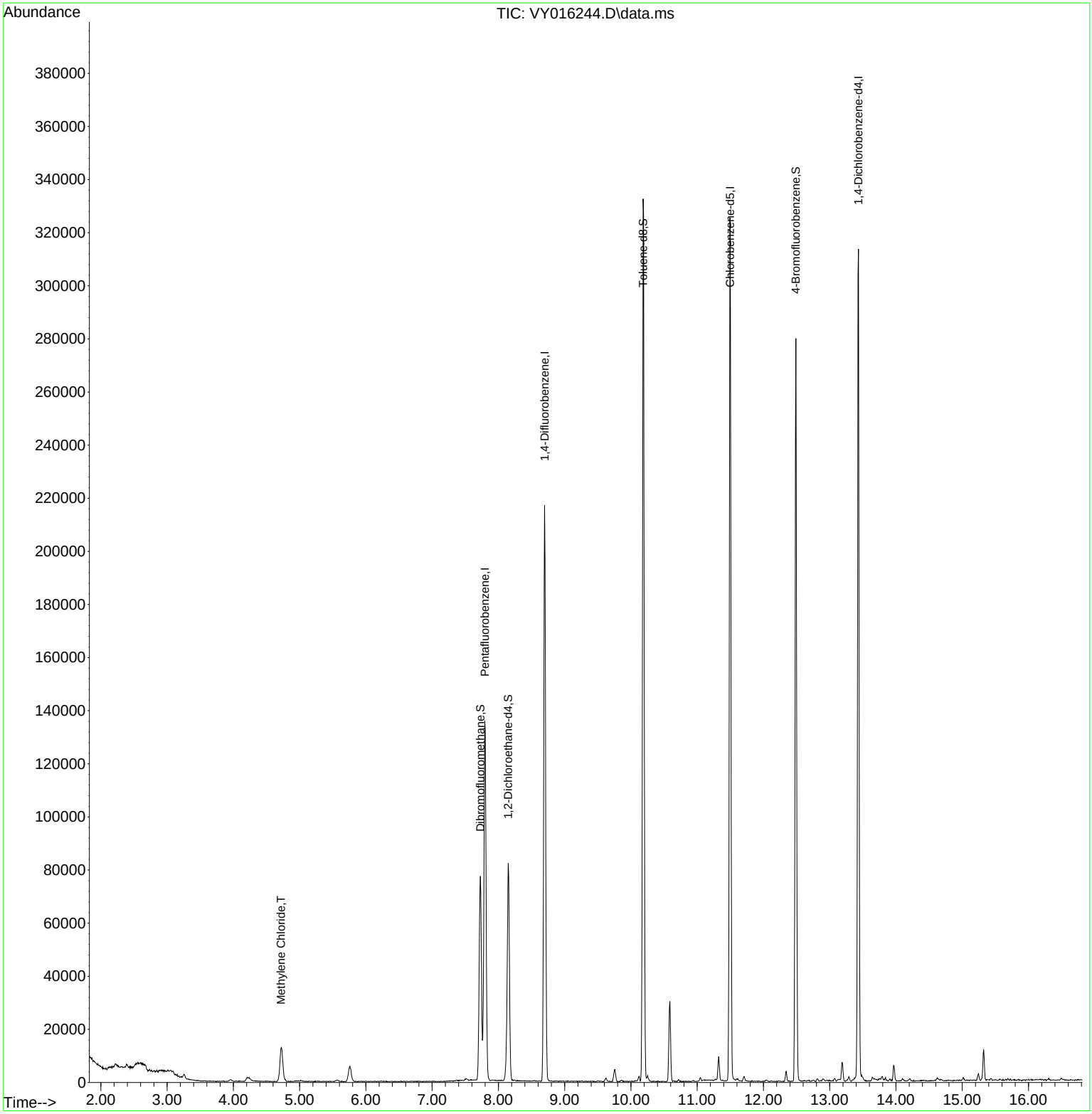
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	106864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	189173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	181795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62381	62.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.760%			
35) Dibromofluoromethane	7.728	113	55475	49.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.185	98	221655	49.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.489	95	78348	51.241	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.480%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	9952	7.176	ug/l	89

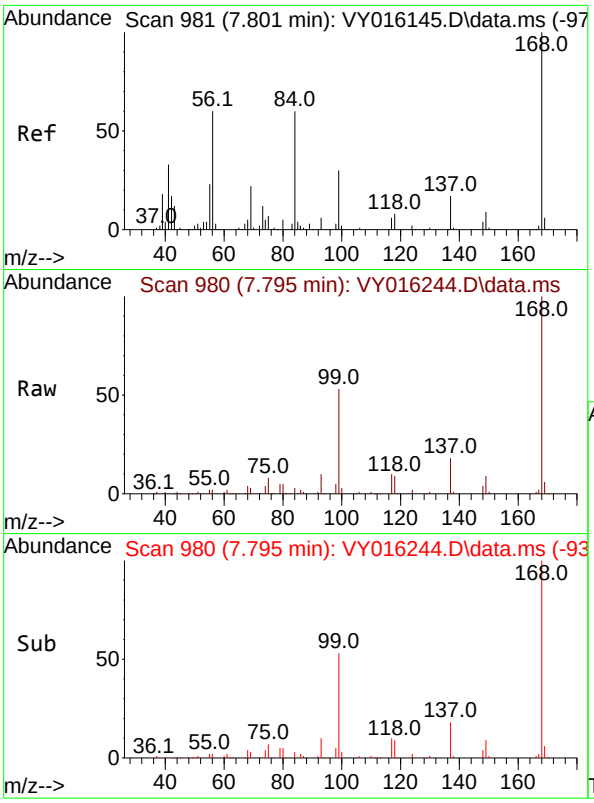
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



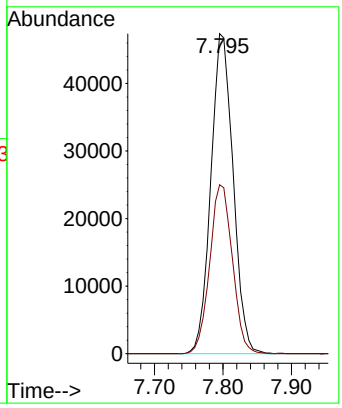


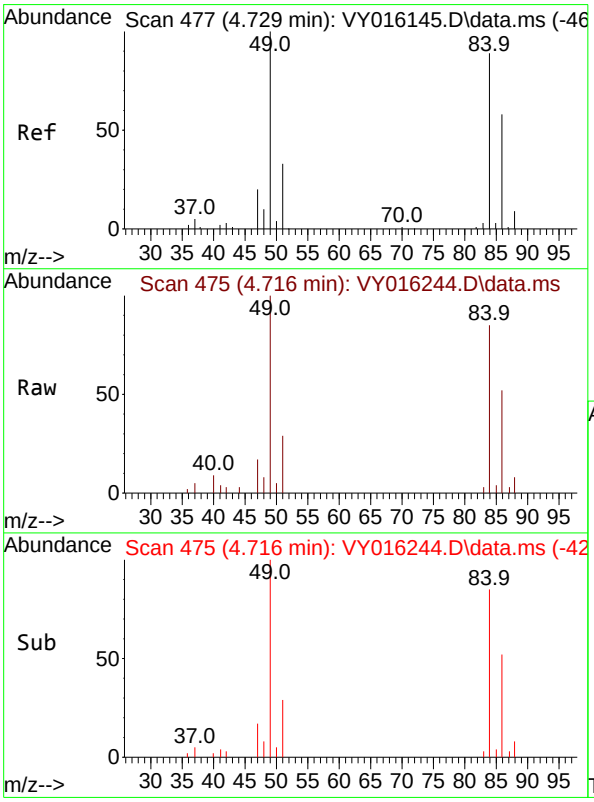
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:168 Resp: 106864

