

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069578.D
 Acq On : 25 Jun 2021 21:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2021 11:57:32 AM

Quant Time: Jun 26 03:42:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	581866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1058396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1010148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	480805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	362347	49.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.920%		
35) Dibromofluoromethane	7.914	113	343752	48.047	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.100%		
50) Toluene-d8	10.338	98	1309869	48.810	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.626	95	445693	50.517	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	258807	46.372	ug/l	94
3) Chloromethane	2.209	50	405209	49.635	ug/l	99
4) Vinyl Chloride	2.350	62	432054	47.476	ug/l	98
5) Bromomethane	2.768	94	278776	51.191	ug/l	99
6) Chloroethane	2.921	64	293320	48.388	ug/l	100
7) Trichlorofluoromethane	3.273	101	537242	49.711	ug/l	95
8) Diethyl Ether	3.709	74	168147	58.817	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	325715	49.275	ug/l	96
10) Methyl Iodide	4.303	142	294245	48.430	ug/l	99
11) Tert butyl alcohol	5.226	59	84534	217.571	ug/l #	82
12) 1,1-Dichloroethene	4.068	96	300607	52.318	ug/l	99
13) Acrolein	3.921	56	90443	224.039	ug/l	99
14) Allyl chloride	4.715	41	471418	58.523	ug/l	94
15) Acrylonitrile	5.420	53	371386	309.470	ug/l	98
16) Acetone	4.156	43	347585	284.726	ug/l	96
17) Carbon Disulfide	4.409	76	997684	52.739	ug/l	100
18) Methyl Acetate	4.720	43	190515	63.613	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	666878	59.056	ug/l	98
20) Methylene Chloride	4.968	84	497709	66.098	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	379366	54.724	ug/l	97
22) Diisopropyl ether	6.362	45	1033603	63.678	ug/l	99
23) Vinyl Acetate	6.303	43	2830467	272.353	ug/l	100
24) 1,1-Dichloroethane	6.262	63	720971	56.077	ug/l	99
25) 2-Butanone	7.214	43	472749	304.750	ug/l	97
26) 2,2-Dichloropropane	7.209	77	532774	50.689	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	434436	57.676	ug/l	98
28) Bromochloromethane	7.544	49	284298	56.458	ug/l	99
29) Tetrahydrofuran	7.561	42	271449	319.173	ug/l	98
30) Chloroform	7.709	83	764397	56.244	ug/l	97
31) Cyclohexane	7.985	56	485687	49.735	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	600317	53.601	ug/l	99
36) 1,1-Dichloropropene	8.114	75	529283	50.954	ug/l	99
37) Ethyl Acetate	7.291	43	221665	57.505	ug/l	99
38) Carbon Tetrachloride	8.091	117	506003	49.220	ug/l	99
39) Methylcyclohexane	9.356	83	514047	50.167	ug/l	99
40) Benzene	8.350	78	1622538	54.182	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	124620	55.555	ug/l	93
42) 1,2-Dichloroethane	8.420	62	475128	54.611	ug/l	100
43) Isopropyl Acetate	8.450	43	395241	56.441	ug/l	99
44) Trichloroethene	9.114	130	393354	52.055	ug/l	98
45) 1,2-Dichloropropane	9.385	63	431465	56.128	ug/l	93
46) Dibromomethane	9.473	93	219688	54.567	ug/l	98
47) Bromodichloromethane	9.661	83	586282	54.230	ug/l	98
48) Methyl methacrylate	9.456	41	189584	56.989	ug/l	97
49) 1,4-Dioxane	9.461	88	44213	1114.818	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	1103380	299.625	ug/l	100
52) Toluene	10.403	92	1025105	55.475	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	508592	54.410	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	604069	53.741	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	306632	53.935	ug/l	98
56) Ethyl methacrylate	10.661	69	355228	52.986	ug/l	96
57) 1,3-Dichloropropane	10.944	76	540366	56.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	945977	269.615	ug/l	99
59) 2-Hexanone	10.979	43	750986	302.204	ug/l	100
60) Dibromochloromethane	11.138	129	368774	55.034	ug/l	99
61) 1,2-Dibromoethane	11.244	107	287381	54.823	ug/l	99
64) Tetrachloroethene	10.873	164	344558	54.316	ug/l	97
65) Chlorobenzene	11.667	112	1051374	52.331	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	389383	53.309	ug/l	99
67) Ethyl Benzene	11.744	91	1902333	54.204	ug/l	100
68) m/p-Xylenes	11.850	106	1452361	109.907	ug/l	100
69) o-Xylene	12.173	106	656320	55.407	ug/l	97
70) Styrene	12.191	104	1208668	57.928	ug/l	99
71) Bromoform	12.355	173	194268	52.482	ug/l #	99
73) Isopropylbenzene	12.473	105	1745237	52.683	ug/l	99
74) N-amyl acetate	12.285	43	376322	55.952	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	343591	51.638	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	254533m	53.930	ug/l	
77) Bromobenzene	12.755	156	394706	52.470	ug/l	95
78) n-propylbenzene	12.814	91	2221061	53.418	ug/l	99
79) 2-Chlorotoluene	12.902	91	1286708	54.169	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	1520553	54.543	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	95033	50.275	ug/l	98
82) 4-Chlorotoluene	12.997	91	1355382	53.221	ug/l	100
83) tert-Butylbenzene	13.214	119	1246911	49.944	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1525751	55.054	ug/l	99
85) sec-Butylbenzene	13.391	105	1808905	52.042	ug/l	100
86) p-Isopropyltoluene	13.508	119	1558546	53.270	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	789452	51.242	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	790799	51.522	ug/l	100
89) n-Butylbenzene	13.832	91	1510044	51.738	ug/l	99
90) Hexachloroethane	14.102	117	288138	50.381	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	696854	52.286	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	53612	53.103	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	399239	53.699	ug/l	100
94) Hexachlorobutadiene	15.255	225	223428	47.896	ug/l	99
95) Naphthalene	15.390	128	741101	49.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	358805	54.752	ug/l	99

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

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