

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
 Data File : VD071441.D
 Acq On : 23 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5044-02
 Misc : 5.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DA-2-4.5

Quant Time: Dec 24 03:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	1710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	2886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	3064	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.508	65	125202	5513.009	ug/l	0.18
Spiked Amount	50.000	Range	50 - 163	Recovery	= 11026.020%#	
35) Dibromofluoromethane	7.914	113	315	16.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 32.480%#	
50) Toluene-d8	10.243	98	421	5.744	ug/l	-0.09
Spiked Amount	50.000	Range	49 - 140	Recovery	= 11.480%#	
62) 4-Bromofluorobenzene	12.567	95	34138	1310.653	ug/l	-0.06
Spiked Amount	50.000	Range	25 - 144	Recovery	= 2621.300%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	484	27.012	ug/l	# 1
3) Chloromethane	2.220	50	1237	53.915	ug/l	# 88
4) Vinyl Chloride	2.350	62	606	22.041	ug/l	# 59
5) Bromomethane	2.785	94	807	41.956	ug/l	# 68
6) Chloroethane	2.932	64	660	36.171	ug/l	# 39
7) Trichlorofluoromethane	3.285	101	1018	30.244	ug/l	# 56
8) Diethyl Ether	3.703	74	68	7.057	ug/l	# 86
9) 1,1,2-Trichlorotrifluo...	4.097	101	138	7.047	ug/l	# 1
10) Methyl Iodide	4.326	142	204	10.712	ug/l	# 73
11) Tert butyl alcohol	5.214	59	8108	Below Cal	#	94
12) 1,1-Dichloroethene	4.079	96	401	22.509	ug/l	# 84
13) Acrolein	4.144	56	37129	33844.156	ug/l	# 76
14) Allyl chloride	4.955	41	103394	3068.363	ug/l	# 71
15) Acrylonitrile	5.403	53	160	33.717	ug/l	# 19
16) Acetone	4.138	43	103487	18141.807	ug/l	# 49
17) Carbon Disulfide	4.403	76	1345	23.171	ug/l	# 73
18) Methyl Acetate	4.955	43	247660	14066.329	ug/l	# 51
19) Methyl tert-butyl Ether	5.473	73	1097	23.853	ug/l	# 1
20) Methylene Chloride	4.973	84	10965	578.376	ug/l	# 71
21) trans-1,2-Dichloroethene	5.467	96	485	23.504	ug/l	# 20
22) Diisopropyl ether	6.367	45	1508	21.983	ug/l	# 40
23) Vinyl Acetate	6.314	43	349	9.869	ug/l	# 72
24) 1,1-Dichloroethane	6.273	63	389	9.892	ug/l	# 82
25) 2-Butanone	7.208	43	103509	15191.566	ug/l	# 45
26) 2,2-Dichloropropane	7.208	77	621	19.218	ug/l	# 52
27) cis-1,2-Dichloroethene	7.214	96	467	20.461	ug/l	# 1
28) Bromochloromethane	7.714	49	215	13.341	ug/l	# 14
29) Tetrahydrofuran	7.567	42	2108	515.284	ug/l	# 34
30) Chloroform	7.732	83	3715	93.623	ug/l	# 1
31) Cyclohexane	7.979	56	29243	758.002	ug/l	# 92
32) 1,1,1-Trichloroethane	7.891	97	854	24.267	ug/l	# 30
36) 1,1-Dichloropropene	8.091	75	98	3.163	ug/l	# 1
37) Ethyl Acetate	7.208	43	103509	7235.253	ug/l	# 71
38) Carbon Tetrachloride	8.102	117	405	13.247	ug/l	# 47
39) Methylcyclohexane	9.320	83	41184	1135.341	ug/l	# 5
40) Benzene	8.344	78	1633	19.603	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
 Data File : VD071441.D
 Acq On : 23 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5044-02
 Misc : 5.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DA-2-4.5

Quant Time: Dec 24 03:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.732	41	101451	11938.901	ug/l #	40
42) 1,2-Dichloroethane	8.444	62	506	18.627	ug/l #	71
43) Isopropyl Acetate	8.508	43	5978872	210591.889	ug/l #	47
44) Trichloroethene	9.108	130	221	10.180	ug/l	1
45) 1,2-Dichloropropane	9.379	63	502	23.223	ug/l #	44
46) Dibromomethane	9.485	93	869	72.766	ug/l #	1
47) Bromodichloromethane	9.626	83	5356	176.646	ug/l #	85
48) Methyl methacrylate	9.485	41	864949	61565.704	ug/l #	35
51) 4-Methyl-2-Pentanone	10.267	43	749653	50188.654	ug/l #	73
52) Toluene	10.390	92	1432	27.061	ug/l #	15
53) t-1,3-Dichloropropene	10.608	75	226	7.982	ug/l #	44
54) cis-1,3-Dichloropropene	10.085	75	206	6.296	ug/l #	1
55) 1,1,2-Trichloroethane	10.773	97	138307	9123.923	ug/l #	23
56) Ethyl methacrylate	10.679	69	38607	1935.391	ug/l #	1
57) 1,3-Dichloropropane	10.938	76	376	13.542	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.908	63	63408	6635.848	ug/l #	49
59) 2-Hexanone	10.955	43	94906	8988.984	ug/l #	32
60) Dibromochloromethane	11.143	129	72	3.778	ug/l #	1
61) 1,2-Dibromoethane	11.214	107	6708	446.776	ug/l #	1
64) Tetrachloroethene	10.861	164	1168	54.856	ug/l #	46
65) Chlorobenzene	11.667	112	2035	32.379	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.732	131	57	2.483	ug/l #	37
67) Ethyl Benzene	11.749	91	12445	106.398	ug/l #	52
68) m/p-Xylenes	11.837	106	1021	22.976	ug/l #	1
69) o-Xylene	12.173	106	821	20.212	ug/l #	1
70) Styrene	12.190	104	1869	26.486	ug/l #	44
74) N-amyl acetate	12.249	43	162358	1751.698	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.702	83	21029	336.689	ug/l #	1
76) 1,2,3-Trichloropropane	12.773	75	304	5.710	ug/l #	1
77) Bromobenzene	12.743	156	720	9.366	ug/l #	1
78) n-propylbenzene	12.814	91	4481	10.348	ug/l	93
79) 2-Chlorotoluene	12.873	91	4399	18.178	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.949	105	3332	11.693	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.549	75	80	4.246	ug/l #	1
82) 4-Chlorotoluene	13.202	91	8285	33.006	ug/l	89
83) tert-Butylbenzene	13.208	119	2125	8.727	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.261	105	2804	9.943	ug/l	98
85) sec-Butylbenzene	13.390	105	3357	9.044	ug/l	94
86) p-Isopropyltoluene	13.508	119	3028	9.831	ug/l #	73
87) 1,3-Dichlorobenzene	13.508	146	1805	11.659	ug/l #	1
88) 1,4-Dichlorobenzene	13.584	146	1693	11.153	ug/l #	1
89) n-Butylbenzene	13.832	91	4622	15.289	ug/l #	82
90) Hexachloroethane	14.108	117	204	3.496	ug/l #	14
91) 1,2-Dichlorobenzene	13.884	146	1215	9.247	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.496	75	599	55.302	ug/l #	38
93) 1,2,4-Trichlorobenzene	15.155	180	2833	35.382	ug/l #	1
94) Hexachlorobutadiene	15.249	225	192	4.476	ug/l #	56
95) Naphthalene	15.355	128	22020	144.483	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.614	180	3098	44.734	ug/l #	13

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

