

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069490.D
 Acq On : 17 Jun 2021 20:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2021 2:22:24 PM

Quant Time: Jun 18 01:29:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	317479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	568346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	274088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	211297	58.994	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.980%			
35) Dibromofluoromethane	7.914	113	208088	48.882	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.760%			
50) Toluene-d8	10.338	98	818143	52.548	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.626	95	253561	50.756	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	147886	46.755	ug/l	99
3) Chloromethane	2.209	50	166858	52.736	ug/l	99
4) Vinyl Chloride	2.350	62	205995	53.829	ug/l	99
5) Bromomethane	2.762	94	160495	55.427	ug/l	89
6) Chloroethane	2.920	64	144591	54.918	ug/l	99
7) Trichlorofluoromethane	3.273	101	312897	49.989	ug/l	96
8) Diethyl Ether	3.715	74	98026	62.380	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	190837	51.270	ug/l	98
10) Methyl Iodide	4.297	142	169471	44.509	ug/l	98
11) Tert butyl alcohol	5.226	59	66000	354.444	ug/l	99
12) 1,1-Dichloroethene	4.067	96	178483	53.008	ug/l	95
13) Acrolein	3.920	56	77814	335.210	ug/l	95
14) Allyl chloride	4.709	41	231000	58.331	ug/l	98
15) Acrylonitrile	5.420	53	206488	341.996	ug/l	99
16) Acetone	4.156	43	161942	273.159	ug/l	100
17) Carbon Disulfide	4.409	76	581140	53.357	ug/l	99
18) Methyl Acetate	4.720	43	98374	69.223	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	415025	67.605	ug/l	96
20) Methylene Chloride	4.962	84	285248	68.288	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	231495	58.721	ug/l	97
22) Diisopropyl ether	6.367	45	525626	66.756	ug/l	95
23) Vinyl Acetate	6.303	43	1581225	307.912	ug/l	100
24) 1,1-Dichloroethane	6.261	63	385470	58.807	ug/l	99
25) 2-Butanone	7.214	43	242666	328.260	ug/l	96
26) 2,2-Dichloropropane	7.208	77	291782	50.522	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	281551	65.980	ug/l	96
28) Bromochloromethane	7.544	49	161710	67.343	ug/l	99
29) Tetrahydrofuran	7.561	42	153974	370.114	ug/l	100
30) Chloroform	7.708	83	397881	54.479	ug/l	99
31) Cyclohexane	7.985	56	232876	47.848	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	323324	50.394	ug/l	98
36) 1,1-Dichloropropene	8.108	75	268066	45.295	ug/l	99
37) Ethyl Acetate	7.291	43	123306	62.277	ug/l #	95
38) Carbon Tetrachloride	8.097	117	280403	43.739	ug/l	93
39) Methylcyclohexane	9.355	83	264241	44.390	ug/l	96
40) Benzene	8.350	78	867705	50.376	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	56772	57.635	ug/l	93
42) 1,2-Dichloroethane	8.426	62	259211	54.844	ug/l	99
43) Isopropyl Acetate	8.450	43	223616	59.729	ug/l	100
44) Trichloroethene	9.114	130	237375	49.415	ug/l	95
45) 1,2-Dichloropropane	9.385	63	220665	52.480	ug/l	97
46) Dibromomethane	9.473	93	125790	52.211	ug/l	97
47) Bromodichloromethane	9.661	83	309093	49.761	ug/l	97
48) Methyl methacrylate	9.450	41	101114	59.388	ug/l	95
49) 1,4-Dioxane	9.461	88	26023	1109.159	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	592280	310.074	ug/l	99
52) Toluene	10.402	92	587164	53.686	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	296970	55.816	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	304215	47.565	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	193714	58.168	ug/l	98
56) Ethyl methacrylate	10.661	69	215906	56.391	ug/l	97
57) 1,3-Dichloropropane	10.944	76	316439	58.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	529568	275.323	ug/l	98
59) 2-Hexanone	10.979	43	427195	335.047	ug/l	98
60) Dibromochloromethane	11.138	129	237548	55.969	ug/l	98
61) 1,2-Dibromoethane	11.244	107	182672	57.103	ug/l	98
64) Tetrachloroethene	10.873	164	207393	50.096	ug/l	96
65) Chlorobenzene	11.667	112	607604	51.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	245099	54.236	ug/l	99
67) Ethyl Benzene	11.743	91	1091332	55.270	ug/l	98
68) m/p-Xylenes	11.849	106	806970	102.886	ug/l	98
69) o-Xylene	12.173	106	378205	54.496	ug/l	99
70) Styrene	12.191	104	672692	55.088	ug/l	99
71) Bromoform	12.355	173	122628	52.414	ug/l #	98
73) Isopropylbenzene	12.473	105	961420	49.892	ug/l	99
74) N-amyl acetate	12.285	43	196905	56.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	202932	54.851	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	138557m	49.862	ug/l	
77) Bromobenzene	12.749	156	203833	42.189	ug/l	96
78) n-propylbenzene	12.814	91	1012295	42.807	ug/l	98
79) 2-Chlorotoluene	12.902	91	635528	47.278	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	782890	48.193	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	55772	53.543	ug/l	91
82) 4-Chlorotoluene	12.996	91	672192	46.986	ug/l	99
83) tert-Butylbenzene	13.220	119	642572	46.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	893496	55.014	ug/l	100
85) sec-Butylbenzene	13.390	105	966289	47.529	ug/l	99
86) p-Isopropyltoluene	13.502	119	892840	50.551	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	489920	50.633	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	481340	49.941	ug/l	98
89) n-Butylbenzene	13.832	91	799966	48.688	ug/l	99
90) Hexachloroethane	14.102	117	173620	50.502	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	427597	50.653	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	33046	59.310	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	248102	50.510	ug/l	99
94) Hexachlorobutadiene	15.255	225	135091	43.983	ug/l	99
95) Naphthalene	15.390	128	433166	45.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	228546	53.591	ug/l	99

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

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