Ion	Ratio	Lower	Upper
168	100		
99	52.8	43.4	65.0

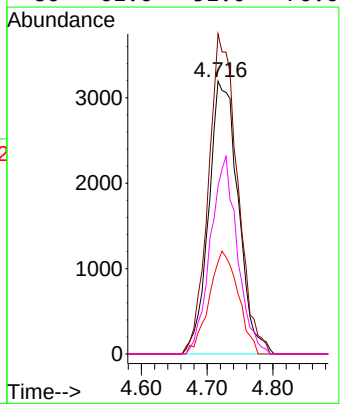


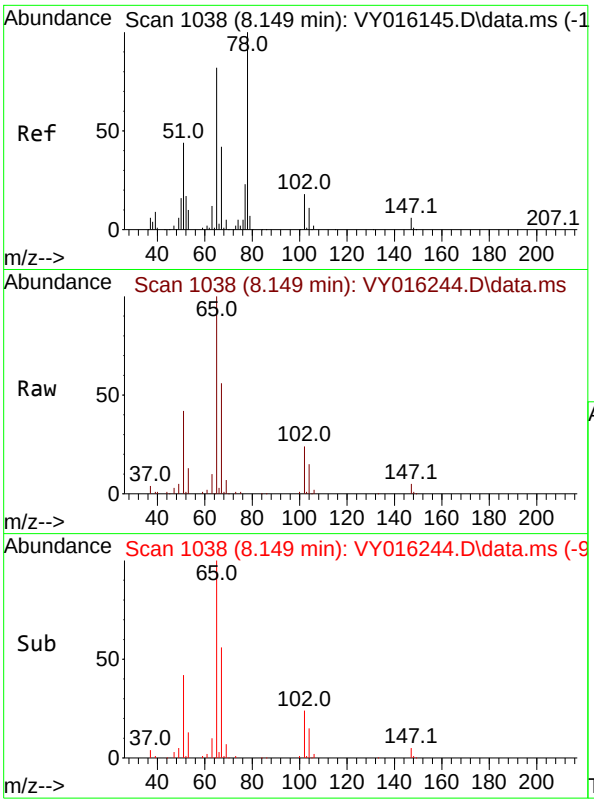


#20
Methylene Chloride
Concen: 7.176 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 84 Resp: 9952

Ion	Ratio	Lower	Upper
84	100		
49	117.4	106.9	160.3
51	33.7	33.2	49.8
86	61.6	51.0	76.6



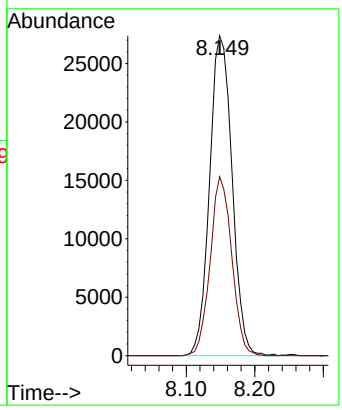


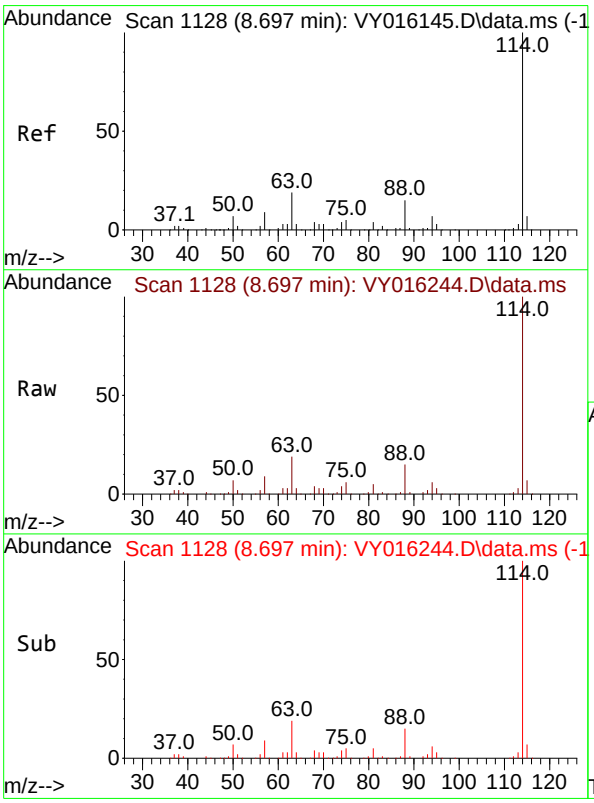
#33
1,2-Dichloroethane-d4
Concen: 62.383 ug/l
RT: 8.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 65 Resp: 62381

