

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013344.D
 Acq On : 19 Apr 2023 14:45
 Operator : KP/MD
 Sample : 02371-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-21-8.5-9.0

Quant Time: Apr 20 06:56:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	21	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	191	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	71	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	50	50.000	ug/l	# 0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	29	114.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 229.820%#	
35) Dibromofluoromethane	7.734	113	79	63.889	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.780%	
50) Toluene-d8	10.185	98	107	23.248	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 46.500%#	
62) 4-Bromofluorobenzene	12.441	95	40	26.748	ug/l	-0.04
Spiked Amount	50.000	Range	25 - 144	Recovery	= 53.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.948	85	32	169.310	ug/l	# 41
3) Chloromethane	2.211	50	65	274.509	ug/l	# 42
6) Chloroethane	2.759	64	174	1149.271	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	3.893	101	22	107.144	ug/l	# 18
13) Acrolein	3.771	56	37	1193.457	ug/l	# 14
14) Allyl chloride	4.491	41	20	52.983	ug/l	# 25
15) Acrylonitrile	5.289	53	20	274.161	ug/l	# 1
16) Acetone	4.058	43	23	265.061	ug/l	# 44
18) Methyl Acetate	4.552	43	46	163.910	ug/l	# 54
19) Methyl tert-butyl Ether	5.137	73	60	101.360	ug/l	# 53
21) trans-1,2-Dichloroethene	5.314	96	70	310.316	ug/l	# 1
22) Diisopropyl ether	6.015	45	33	44.359	ug/l	# 36
25) 2-Butanone	6.954	43	33	297.020	ug/l	# 49
26) 2,2-Dichloropropane	6.716	77	21	56.327	ug/l	# 52
31) Cyclohexane	7.850	56	43	112.684	ug/l	# 19
37) Ethyl Acetate	7.124	43	43	28.477	ug/l	# 36
41) Methacrylonitrile	7.472	41	27	43.100	ug/l	# 100
42) 1,2-Dichloroethane	8.295	62	44	23.936	ug/l	# 74
43) Isopropyl Acetate	8.301	43	20	7.974	ug/l	# 1
48) Methyl methacrylate	9.301	41	81	70.309	ug/l	# 37
51) 4-Methyl-2-Pentanone	9.978	43	50	36.631	ug/l	# 38
57) 1,3-Dichloropropane	10.794	76	64	33.697	ug/l	# 42
59) 2-Hexanone	11.014	43	22	22.166	ug/l	# 26
61) 1,2-Dibromoethane	11.264	107	19	17.473	ug/l	# 3
67) Ethyl Benzene	11.380	91	46	17.783	ug/l	# 43
74) N-amyl acetate	12.197	43	72	58.843	ug/l	# 33
76) 1,2,3-Trichloropropane	12.544	75	25	40.126	ug/l	# 100
77) Bromobenzene	12.392	156	12131	14144.354	ug/l	# 1
78) n-propylbenzene	12.611	91	59	13.929	ug/l	# 52
79) 2-Chlorotoluene	12.794	91	20	8.388	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.861	105	19	6.614	ug/l	# 28
81) trans-1,4-Dichloro-2-b...	12.367	75	429	1429.103	ug/l	# 24
82) 4-Chlorotoluene	12.910	91	256	101.845	ug/l	# 39
84) 1,2,4-Trimethylbenzene	13.129	105	54	19.314	ug/l	# 30
85) sec-Butylbenzene	13.129	105	54	14.649	ug/l	# 56
89) n-Butylbenzene	13.672	91	82	28.343	ug/l	# 33

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.818	117	53	84.032	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.160	75	19	123.490	ug/l #	1
95) Naphthalene	15.227	128	132	59.552	ug/l #	47

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

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