

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072237.D
 Acq On : 17 Mar 2022 11:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/18/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 17 17:58:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	456817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	728313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	663775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	327986	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239679	47.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.160%
35) Dibromofluoromethane	7.914	113	239609	46.751	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.500%
50) Toluene-d8	10.338	98	885679	47.261	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.520%
62) 4-Bromofluorobenzene	12.620	95	326575	44.849	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	209208	49.514	ug/l	98
3) Chloromethane	2.209	50	213916	56.975	ug/l	100
4) Vinyl Chloride	2.350	62	213038	58.782	ug/l	99
5) Bromomethane	2.768	94	134367	56.935	ug/l	95
6) Chloroethane	2.920	64	138969	57.996	ug/l	99
7) Trichlorofluoromethane	3.273	101	422092	51.571	ug/l	98
8) Diethyl Ether	3.709	74	121675	53.827	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	267203	51.201	ug/l	96
10) Methyl Iodide	4.297	142	218806	46.941	ug/l	98
11) Tert butyl alcohol	5.214	59	73323	248.401	ug/l	98
12) 1,1-Dichloroethene	4.067	96	230269	54.846	ug/l	91
13) Acrolein	3.920	56	69560	264.090	ug/l	96
14) Allyl chloride	4.714	41	411839	56.104	ug/l	94
15) Acrylonitrile	5.414	53	293238	257.096	ug/l	98
16) Acetone	4.156	43	274737	248.552	ug/l	93
17) Carbon Disulfide	4.409	76	525694	53.575	ug/l	98
18) Methyl Acetate	4.714	43	130994	48.359	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	602662	52.812	ug/l	96
20) Methylene Chloride	4.962	84	290263	53.505	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	258414	55.648	ug/l	93
22) Diisopropyl ether	6.361	45	910147	54.359	ug/l	94
23) Vinyl Acetate	6.303	43	2415334	282.660	ug/l	97
24) 1,1-Dichloroethane	6.261	63	525167	53.184	ug/l	99
25) 2-Butanone	7.208	43	380847	258.415	ug/l	95
26) 2,2-Dichloropropane	7.203	77	460570	51.694	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	315002	53.132	ug/l	95
28) Bromochloromethane	7.550	49	207152	52.110	ug/l	85
29) Tetrahydrofuran	7.556	42	233450	269.385	ug/l	95
30) Chloroform	7.703	83	535831	50.936	ug/l	96
31) Cyclohexane	7.979	56	443297	55.734	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	476780	51.030	ug/l	98
36) 1,1-Dichloropropene	8.108	75	390268	54.280	ug/l	98
37) Ethyl Acetate	7.285	43	166983	53.019	ug/l #	97
38) Carbon Tetrachloride	8.097	117	415605	50.851	ug/l	99
39) Methylcyclohexane	9.350	83	458910	56.720	ug/l	99
40) Benzene	8.350	78	1101983	53.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	100082	54.519	ug/l	91
42) 1,2-Dichloroethane	8.420	62	317927	51.094	ug/l	96
43) Isopropyl Acetate	8.450	43	327712	53.609	ug/l #	96
44) Trichloroethene	9.108	130	299367	51.987	ug/l	99
45) 1,2-Dichloropropane	9.385	63	295203	52.476	ug/l	95
46) Dibromomethane	9.467	93	146462	52.927	ug/l	95
47) Bromodichloromethane	9.655	83	405575	50.275	ug/l	99
48) Methyl methacrylate	9.450	41	162816	55.780	ug/l	93
49) 1,4-Dioxane	9.455	88	34494	1039.487	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	852780	265.604	ug/l	96
52) Toluene	10.397	92	724203	53.655	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	385023	52.239	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	448943	52.691	ug/l	92
55) 1,1,2-Trichloroethane	10.797	97	213853	50.731	ug/l	98
56) Ethyl methacrylate	10.655	69	268777	54.436	ug/l	89
57) 1,3-Dichloropropane	10.944	76	367776	51.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	560139	252.310	ug/l	97
59) 2-Hexanone	10.979	43	606184	273.358	ug/l	95
60) Dibromochloromethane	11.132	129	265439	48.526	ug/l	99
61) 1,2-Dibromoethane	11.238	107	194348	51.021	ug/l	98
64) Tetrachloroethene	10.873	164	246873	52.787	ug/l	95
65) Chlorobenzene	11.661	112	772000	52.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	290338	49.893	ug/l	99
67) Ethyl Benzene	11.738	91	1404370	53.433	ug/l	98
68) m/p-Xylenes	11.849	106	1073973	107.612	ug/l	100
69) o-Xylene	12.173	106	509155	53.337	ug/l	97
70) Styrene	12.185	104	883516	53.002	ug/l	97
71) Bromoform	12.349	173	154845	49.814	ug/l #	99
73) Isopropylbenzene	12.473	105	1417547	54.539	ug/l	99
74) N-amyl acetate	12.279	43	312090	55.875	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	234251	50.393	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	188718m	52.161	ug/l	
77) Bromobenzene	12.749	156	306680	52.424	ug/l	92
78) n-propylbenzene	12.814	91	1724600	54.627	ug/l	99
79) 2-Chlorotoluene	12.896	91	975852	53.456	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1175350	52.638	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	73807	50.615	ug/l	93
82) 4-Chlorotoluene	12.996	91	1004145	53.124	ug/l	99
83) tert-Butylbenzene	13.214	119	1031203	52.676	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1154798	52.488	ug/l	99
85) sec-Butylbenzene	13.390	105	1558341	53.008	ug/l	99
86) p-Isopropyltoluene	13.508	119	1294978	53.531	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	624890	50.968	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	619512	50.957	ug/l	99
89) n-Butylbenzene	13.832	91	1239563	53.758	ug/l	99
90) Hexachloroethane	14.102	117	244117	51.487	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	539846	50.503	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	36752	49.540	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	348765	49.281	ug/l	99
94) Hexachlorobutadiene	15.249	225	199501	48.462	ug/l	99
95) Naphthalene	15.384	128	622914	51.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	299294	48.858	ug/l	99

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

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