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	101.8

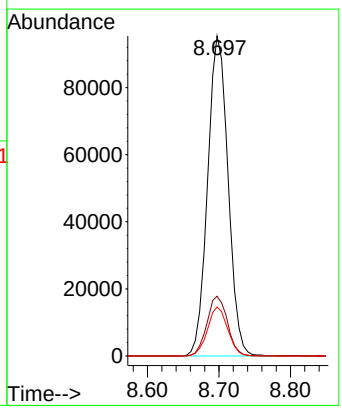


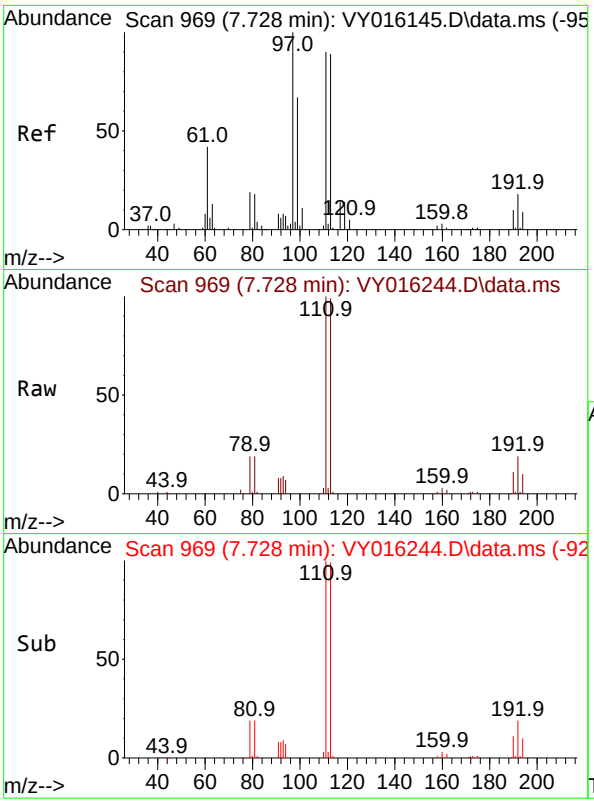


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:114 Resp: 189173

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.4
88	15.3	0.0	30.6



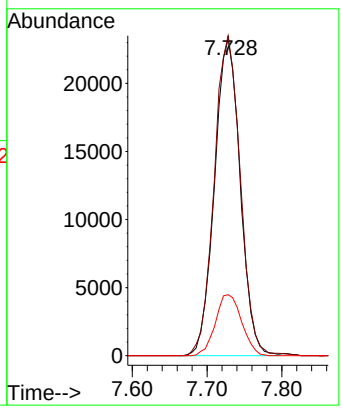


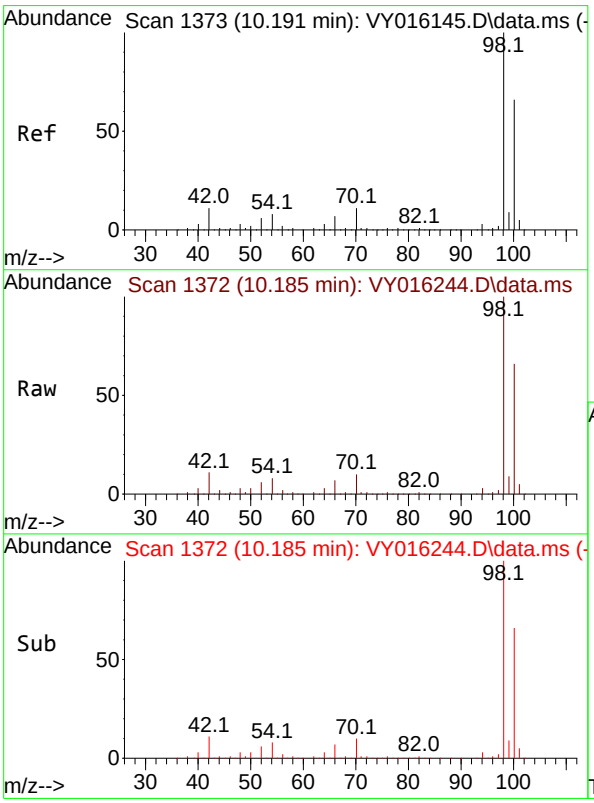
#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 7.728 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:113 Resp: 55475

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.7	16.9	25.3

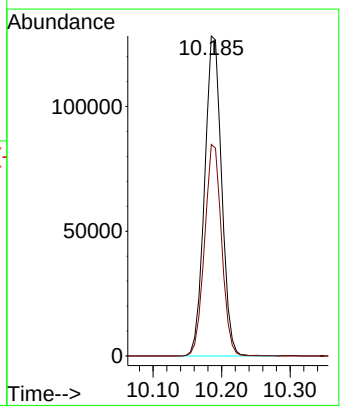




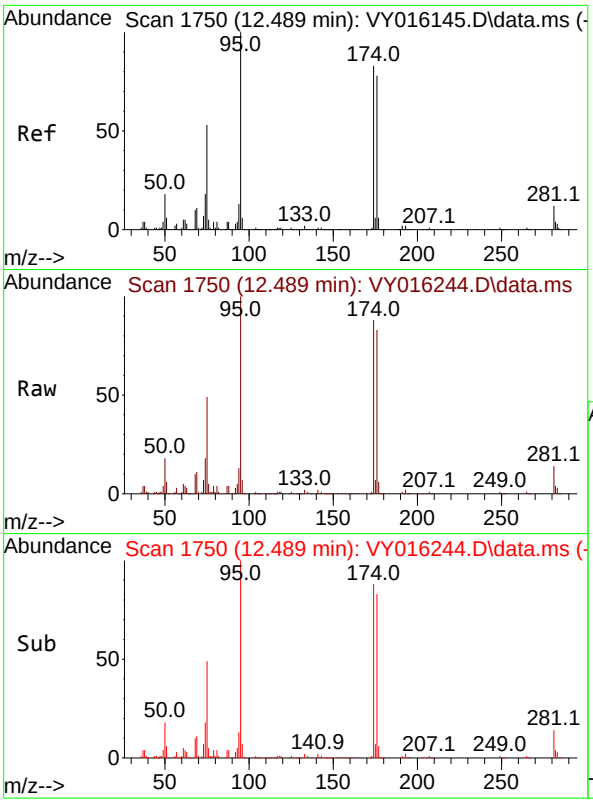
#50
Toluene-d8
Concen: 49.571 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 98 Resp: 221655

Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.1	75.1



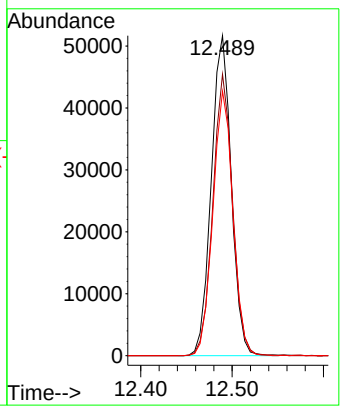
Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

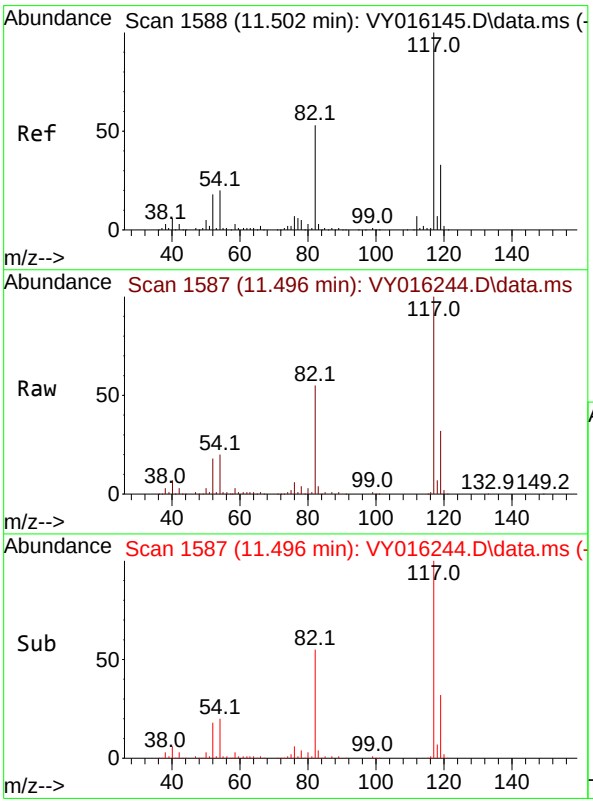


#62
4-Bromofluorobenzene
Concen: 51.241 ug/l
RT: 12.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 95 Resp: 78348

