

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071813.D
 Acq On : 27 Jan 2022 20:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 07:23:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	374477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	656508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	622790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	300942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	252263	53.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.600%			
35) Dibromofluoromethane	7.914	113	221039	51.221	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.338	98	842746	52.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.626	95	289472	51.433	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	183458	41.313	ug/l	97
3) Chloromethane	2.209	50	273979	51.532	ug/l	94
4) Vinyl Chloride	2.350	62	264894	47.590	ug/l	98
5) Bromomethane	2.773	94	177404	48.305	ug/l	97
6) Chloroethane	2.926	64	182031	51.604	ug/l	96
7) Trichlorofluoromethane	3.273	101	363301	45.544	ug/l	94
8) Diethyl Ether	3.714	74	114530	54.414	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	212359	47.187	ug/l	99
10) Methyl Iodide	4.303	142	230709	50.006	ug/l	98
11) Tert butyl alcohol	5.226	59	65820	230.126	ug/l	100
12) 1,1-Dichloroethene	4.067	96	205990	50.069	ug/l	98
13) Acrolein	3.920	56	81236	193.234	ug/l	97
14) Allyl chloride	4.720	41	413698	52.753	ug/l	100
15) Acrylonitrile	5.420	53	278652	260.485	ug/l	99
16) Acetone	4.156	43	271268	209.365	ug/l	96
17) Carbon Disulfide	4.414	76	707047	49.287	ug/l	98
18) Methyl Acetate	4.720	43	125888	44.939	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	538732	54.737	ug/l	97
20) Methylene Chloride	4.961	84	265133	56.553	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	253260	52.878	ug/l	98
22) Diisopropyl ether	6.361	45	906470	58.976	ug/l	97
23) Vinyl Acetate	6.308	43	2386814	281.493	ug/l	99
24) 1,1-Dichloroethane	6.267	63	497886	55.575	ug/l	97
25) 2-Butanone	7.208	43	374801	248.137	ug/l	100
26) 2,2-Dichloropropane	7.208	77	367277	49.541	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	288564	56.096	ug/l	100
28) Bromochloromethane	7.550	49	175174	51.841	ug/l	100
29) Tetrahydrofuran	7.561	42	237132	265.331	ug/l	99
30) Chloroform	7.708	83	505234	55.201	ug/l	95
31) Cyclohexane	7.985	56	406684	45.006	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	413986	51.281	ug/l	98
36) 1,1-Dichloropropene	8.114	75	365133	49.297	ug/l	99
37) Ethyl Acetate	7.291	43	168985	49.072	ug/l	97
38) Carbon Tetrachloride	8.097	117	351183	47.945	ug/l	98
39) Methylcyclohexane	9.355	83	408984	47.655	ug/l	98
40) Benzene	8.350	78	1057022	52.868	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	107240	55.047	ug/l	97
42) 1,2-Dichloroethane	8.420	62	333122	52.765	ug/l	99
43) Isopropyl Acetate	8.450	43	320398	51.767	ug/l	99
44) Trichloroethene	9.108	130	263060	50.958	ug/l	98
45) 1,2-Dichloropropane	9.385	63	276743	53.681	ug/l	96
46) Dibromomethane	9.473	93	143132	53.025	ug/l	99
47) Bromodichloromethane	9.655	83	389354	54.540	ug/l	96
48) Methyl methacrylate	9.449	41	169021	51.601	ug/l	96
49) 1,4-Dioxane	9.455	88	30689	996.067	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	829313	256.050	ug/l	100
52) Toluene	10.396	92	673006	54.132	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	343438	52.379	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	404368	52.613	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	186769	52.134	ug/l	97
56) Ethyl methacrylate	10.655	69	235988	53.204	ug/l	99
57) 1,3-Dichloropropane	10.938	76	339110	53.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	477946	228.896	ug/l	100
59) 2-Hexanone	10.979	43	571545	243.128	ug/l	99
60) Dibromochloromethane	11.132	129	235570	53.249	ug/l	99
61) 1,2-Dibromoethane	11.238	107	176106	51.021	ug/l	96
64) Tetrachloroethene	10.873	164	219842	49.904	ug/l	94
65) Chlorobenzene	11.661	112	687646	52.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	255794	53.366	ug/l	98
67) Ethyl Benzene	11.738	91	1276489	52.652	ug/l	99
68) m/p-Xylenes	11.843	106	981873	106.478	ug/l	100
69) o-Xylene	12.173	106	464435	55.421	ug/l	97
70) Styrene	12.185	104	800062	55.389	ug/l	99
71) Bromoform	12.355	173	128887	50.362	ug/l #	99
73) Isopropylbenzene	12.473	105	1183890	50.803	ug/l	100
74) N-amyl acetate	12.279	43	294953	51.468	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	209073	48.482	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	168398m	53.096	ug/l	
77) Bromobenzene	12.755	156	269742	52.036	ug/l	96
78) n-propylbenzene	12.808	91	1490433	51.007	ug/l	100
79) 2-Chlorotoluene	12.896	91	870841	52.591	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1020987	52.822	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	60147	46.629	ug/l	100
82) 4-Chlorotoluene	12.996	91	903202	52.428	ug/l	99
83) tert-Butylbenzene	13.214	119	836205	52.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1023354	53.823	ug/l	98
85) sec-Butylbenzene	13.390	105	1263997	50.429	ug/l	100
86) p-Isopropyltoluene	13.508	119	1057725	51.931	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	541189	51.414	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	537766	51.190	ug/l	100
89) n-Butylbenzene	13.832	91	1008713	50.478	ug/l	100
90) Hexachloroethane	14.102	117	207890	51.349	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	467584	51.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	34037	47.658	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	274399	52.145	ug/l	100
94) Hexachlorobutadiene	15.249	225	139219	48.520	ug/l	99
95) Naphthalene	15.384	128	506106	48.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	235821	52.283	ug/l	99

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

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