

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073430.D
 Acq On : 31 May 2022 17:41
 Operator : VA/SY
 Sample : N3107-03
 Misc : 4.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-6

Quant Time: Jun 01 01:38:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	404	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.856	114	1060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	1292	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	1260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.309	65	324	72.568	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.140%
35) Dibromofluoromethane	7.914	113	136	19.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.880%#
50) Toluene-d8	10.332	98	1261	48.907	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.620	95	803	88.743	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	177.480%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	558	138.225	ug/l	# 43
3) Chloromethane	2.215	50	377	82.589	ug/l	# 26
4) Vinyl Chloride	2.344	62	92	22.041	ug/l	# 43
5) Bromomethane	2.774	94	187	71.628	ug/l	90
6) Chloroethane	2.909	64	91	35.464	ug/l	# 42
7) Trichlorofluoromethane	3.274	101	389	52.705	ug/l	# 41
10) Methyl Iodide	4.303	142	66	13.891	ug/l	# 38
11) Tert butyl alcohol	5.226	59	834	1203.968	ug/l	# 74
14) Allyl chloride	4.709	41	180	27.466	ug/l	# 22
16) Acetone	4.156	43	2648	3424.090	ug/l	# 77
17) Carbon Disulfide	4.397	76	772	57.358	ug/l	# 74
18) Methyl Acetate	4.897	43	61	28.366	ug/l	# 55
19) Methyl tert-butyl Ether	5.515	73	86	9.298	ug/l	# 53
20) Methylene Chloride	4.956	84	7961	1759.475	ug/l	# 75
22) Diisopropyl ether	6.373	45	68	4.950	ug/l	# 35
23) Vinyl Acetate	6.303	43	154	21.015	ug/l	# 75
24) 1,1-Dichloroethane	6.267	63	131	14.855	ug/l	# 82
25) 2-Butanone	7.191	43	2898	2561.354	ug/l	99
26) 2,2-Dichloropropane	7.191	77	4032	536.142	ug/l	# 54
29) Tetrahydrofuran	7.562	42	81	110.716	ug/l	# 38
30) Chloroform	7.714	83	479	52.029	ug/l	# 17
31) Cyclohexane	7.985	56	1115	142.907	ug/l	# 79
32) 1,1,1-Trichloroethane	7.897	97	179	22.230	ug/l	# 22
36) 1,1-Dichloropropene	8.103	75	204	19.392	ug/l	# 43
37) Ethyl Acetate	7.273	43	238	57.277	ug/l	# 72
38) Carbon Tetrachloride	8.279	117	2995	280.862	ug/l	# 32
39) Methylcyclohexane	9.350	83	1908	162.746	ug/l	# 78
40) Benzene	8.350	78	1112	36.678	ug/l	# 51
41) Methacrylonitrile	7.544	41	80	33.045	ug/l	# 27
43) Isopropyl Acetate	8.438	43	127	16.536	ug/l	# 54
44) Trichloroethene	9.108	130	148	18.306	ug/l	1
47) Bromodichloromethane	9.632	83	96	8.947	ug/l	# 24
48) Methyl methacrylate	9.444	41	102	26.397	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.214	43	1514	379.539	ug/l	# 73
52) Toluene	10.391	92	413	21.557	ug/l	# 61
53) t-1,3-Dichloropropene	10.703	75	521	53.748	ug/l	# 44

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 1,1,2-Trichloroethane	10.726	97	255	44.969	ug/l #	15
56) Ethyl methacrylate	10.773	69	74	11.737	ug/l #	76
57) 1,3-Dichloropropane	11.073	76	524	55.072	ug/l #	42
59) 2-Hexanone	10.967	43	118	44.868	ug/l #	27
60) Dibromochloromethane	10.867	129	200	28.285	ug/l #	10
61) 1,2-Dibromoethane	11.297	107	68	12.549	ug/l #	3
64) Tetrachloroethene	10.867	164	63	7.445	ug/l #	34
65) Chlorobenzene	11.655	112	160	6.037	ug/l #	49
66) 1,1,1,2-Tetrachloroethane	11.455	131	275	27.976	ug/l #	8
67) Ethyl Benzene	11.732	91	1565	33.635	ug/l #	75
68) m/p-Xylenes	11.844	106	1078	59.634	ug/l	85
69) o-Xylene	12.173	106	136	8.190	ug/l #	1
70) Styrene	12.191	104	286	10.010	ug/l	95
73) Isopropylbenzene	12.473	105	768	8.550	ug/l #	66
74) N-amyl acetate	12.255	43	78	3.981	ug/l #	45
76) 1,2,3-Trichloropropane	12.608	75	348	28.149	ug/l #	100
77) Bromobenzene	12.749	156	114	5.391	ug/l	92
78) n-propylbenzene	12.808	91	1085	9.622	ug/l	83
79) 2-Chlorotoluene	12.991	91	724	11.120	ug/l	80
80) 1,3,5-Trimethylbenzene	12.944	105	834	10.961	ug/l #	45
81) trans-1,4-Dichloro-2-b...	12.608	75	348	67.577	ug/l #	7
82) 4-Chlorotoluene	12.991	91	724	10.609	ug/l	79
83) tert-Butylbenzene	12.938	119	153	2.386	ug/l	69
84) 1,2,4-Trimethylbenzene	13.261	105	1357	18.053	ug/l	80
85) sec-Butylbenzene	13.379	105	552	5.637	ug/l	85
86) p-Isopropyltoluene	13.491	119	574	7.191	ug/l #	50
87) 1,3-Dichlorobenzene	13.496	146	83	1.947	ug/l #	1
88) 1,4-Dichlorobenzene	13.567	146	567	13.179	ug/l #	63
89) n-Butylbenzene	13.814	91	289	3.800	ug/l #	1
90) Hexachloroethane	14.091	117	63	3.814	ug/l #	17
91) 1,2-Dichlorobenzene	13.873	146	253	6.861	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.143	180	156	7.451	ug/l #	53
95) Naphthalene	15.385	128	1649	40.701	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.567	180	288	15.517	ug/l #	31

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

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