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	178.2
176	82.9	0.0	173.8

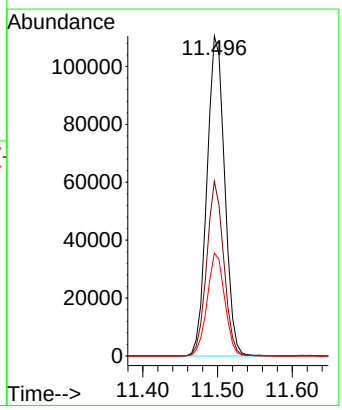


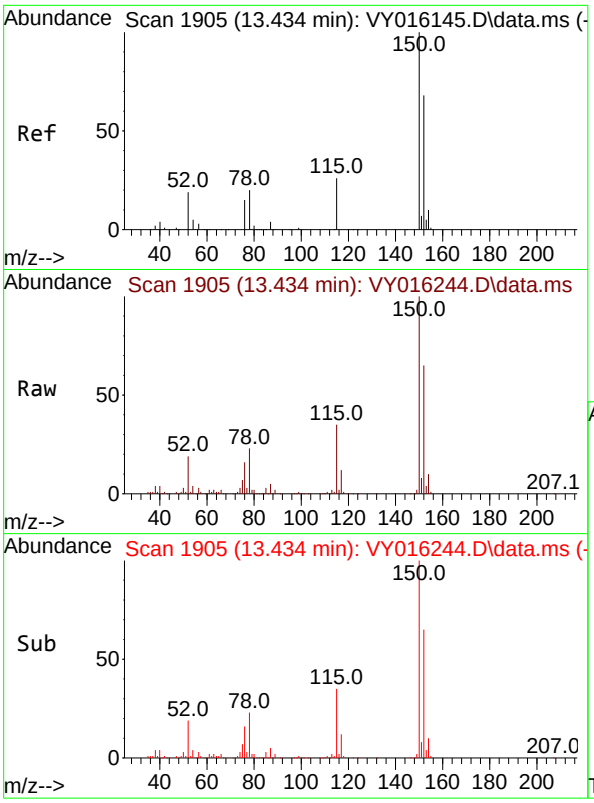


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:117 Resp: 181795

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	32.2	26.3	39.5



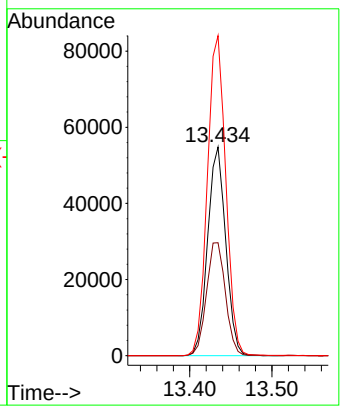


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:152 Resp: 83712

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.8	86.5
150	156.4	0.0	348.8



Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.723	465	476	492	rVB2	12811	40258	7.00%	1.209%
2	5.759	637	646	658	rVB3	5767	17460	3.04%	0.524%
3	7.728	960	969	974	rBV	76797	182195	31.68%	5.473%
4	7.795	974	980	993	rVB	135465	308698	53.67%	9.273%
5	8.149	1026	1038	1047	rBV2	81806	191064	33.22%	5.739%
6	8.697	1120	1128	1139	rBV	216803	423866	73.70%	12.733%
7	9.758	1296	1302	1308	rVB2	4568	9375	1.63%	0.282%
8	10.185	1365	1372	1380	rBV	332192	575150	100.00%	17.277%
9	10.587	1430	1438	1445	rBV	30217	55058	9.57%	1.654%
10	11.325	1553	1559	1567	rVB2	9072	14672	2.55%	0.441%
11	11.496	1580	1587	1601	rVB	324914	528277	91.85%	15.869%
12	12.343	1720	1726	1731	rBV4	3837	6027	1.05%	0.181%
13	12.489	1743	1750	1763	rVB2	279692	444017	77.20%	13.338%
14	13.190	1860	1865	1872	rVB3	7107	12525	2.18%	0.376%
15	13.434	1896	1905	1912	rBV	312331	492046	85.55%	14.781%
16	13.965	1988	1992	1999	rVB2	5927	9844	1.71%	0.296%
17	15.324	2208	2215	2221	rVB	11278	18476	3.21%	0.555%

Sum of corrected areas: 3329008

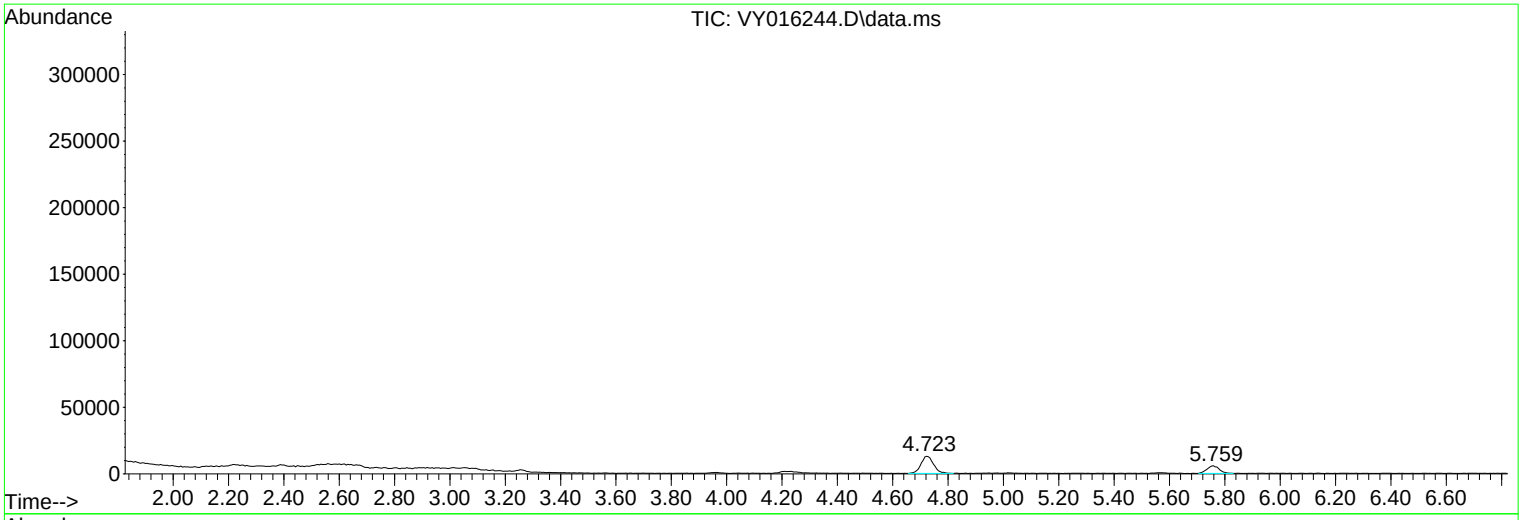
Sample Results: **VY016244.D**

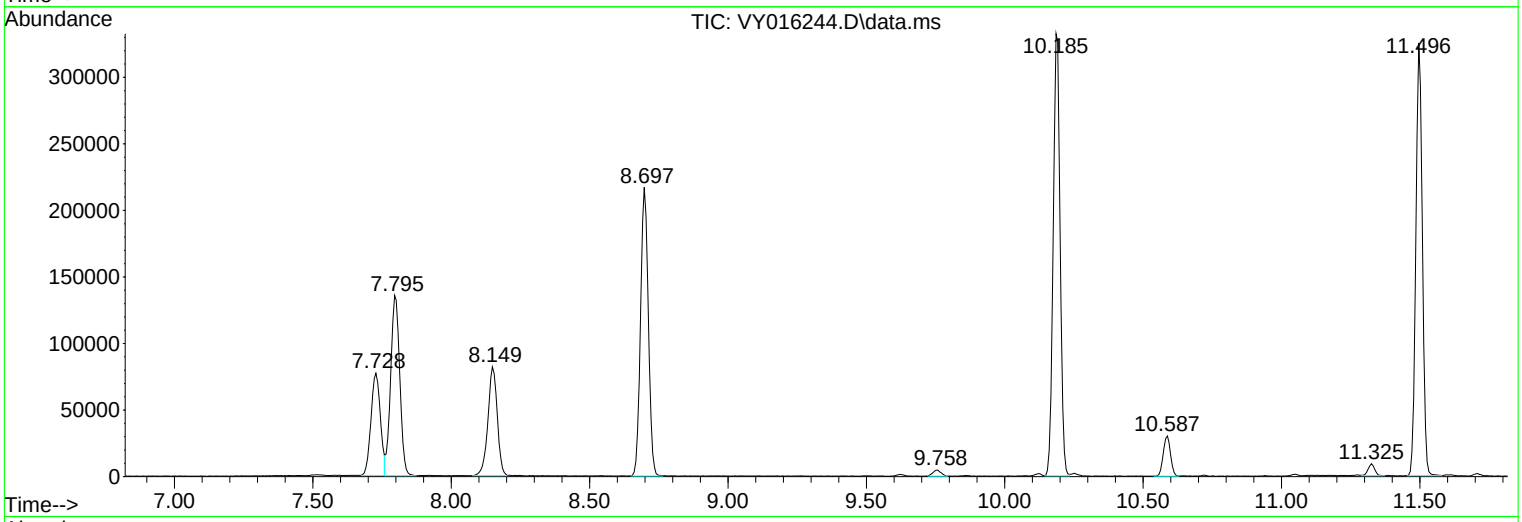
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

