

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072882.D
 Acq On : 07 May 2022 07:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 09 01:21:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	340610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	632131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	596665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	267763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	230670	52.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%			
35) Dibromofluoromethane	7.908	113	214795	48.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.760%			
50) Toluene-d8	10.332	98	764239	47.990	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.980%			
62) 4-Bromofluorobenzene	12.620	95	286129	48.186	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	179627	38.164	ug/l	100
3) Chloromethane	2.209	50	216364	44.202	ug/l	96
4) Vinyl Chloride	2.344	62	197556	44.978	ug/l	96
5) Bromomethane	2.762	94	136124	50.397	ug/l	93
6) Chloroethane	2.920	64	130413	47.640	ug/l	96
7) Trichlorofluoromethane	3.267	101	330856	43.017	ug/l	98
8) Diethyl Ether	3.709	74	106187	48.157	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	188597	41.303	ug/l	99
10) Methyl Iodide	4.297	142	244932	53.449	ug/l	100
11) Tert butyl alcohol	5.209	59	81441	212.895	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	185759	45.229	ug/l	98
13) Acrolein	3.920	56	59188	220.969	ug/l	100
14) Allyl chloride	4.714	41	339753	51.238	ug/l	96
15) Acrylonitrile	5.420	53	243379	232.250	ug/l	97
16) Acetone	4.150	43	485866	607.021	ug/l	98
17) Carbon Disulfide	4.409	76	550500	42.628	ug/l	99
18) Methyl Acetate	4.714	43	116834	48.554	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	504117	51.200	ug/l	99
20) Methylene Chloride	4.961	84	245916	45.996	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	222403	47.216	ug/l	96
22) Diisopropyl ether	6.361	45	748343	51.303	ug/l	95
23) Vinyl Acetate	6.303	43	2000278	248.240	ug/l	95
24) 1,1-Dichloroethane	6.261	63	434485	49.578	ug/l	99
25) 2-Butanone	7.208	43	308364	239.366	ug/l	95
26) 2,2-Dichloropropane	7.203	77	317606	42.869	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	263722	48.883	ug/l	94
28) Bromochloromethane	7.544	49	177214	54.226	ug/l	89
29) Tetrahydrofuran	7.561	42	200915	244.679	ug/l	97
30) Chloroform	7.703	83	450309	48.562	ug/l	99
31) Cyclohexane	7.979	56	343145	44.397	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	388212	49.122	ug/l	96
36) 1,1-Dichloropropene	8.102	75	313182	43.384	ug/l	98
37) Ethyl Acetate	7.285	43	141075	42.512	ug/l #	96
38) Carbon Tetrachloride	8.091	117	309911	41.357	ug/l	99
39) Methylcyclohexane	9.349	83	354157	42.296	ug/l	97
40) Benzene	8.344	78	923021	44.277	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	85049	43.042	ug/l	94
42) 1,2-Dichloroethane	8.420	62	283848	45.184	ug/l	98
43) Isopropyl Acetate	8.444	43	292260	47.716	ug/l	99
44) Trichloroethene	9.108	130	237929	42.661	ug/l	99
45) 1,2-Dichloropropane	9.379	63	242845	44.357	ug/l	100
46) Dibromomethane	9.467	93	129008	42.718	ug/l	98
47) Bromodichloromethane	9.655	83	349291	44.960	ug/l	100
48) Methyl methacrylate	9.449	41	145360	48.511	ug/l	93
49) 1,4-Dioxane	9.455	88	26960	792.766	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	727329	228.521	ug/l	97
52) Toluene	10.397	92	819645	63.030	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	302788	42.431	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	362791	43.759	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	174077	42.639	ug/l	97
56) Ethyl methacrylate	10.649	69	224815	46.770	ug/l	94
57) 1,3-Dichloropropane	10.938	76	305633	43.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	554239	237.815	ug/l	98
59) 2-Hexanone	10.973	43	487923	227.827	ug/l	97
60) Dibromochloromethane	11.132	129	218142	42.445	ug/l	98
61) 1,2-Dibromoethane	11.238	107	169586	42.677	ug/l	99
64) Tetrachloroethene	10.867	164	178325	40.878	ug/l	98
65) Chlorobenzene	11.661	112	614248	44.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	236527	45.605	ug/l	98
67) Ethyl Benzene	11.732	91	1152617	48.260	ug/l	100
68) m/p-Xylenes	11.843	106	871882	94.770	ug/l	98
69) o-Xylene	12.167	106	423921	49.338	ug/l	98
70) Styrene	12.185	104	708653	47.603	ug/l	100
71) Bromoform	12.349	173	119181	42.400	ug/l #	98
73) Isopropylbenzene	12.467	105	1075367	51.619	ug/l	99
74) N-amyl acetate	12.279	43	267468	51.555	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	190784	45.367	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	142772m	47.818	ug/l	
77) Bromobenzene	12.749	156	237772	48.064	ug/l	98
78) n-propylbenzene	12.808	91	1309711	49.882	ug/l	100
79) 2-Chlorotoluene	12.896	91	768313	50.093	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	904324	51.194	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54346	41.857	ug/l	96
82) 4-Chlorotoluene	12.990	91	790088	49.302	ug/l	98
83) tert-Butylbenzene	13.208	119	786755	52.387	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	909003	51.481	ug/l	100
85) sec-Butylbenzene	13.390	105	1117946	49.355	ug/l	100
86) p-Isopropyltoluene	13.502	119	915689	49.307	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	460122	46.171	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	451212	45.465	ug/l	99
89) n-Butylbenzene	13.826	91	855681	47.564	ug/l	99
90) Hexachloroethane	14.096	117	178645	46.956	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	399239	45.967	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	30868	46.305	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	230155	44.745	ug/l	99
94) Hexachlorobutadiene	15.249	225	121912	43.399	ug/l	99
95) Naphthalene	15.379	128	476918	50.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	203621	44.657	ug/l	99

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

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