

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072153.D
 Acq On : 11 Mar 2022 16:40
 Operator : VA/SY
 Sample : N1645-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 14 04:12:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 04:12:17 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	361364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	546926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211059	52.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.820%			
35) Dibromofluoromethane	7.914	113	205717	48.980	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.960%			
50) Toluene-d8	10.332	98	734819	47.848	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.700%			
62) 4-Bromofluorobenzene	12.626	95	269653	45.190	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	5670	1.696	ug/l	96
3) Chloromethane	2.209	50	5023	1.691	ug/l #	79
4) Vinyl Chloride	2.344	62	4481	1.563	ug/l	97
5) Bromomethane	2.779	94	3598	1.927	ug/l	93
6) Chloroethane	2.932	64	3507	1.850	ug/l	96
7) Trichlorofluoromethane	3.273	101	10476	1.618	ug/l	95
8) Diethyl Ether	3.714	74	3392	1.897	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.109	101	7278m	1.763	ug/l	
10) Methyl Iodide	4.303	142	5586	1.692	ug/l #	86
11) Tert butyl alcohol	5.226	59	2717m	11.636	ug/l	
12) 1,1-Dichloroethene	4.073	96	5093	1.533	ug/l #	74
13) Acrolein	3.920	56	2722	13.064	ug/l	87
14) Allyl chloride	4.720	41	8801	1.516	ug/l #	95
15) Acrylonitrile	5.432	53	8263	9.158	ug/l	95
16) Acetone	4.156	43	10607	12.131	ug/l	99
17) Carbon Disulfide	4.409	76	8832	1.304	ug/l #	94
18) Methyl Acetate	4.714	43	4910	2.291	ug/l #	75
19) Methyl tert-butyl Ether	5.485	73	14664	1.624	ug/l	95
20) Methylene Chloride	4.956	84	21689	4.127	ug/l #	75
21) trans-1,2-Dichloroethene	5.479	96	6281	1.710	ug/l	86
22) Diisopropyl ether	6.367	45	21173	1.599	ug/l #	91
23) Vinyl Acetate	6.303	43	52399	7.752	ug/l	96
24) 1,1-Dichloroethane	6.261	63	14070	1.801	ug/l	93
25) 2-Butanone	7.208	43	11298	9.691	ug/l	91
26) 2,2-Dichloropropane	7.208	77	12111	1.718	ug/l	85
27) cis-1,2-Dichloroethene	7.208	96	7984	1.702	ug/l	91
28) Bromochloromethane	7.544	49	6203	1.973	ug/l #	89
29) Tetrahydrofuran	7.561	42	5796	8.455	ug/l #	88
30) Chloroform	7.708	83	14944	1.796	ug/l #	74
31) Cyclohexane	7.979	56	15701	2.495	ug/l #	24
32) 1,1,1-Trichloroethane	7.902	97	12092	1.636	ug/l	93
36) 1,1-Dichloropropene	8.108	75	9265	1.572	ug/l	97
37) Ethyl Acetate	7.297	43	4223	1.636	ug/l #	81
38) Carbon Tetrachloride	8.091	117	10883	1.625	ug/l #	95
39) Methylcyclohexane	9.355	83	9314	1.405	ug/l	92
40) Benzene	8.350	78	26627	1.584	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	2709	1.801	ug/l	93
42) 1,2-Dichloroethane	8.420	62	9512	1.865	ug/l	95
43) Isopropyl Acetate	8.444	43	8389	1.675	ug/l #	89
44) Trichloroethene	9.114	130	7358	1.559	ug/l	93
45) 1,2-Dichloropropane	9.385	63	7513	1.630	ug/l	100
46) Dibromomethane	9.467	93	4514	1.991	ug/l	93
47) Bromodichloromethane	9.661	83	11658	1.763	ug/l #	96
48) Methyl methacrylate	9.455	41	4496	1.880	ug/l	95
49) 1,4-Dioxane	9.449	88	1212	44.570	ug/l #	69
51) 4-Methyl-2-Pentanone	10.220	43	20277	7.707	ug/l	97
52) Toluene	10.396	92	17595	1.591	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	10182	1.686	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	11856	1.698	ug/l #	81
55) 1,1,2-Trichloroethane	10.802	97	5831	1.688	ug/l #	80
56) Ethyl methacrylate	10.649	69	6287	1.554	ug/l #	94
57) 1,3-Dichloropropane	10.938	76	10959	1.890	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.932	63	12857	7.067	ug/l #	88
59) 2-Hexanone	10.979	43	14897	8.198	ug/l	98
60) Dibromochloromethane	11.132	129	7487	1.670	ug/l	94
61) 1,2-Dibromoethane	11.238	107	5495	1.760	ug/l	99
64) Tetrachloroethene	10.867	164	6565	1.704	ug/l	90
65) Chlorobenzene	11.667	112	20250	1.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	8821	1.840	ug/l	99
67) Ethyl Benzene	11.738	91	33474	1.546	ug/l	99
68) m/p-Xylenes	11.843	106	24739	3.008	ug/l	95
69) o-Xylene	12.173	106	11385	1.447	ug/l	99
70) Styrene	12.190	104	18450	1.343	ug/l	94
71) Bromoform	12.355	173	4641	1.812	ug/l #	100
73) Isopropylbenzene	12.467	105	30072	1.392	ug/l	96
74) N-amyl acetate	12.279	43	8287	1.785	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	7147	1.850	ug/l	92
76) 1,2,3-Trichloropropane	12.773	75	5919m	1.968	ug/l	
77) Bromobenzene	12.755	156	8748	1.799	ug/l	89
78) n-propylbenzene	12.808	91	39140	1.492	ug/l	96
79) 2-Chlorotoluene	12.896	91	24159	1.592	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	30968	1.669	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	1924m	1.587	ug/l	
82) 4-Chlorotoluene	12.996	91	25504	1.623	ug/l	96
83) tert-Butylbenzene	13.214	119	23217	1.427	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	28846	1.577	ug/l	98
85) sec-Butylbenzene	13.390	105	34942	1.430	ug/l	98
86) p-Isopropyltoluene	13.502	119	29389	1.462	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	17655	1.732	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	20024	1.981	ug/l	91
89) n-Butylbenzene	13.832	91	28909	1.508	ug/l	98
90) Hexachloroethane	14.096	117	6840	1.736	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	15486	1.743	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1183	1.918	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	10346	1.759	ug/l	94
94) Hexachlorobutadiene	15.249	225	5896	1.723	ug/l	97
95) Naphthalene	15.384	128	17005	1.677	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.573	180	8967	1.761	ug/l	95

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