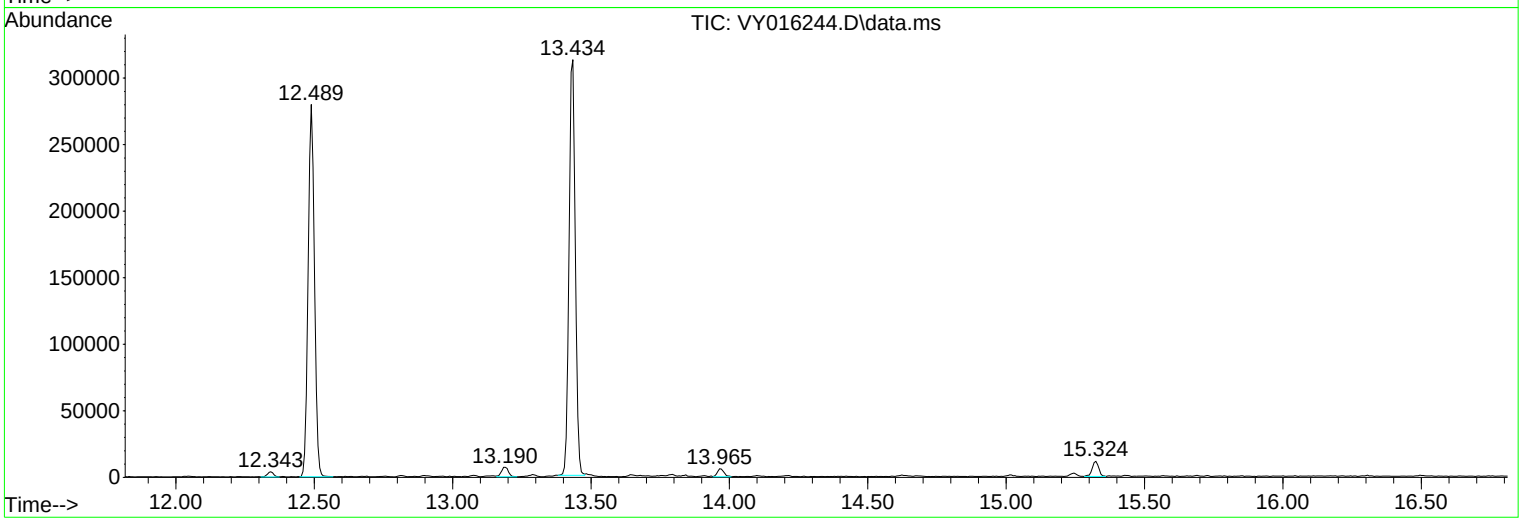
Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	169940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83244	52.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.722	113	82365	50.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.185	98	325208	50.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.489	95	107641	48.413	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	19426	17.920	ug/l	99
3) Chloromethane	2.113	50	23839	15.883	ug/l	96
4) Vinyl Chloride	2.253	62	26994	17.426	ug/l	94
5) Bromomethane	2.644	94	18074	17.289	ug/l	99
6) Chloroethane	2.796	64	19367	17.758	ug/l	99
7) Trichlorofluoromethane	3.131	101	46866	20.040	ug/l	99
8) Diethyl Ether	3.534	74	16381	21.134	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	30653	20.806	ug/l	95
10) Methyl Iodide	4.095	142	28035	17.113	ug/l	97
11) Tert butyl alcohol	4.960	59	14240	119.855	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	26051	19.373	ug/l	88
13) Acrolein	3.735	56	12325	108.136	ug/l	99
14) Allyl chloride	4.485	41	39704	20.642	ug/l #	94
15) Acrylonitrile	5.162	53	37020	111.772	ug/l	99
16) Acetone	3.948	43	27523	96.728	ug/l	98
17) Carbon Disulfide	4.198	76	50792	15.129	ug/l	98
18) Methyl Acetate	4.479	43	28115	21.985	ug/l #	89
19) Methyl tert-butyl Ether	5.235	73	81342	21.266	ug/l	98
20) Methylene Chloride	4.723	84	35358	20.036	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	29741	18.988	ug/l	92
22) Diisopropyl ether	6.125	45	99764	21.444	ug/l	89
23) Vinyl Acetate	6.064	43	242641	106.228	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	58358	20.960	ug/l	98
25) 2-Butanone	6.990	43	47585	108.464	ug/l	90
26) 2,2-Dichloropropane	6.990	77	53557	20.348	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	37539	20.365	ug/l	94
28) Bromochloromethane	7.338	49	20405	19.584	ug/l	87
29) Tetrahydrofuran	7.356	42	30593	111.242	ug/l	88
30) Chloroform	7.509	83	64563	21.299	ug/l	100
31) Cyclohexane	7.789	56	44409	18.167	ug/l #	80
32) 1,1,1-Trichloroethane	7.710	97	56312	20.256	ug/l	97
36) 1,1-Dichloropropene	7.923	75	44486	18.785	ug/l	99
37) Ethyl Acetate	7.082	43	22806	21.622	ug/l #	96
38) Carbon Tetrachloride	7.905	117	49996	21.310	ug/l	98
39) Methylcyclohexane	9.191	83	51146	18.094	ug/l	93
40) Benzene	8.167	78	130087	19.134	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	13441	21.954	ug/l	#	86
42) 1,2-Dichloroethane	8.240	62	37614	19.825	ug/l		94
43) Isopropyl Acetate	8.277	43	44322	21.244	ug/l	#	93
44) Trichloroethene	8.947	130	37988	19.094	ug/l		97
45) 1,2-Dichloropropane	9.222	63	34340	20.997	ug/l		96
46) Dibromomethane	9.307	93	18983	20.461	ug/l		96
47) Bromodichloromethane	9.502	83	49460	20.982	ug/l		96
48) Methyl methacrylate	9.301	41	18862	19.882	ug/l	#	86
49) 1,4-Dioxane	9.307	88	4841	364.880	ug/l	#	67
51) 4-Methyl-2-Pentanone	10.075	43	114176	109.677	ug/l		91
52) Toluene	10.252	92	85533	19.415	ug/l		94
53) t-1,3-Dichloropropene	10.472	75	48282	20.518	ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	55985	20.275	ug/l		90
55) 1,1,2-Trichloroethane	10.648	97	27848	21.339	ug/l		98
56) Ethyl methacrylate	10.514	69	34963	20.629	ug/l	#	86
57) 1,3-Dichloropropane	10.795	76	46336	20.856	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.789	63	87916	106.974	ug/l		94
59) 2-Hexanone	10.837	43	80200	112.424	ug/l		91
60) Dibromochloromethane	10.990	129	34243	20.915	ug/l		99
61) 1,2-Dibromoethane	11.093	107	25705	20.708	ug/l		97
64) Tetrachloroethene	10.728	164	38821	18.367	ug/l		95
65) Chlorobenzene	11.520	112	94284	19.971	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36188	20.695	ug/l		96
