

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069943.D
 Acq On : 02 Aug 2021 09:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:49:58 PM

Quant Time: Aug 03 02:52:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	602260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1011298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	962600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	449976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	323634	46.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.440%			
35) Dibromofluoromethane	7.914	113	333779	52.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.720%			
50) Toluene-d8	10.338	98	1309346	53.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.626	95	441349	53.721	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	283174	44.671	ug/l	99
3) Chloromethane	2.209	50	397598	43.238	ug/l	100
4) Vinyl Chloride	2.350	62	445766	46.089	ug/l	99
5) Bromomethane	2.767	94	301275	52.912	ug/l	98
6) Chloroethane	2.920	64	297107	47.394	ug/l	99
7) Trichlorofluoromethane	3.273	101	583767	48.893	ug/l	99
8) Diethyl Ether	3.709	74	155050	46.168	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	376445	49.643	ug/l	99
10) Methyl Iodide	4.303	142	362045	48.471	ug/l	99
11) Tert butyl alcohol	5.214	59	74002	206.473	ug/l	99
12) 1,1-Dichloroethene	4.067	96	335310	48.661	ug/l	98
13) Acrolein	3.920	56	109164	217.581	ug/l	100
14) Allyl chloride	4.714	41	504448	49.932	ug/l	98
15) Acrylonitrile	5.420	53	380302	240.720	ug/l	99
16) Acetone	4.156	43	375508	300.106	ug/l	95
17) Carbon Disulfide	4.409	76	1157945	46.998	ug/l	100
18) Methyl Acetate	4.720	43	164459	45.299	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	708258	49.608	ug/l	98
20) Methylene Chloride	4.961	84	457640	50.569	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	406247	50.033	ug/l	97
22) Diisopropyl ether	6.361	45	1134156	51.662	ug/l	97
23) Vinyl Acetate	6.303	43	2776531	231.550	ug/l	99
24) 1,1-Dichloroethane	6.261	63	734591	48.446	ug/l	100
25) 2-Butanone	7.208	43	442977	261.059	ug/l	97
26) 2,2-Dichloropropane	7.208	77	619661	53.744	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	428409	49.446	ug/l	99
28) Bromochloromethane	7.544	49	273477	47.503	ug/l	99
29) Tetrahydrofuran	7.561	42	274293	249.855	ug/l	98
30) Chloroform	7.708	83	741694	48.651	ug/l	98
31) Cyclohexane	7.985	56	673490	49.764	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	641907	50.869	ug/l	100
36) 1,1-Dichloropropene	8.108	75	576337	52.809	ug/l	99
37) Ethyl Acetate	7.291	43	201570	50.734	ug/l	99
38) Carbon Tetrachloride	8.097	117	547511	54.922	ug/l	98
39) Methylcyclohexane	9.355	83	696084	55.691	ug/l	99
40) Benzene	8.349	78	1660707	52.525	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	118778	56.968	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	418582	50.059	ug/l	98
43) Isopropyl Acetate	8.449	43	362541	50.878	ug/l	99
44) Trichloroethene	9.108	130	391816	50.321	ug/l	97
45) 1,2-Dichloropropane	9.385	63	431878	52.002	ug/l	99
46) Dibromomethane	9.473	93	210208	51.492	ug/l	97
47) Bromodichloromethane	9.655	83	542952	51.192	ug/l	97
48) Methyl methacrylate	9.455	41	185925	49.060	ug/l	99
49) 1,4-Dioxane	9.461	88	43840	1016.463	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	1003880	270.734	ug/l	100
52) Toluene	10.402	92	1042756	54.368	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	485550	54.539	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	584057	54.188	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	295215	51.199	ug/l	98
56) Ethyl methacrylate	10.655	69	344555	48.461	ug/l	96
57) 1,3-Dichloropropane	10.943	76	514374	52.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	772856	246.771	ug/l	99
59) 2-Hexanone	10.979	43	730443	297.815	ug/l	98
60) Dibromochloromethane	11.138	129	343661	52.627	ug/l	99
61) 1,2-Dibromoethane	11.243	107	266081	51.254	ug/l	100
64) Tetrachloroethene	10.873	164	317531	51.748	ug/l	97
65) Chlorobenzene	11.667	112	1047512	52.525	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	369378	51.487	ug/l	98
67) Ethyl Benzene	11.743	91	1935750	55.132	ug/l	100
68) m/p-Xylenes	11.849	106	1532225	112.572	ug/l	100
69) o-Xylene	12.179	106	676203	54.647	ug/l	98
70) Styrene	12.190	104	1220206	56.901	ug/l	99
71) Bromoform	12.355	173	178407	51.206	ug/l #	99
73) Isopropylbenzene	12.473	105	1849178	57.195	ug/l	100
74) N-amyl acetate	12.285	43	357015	53.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	331982	51.416	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	240615m	50.307	ug/l	
77) Bromobenzene	12.755	156	377359	51.822	ug/l	99
78) n-propylbenzene	12.814	91	2412518	58.097	ug/l	99
79) 2-Chlorotoluene	12.902	91	1311276	54.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1580229	57.136	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	95012	60.265	ug/l	98
82) 4-Chlorotoluene	12.996	91	1394359	55.295	ug/l	100
83) tert-Butylbenzene	13.214	119	1317695	58.600	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	1555282	57.002	ug/l	99
85) sec-Butylbenzene	13.396	105	2063656	58.052	ug/l	100
86) p-Isopropyltoluene	13.508	119	1685611	58.366	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	812298	53.132	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	787728	51.695	ug/l	100
89) n-Butylbenzene	13.837	91	1661488	58.294	ug/l	99
90) Hexachloroethane	14.102	117	331313	54.157	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	685927	51.983	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	44887	48.279	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	381819	53.632	ug/l	99
94) Hexachlorobutadiene	15.255	225	238288	54.716	ug/l	99
95) Naphthalene	15.390	128	681274	46.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	329163	53.464	ug/l	99

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