67) Ethyl Benzene	11.599	91	166149	19.676	ug/l		98
68) m/p-Xylenes	11.709	106	127656	39.123	ug/l		94
69) o-Xylene	12.038	106	60698	19.483	ug/l		97
70) Styrene	12.051	104	101835	19.663	ug/l		96
71) Bromoform	12.215	173	20865	21.509	ug/l	#	100
73) Isopropylbenzene	12.337	105	167894	20.074	ug/l		99
74) N-amyl acetate	12.148	43	37343	20.546	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	30023	22.559	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	20189m	19.228	ug/l		
77) Bromobenzene	12.618	156	38382	20.267	ug/l		96
78) n-propylbenzene	12.678	91	200334	20.260	ug/l		99
79) 2-Chlorotoluene	12.764	91	110459	20.028	ug/l		98
80) 1,3,5-Trimethylbenzene	12.819	105	134785	19.891	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.386	75	10228	21.121	ug/l		94
82) 4-Chlorotoluene	12.861	91	112298	19.829	ug/l		98
83) tert-Butylbenzene	13.081	119	124687	20.565	ug/l		97
84) 1,2,4-Trimethylbenzene	13.130	105	132229	19.721	ug/l		98
85) sec-Butylbenzene	13.264	105	182828	20.545	ug/l		99
86) p-Isopropyltoluene	13.380	119	150141	20.357	ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	76194	20.343	ug/l		98
88) 1,4-Dichlorobenzene	13.453	146	73225	19.780	ug/l		99
89) n-Butylbenzene	13.703	91	137710	20.321	ug/l		97
90) Hexachloroethane	13.971	117	28630	22.526	ug/l		90
91) 1,2-Dichlorobenzene	13.745	146	65751	20.318	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4766	20.010	ug/l		97
93) 1,2,4-Trichlorobenzene	15.020	180	37508	18.778	ug/l		99
94) Hexachlorobutadiene	15.123	225	22586	20.693	ug/l		97
95) Naphthalene	15.245	128	68341	17.612	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	31226	18.301	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
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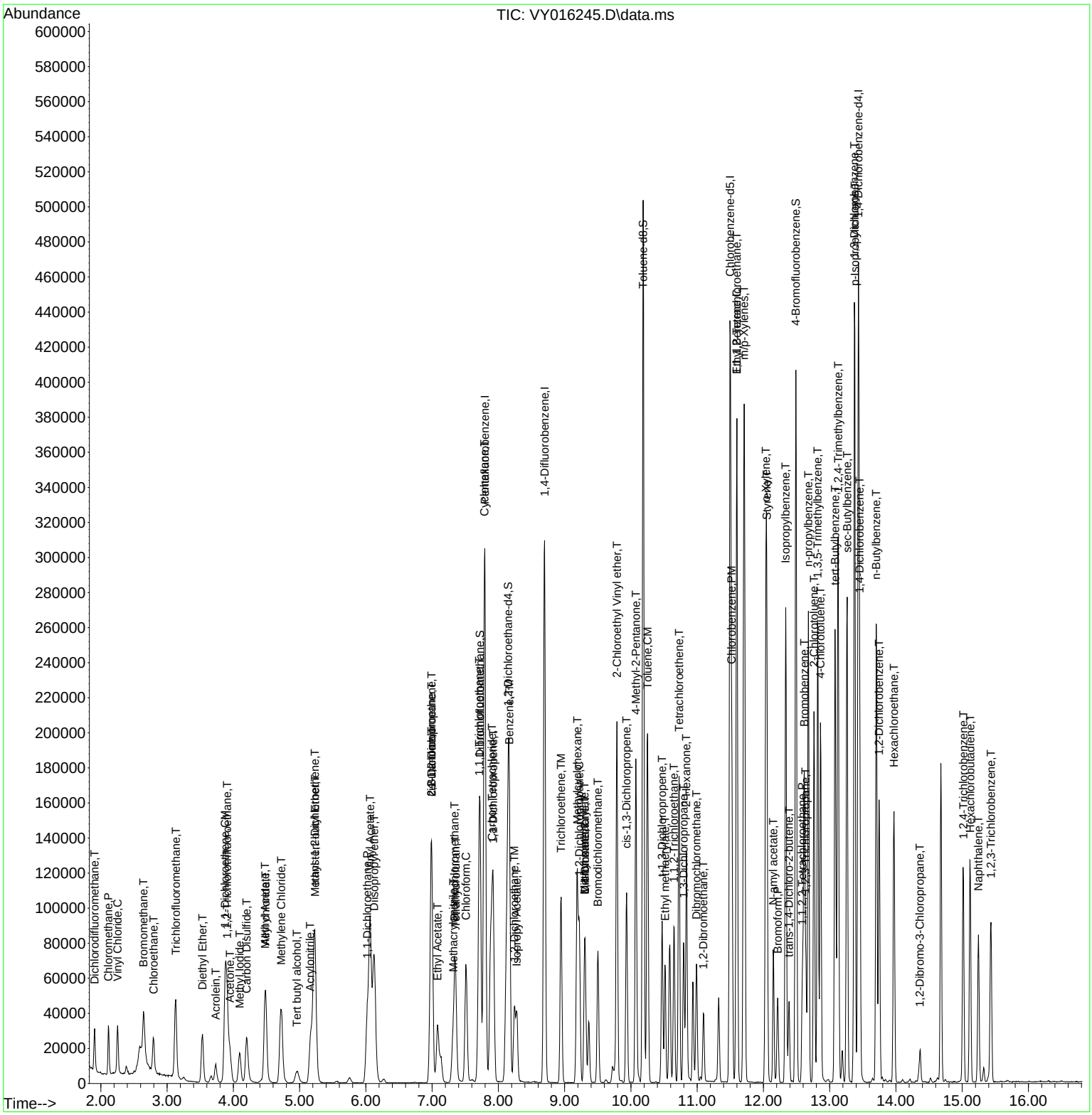
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	160601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	230283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80176	53.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.728	113	78919	50.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.185	98	316507	50.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.483	95	106755	50.118	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	18351	17.913	ug/l	89
3) Chloromethane	2.119	50	23636	16.664	ug/l	98
4) Vinyl Chloride	2.253	62	27166	18.557	ug/l	96
5) Bromomethane	2.650	94	18458	18.683	ug/l	97
6) Chloroethane	2.796	64	19383	18.807	ug/l	100
7) Trichlorofluoromethane	3.131	101	46494	21.037	ug/l	97
8) Diethyl Ether	3.534	74	15679	21.405	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	29250	21.008	ug/l	96
10) Methyl Iodide	4.095	142	28775	18.586	ug/l	95
11) Tert butyl alcohol	4.960	59	12725	113.331	ug/l #	78
12) 1,1-Dichloroethene	3.881	96	25157	19.796	ug/l	91
13) Acrolein	3.741	56	12281	114.488	ug/l	99
14) Allyl chloride	4.485	41	39531	21.748	ug/l #	94
15) Acrylonitrile	5.174	53	36151	115.495	ug/l	96
16) Acetone	3.954	43	25754	95.571	ug/l	94
17) Carbon Disulfide	4.204	76	49880	15.722	ug/l	99
18) Methyl Acetate	4.479	43	26911	22.267	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	79471	21.985	ug/l	99
20) Methylene Chloride	4.729	84	35432	21.441	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	29486	19.919	ug/l	95
22) Diisopropyl ether	6.125	45	97630	22.206	ug/l	92
23) Vinyl Acetate	6.070	43	235986	109.322	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	57056	21.684	ug/l	98
25) 2-Butanone	6.990	43	45782	110.423	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	51887	20.860	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	37654	21.615	ug/l	91
28) Bromochloromethane	7.344	49	20917	21.243	ug/l	89
29) Tetrahydrofuran	7.356	42	29840	114.814	ug/l	90
30) Chloroform	7.515	83	62243	21.727	ug/l	99
31) Cyclohexane	7.795	56	43050	18.635	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	55212	21.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43928	19.363	ug/l	100
37) Ethyl Acetate	7.082	43	21771	21.545	ug/l	96
38) Carbon Tetrachloride	7.911	117	47928	21.324	ug/l	98
39) Methylcyclohexane	9.191	83	48598	17.946	ug/l	92
40) Benzene	8.167	78	129431	19.872	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.313	41	11857m	20.215	ug/l		
42) 1,2-Dichloroethane	8.246	62	36910	20.307	ug/l		94
43) Isopropyl Acetate	8.277	43	43164	21.595	ug/l	#	92
44) Trichloroethene	8.947	130	37388	19.616	ug/l		96
45) 1,2-Dichloropropane	9.222	63	33192	21.184	ug/l		94
46) Dibromomethane	9.313	93	18567	20.889	ug/l		96
47) Bromodichloromethane	9.502	83	48602	21.522	ug/l		99
48) Methyl methacrylate	9.301	41	17817	19.603	ug/l	#	87
49) 1,4-Dioxane	9.307	88	4273	325.850	ug/l	#	58
51) 4-Methyl-2-Pentanone	10.075	43	111058	111.356	ug/l		91
52) Toluene	10.246	92	84155	19.939	ug/l		95
53) t-1,3-Dichloropropene	10.471	75	47216	20.944	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	55374	20.933	ug/l		89
55) 1,1,2-Trichloroethane	10.648	97	26629	21.299	ug/l		96
56) Ethyl methacrylate	10.514	69	34744	21.398	ug/l	#	85
57) 1,3-Dichloropropane	10.795	76	44583	20.946	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.789	63	85213	108.228	ug/l		92
59) 2-Hexanone	10.837	43	77155	112.894	ug/l		90
60) Dibromochloromethane	10.990	129	33935	21.635	ug/l		99
61) 1,2-Dibromoethane	11.093	107	24732	20.797	ug/l		98
64) Tetrachloroethene	10.727	164	38162	18.631	ug/l		98
65) Chlorobenzene	11.520	112	92316	20.178	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35873	21.169	ug/l		97
67) Ethyl Benzene	11.599	91	164828	20.142	ug/l		99
68) m/p-Xylenes	11.709	106	125647	39.735	ug/l		95
69) o-Xylene	12.032	106	61012	20.208	ug/l		95
70) Styrene	12.050	104	100614	20.046	ug/l		97
71) Bromoform	12.215	173	20044	21.321	ug/l	#	100
73) Isopropylbenzene	12.331	105	166123	20.317	ug/l		99
74) N-amyl acetate	12.148	43	37203	20.938	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	29087	22.356	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	21169m	20.623	ug/l		
77) Bromobenzene	12.611	156	38076	20.566	ug/l		95
78) n-propylbenzene	12.672	91	199023	20.588	ug/l		100
79) 2-Chlorotoluene	12.758	91	110412	20.479	ug/l		99
80) 1,3,5-Trimethylbenzene	12.819	105	134131	20.248	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.380	75	9914	20.941	ug/l		94
82) 4-Chlorotoluene	12.855	91	113660	20.530	ug/l		99
83) tert-Butylbenzene	13.081	119	123548	20.844	ug/l		97
84) 1,2,4-Trimethylbenzene	13.123	105	132704	20.245	ug/l		98
85) sec-Butylbenzene	13.258	105	181850	20.904	ug/l		100
86) p-Isopropyltoluene	13.373	119	146572	20.329	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	76357	20.853	ug/l		100
88) 1,4-Dichlorobenzene	13.447	146	75781	20.940	ug/l		99
89) n-Butylbenzene	13.696	91	139116	20.999	ug/l		96
90) Hexachloroethane	13.965	117	28101	22.617	ug/l		89
91) 1,2-Dichlorobenzene	13.745	146	66985	21.173	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4953	21.271	ug/l		98
93) 1,2,4-Trichlorobenzene	15.013	180	40611	20.798	ug/l		99
94) Hexachlorobutadiene	15.111	225	23548	22.069	ug/l		99
95) Naphthalene	15.239	128	75458	19.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	34352	20.594	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

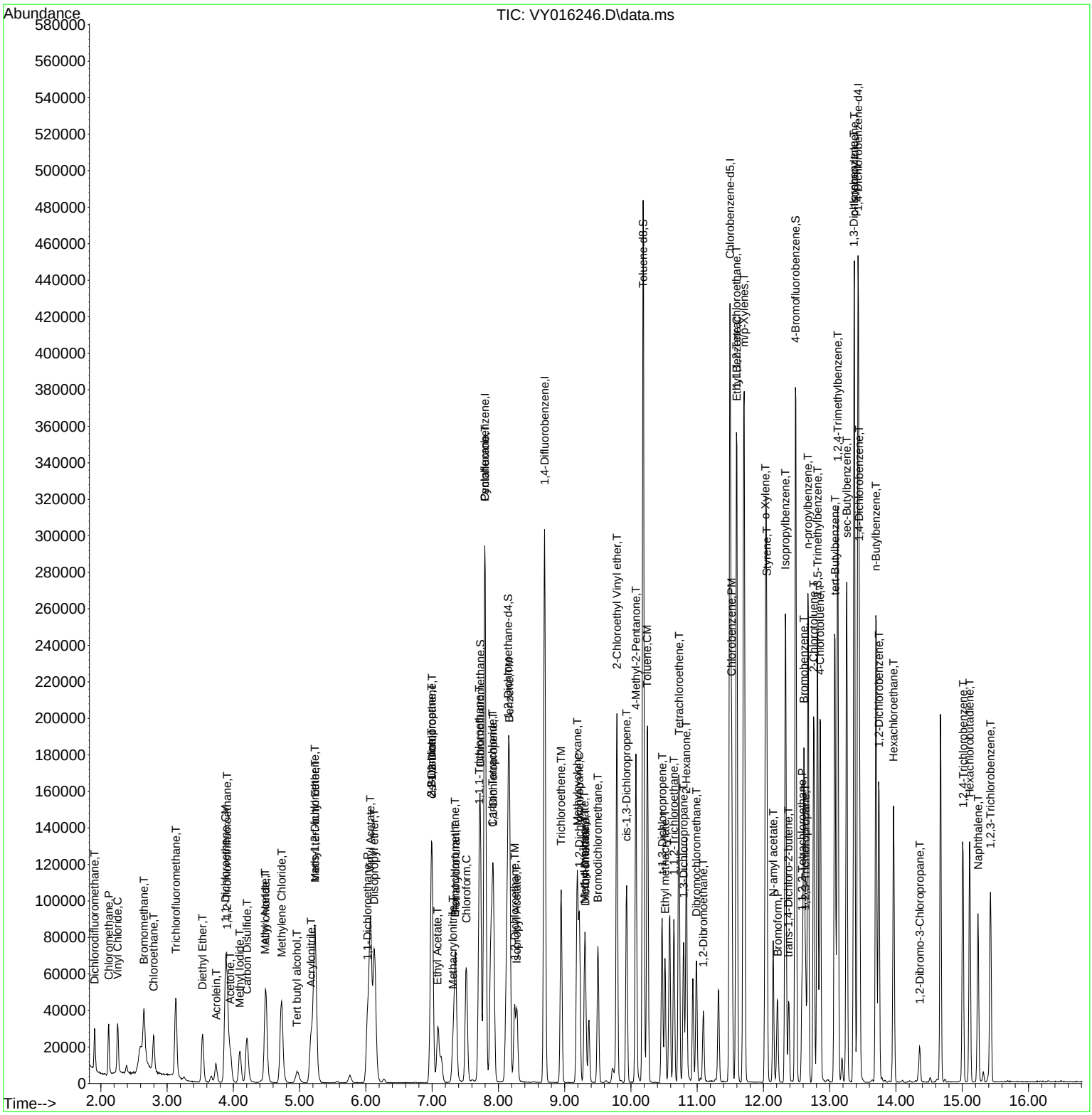
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	vy103123	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY016142.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:03:56 AM	MMDadoda	11/1/2023 4:44:48 PM	Peak Integrated by Software
VSTDICC010	VY016143.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:03 AM	MMDadoda	11/1/2023 4:44:50 PM	Peak Integrated by Software
VSTDICC020	VY016144.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:08 AM	MMDadoda	11/1/2023 4:44:51 PM	Peak Integrated by Software
VSTDICCC050	VY016145.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:14 AM	MMDadoda	11/1/2023 4:44:53 PM	Peak Integrated by Software
VSTDICC100	VY016146.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:21 AM	MMDadoda	11/1/2023 4:44:54 PM	Peak Integrated by Software
VSTDICC150	VY016147.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:28 AM	MMDadoda	11/1/2023 4:44:55 PM	Peak Integrated by Software
VSTDICV050	VY016148.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:34 AM	MMDadoda	11/1/2023 4:44:57 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	Methacrylonitrile	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY110723	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY016243.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:33 AM	MMDadoda	11/8/2023 3:22:09 PM	Peak Integrated by Software
VY1107SBS01	VY016245.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:40 AM	MMDadoda	11/8/2023 3:22:11 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	Methacrylonitrile	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VSTDCCC050	VY016251.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:51 AM	MMDadoda	11/8/2023 3:22:14 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016140.D	31 Oct 2023 08:42	SY/MD	Ok
2	VSTDCCC050	VY016141.D	31 Oct 2023 09:54	SY/MD	Not Ok
3	VSTDICC005	VY016142.D	31 Oct 2023 12:26	SY/MD	Ok,M
4	VSTDICC010	VY016143.D	31 Oct 2023 12:49	SY/MD	Ok,M
5	VSTDICC020	VY016144.D	31 Oct 2023 13:12	SY/MD	Ok,M
6	VSTDICCC050	VY016145.D	31 Oct 2023 13:37	SY/MD	Ok,M
7	VSTDICC100	VY016146.D	31 Oct 2023 14:13	SY/MD	Ok,M
8	VSTDICC150	VY016147.D	31 Oct 2023 14:40	SY/MD	Ok,M
9	VSTDICV050	VY016148.D	31 Oct 2023 15:03	SY/MD	Ok,M
10	VY1031SBL01	VY016149.D	31 Oct 2023 16:28	SY/MD	Ok
11	VY1031SBS01	VY016150.D	31 Oct 2023 16:51	SY/MD	Ok,M
12	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13	SY/MD	Ok,M
13	O4699-01 2.5PPB	VY016152.D	31 Oct 2023 17:36	SY/MD	Ok,M
14	O4699-01 4.0PPB	VY016153.D	31 Oct 2023 17:59	SY/MD	Ok,M
15	O5136-01	VY016154.D	31 Oct 2023 18:23	SY/MD	Ok
16	O5107-23	VY016155.D	31 Oct 2023 18:47	SY/MD	Ok
17	VSTDCCC050	VY016156.D	31 Oct 2023 19:32	SY/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016242.D	07 Nov 2023 08:03	SY/MD	Ok
2	VSTDCCC050	VY016243.D	07 Nov 2023 08:35	SY/MD	Ok,M
3	VY1107SBL01	VY016244.D	07 Nov 2023 09:31	SY/MD	Ok
4	VY1107SBS01	VY016245.D	07 Nov 2023 10:08	SY/MD	Ok,M
5	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31	SY/MD	Ok,M
6	O5252-03	VY016247.D	07 Nov 2023 11:34	SY/MD	Ok
7	BLK	VY016248.D	07 Nov 2023 12:45	SY/MD	Ok
8	O5292-03	VY016249.D	07 Nov 2023 16:41	SY/MD	ReRun
9	O5291-03	VY016250.D	07 Nov 2023 17:04	SY/MD	Ok
10	VSTDCCC050	VY016251.D	07 Nov 2023 17:27	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016140.D	31 Oct 2023 08:42		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016141.D	31 Oct 2023 09:54		SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY016142.D	31 Oct 2023 12:26	Good for DOD	SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY016143.D	31 Oct 2023 12:49	LR- 13, 16, 20, 49	SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY016144.D	31 Oct 2023 13:12		SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY016145.D	31 Oct 2023 13:37		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY016146.D	31 Oct 2023 14:13		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY016147.D	31 Oct 2023 14:40		SY/MD	Ok,M
9	VSTDICV050	ICVVY103123	VY016148.D	31 Oct 2023 15:03		SY/MD	Ok,M
10	VY1031SBL01	VY1031SBL01	VY016149.D	31 Oct 2023 16:28		SY/MD	Ok
11	VY1031SBS01	VY1031SBS01	VY016150.D	31 Oct 2023 16:51		SY/MD	Ok,M
12	VY1031SBSD01	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13		SY/MD	Ok,M
13	O4699-01 2.5PPB	LOD-MDL-SOIL-01-QT	VY016152.D	31 Oct 2023 17:36	LOD-2.5 ppb	SY/MD	Ok,M
14	O4699-01 4.0PPB	LOD-MDL-SOIL-01-QT	VY016153.D	31 Oct 2023 17:59	LOD-4.0 ppb	SY/MD	Ok,M
15	O5136-01	SLUDGE-COMP	VY016154.D	31 Oct 2023 18:23		SY/MD	Ok
16	O5107-23	1047	VY016155.D	31 Oct 2023 18:47		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY016156.D	31 Oct 2023 19:32		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016242.D	07 Nov 2023 08:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016243.D	07 Nov 2023 08:35		SY/MD	Ok,M
3	VY1107SBL01	VY1107SBL01	VY016244.D	07 Nov 2023 09:31		SY/MD	Ok
4	VY1107SBS01	VY1107SBS01	VY016245.D	07 Nov 2023 10:08		SY/MD	Ok,M
5	VY1107SBSD01	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31		SY/MD	Ok,M
6	O5252-03	WASTE-VOC	VY016247.D	07 Nov 2023 11:34	Vial-B	SY/MD	Ok
7	BLK	BLK	VY016248.D	07 Nov 2023 12:45		SY/MD	Ok
8	O5292-03	CORONA	VY016249.D	07 Nov 2023 16:41	Vial-A Internal standard fail	SY/MD	ReRun
9	O5291-03	QUEEN-PLAZA	VY016250.D	07 Nov 2023 17:04	Vial-A	SY/MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VY016251.D	07 Nov 2023 17:27		SY/MD	Ok,M

M : Manual Integration

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284 Sheffield Street, Mountainside, New Jersey - 07092

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LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-03	**WASTE-VOC**	**SOIL**			**11/03/23**			**11/03/23**
			VOC-TCLVOA-10	8260D			11/07/23	