

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
 Data File : VD068253.D
 Acq On : 03 Feb 2021 10:38
 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

MMDadoda
 2/4/2021 10:35:20 AM

Quant Time: Feb 03 23:38:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	375529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	640939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	565013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	258485	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144678	40.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.54%		
35) Dibromofluoromethane	7.920	113	155796	43.97	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.94%		
50) Toluene-d8	10.344	98	571275	40.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.60%		
62) 4-Bromofluorobenzene	12.632	95	207572	40.67	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.34%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	189510	42.48	ug/l	99
3) Chloromethane	2.209	50	215444	44.85	ug/l	100
4) Vinyl Chloride	2.350	62	261630	48.96	ug/l	99
5) Bromomethane	2.773	94	171402	46.78	ug/l	97
6) Chloroethane	2.926	64	160240	49.09	ug/l	99
7) Trichlorofluoromethane	3.279	101	313141	44.65	ug/l	96
8) Diethyl Ether	3.709	74	92900	44.99	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	193770	47.37	ug/l	94
10) Methyl Iodide	4.303	142	199874	43.97	ug/l	93
11) Tert butyl alcohol	5.220	59	56498	148.85	ug/l	96
12) 1,1-Dichloroethene	4.073	96	190218	46.23	ug/l	93
13) Acrolein	3.926	56	64561	228.06	ug/l	99
14) Allyl chloride	4.715	41	270167	45.15	ug/l	96
15) Acrylonitrile	5.426	53	193968	237.12	ug/l	100
16) Acetone	4.162	43	182526	284.56	ug/l	99
17) Carbon Disulfide	4.415	76	579949	43.77	ug/l	100
18) Methyl Acetate	4.720	43	82423	49.51	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	426523	44.84	ug/l	96
20) Methylene Chloride	4.968	84	213356	47.45	ug/l #	88
21) trans-1,2-Dichloroethene	5.479	96	213446	45.19	ug/l	95
22) Diisopropyl ether	6.362	45	555337	45.99	ug/l	94
23) Vinyl Acetate	6.309	43	1484335	230.60	ug/l	97
24) 1,1-Dichloroethane	6.267	63	368125	47.05	ug/l	99
25) 2-Butanone	7.209	43	219900	227.68	ug/l	96
26) 2,2-Dichloropropane	7.209	77	336925	45.51	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	238680	46.54	ug/l	92
28) Bromochloromethane	7.550	49	122196	45.84	ug/l #	76
29) Tetrahydrofuran	7.561	42	142990	228.39	ug/l	92
30) Chloroform	7.714	83	367138	46.44	ug/l	97
31) Cyclohexane	7.985	56	341185	43.86	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	326457	45.82	ug/l	96
36) 1,1-Dichloropropene	8.114	75	300936	46.56	ug/l	97
37) Ethyl Acetate	7.297	43	102295	44.74	ug/l	94
38) Carbon Tetrachloride	8.103	117	282579	46.71	ug/l	95
39) Methylcyclohexane	9.355	83	386612	45.75	ug/l	98
40) Benzene	8.350	78	845867	46.81	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	60919m	44.15	ug/l	
42) 1,2-Dichloroethane	8.426	62	219973	45.55	ug/l	99
43) Isopropyl Acetate	8.450	43	204335	42.89	ug/l	98
44) Trichloroethene	9.114	130	228427	46.03	ug/l	98
45) 1,2-Dichloropropane	9.391	63	208117	47.03	ug/l	97
46) Dibromomethane	9.479	93	104556	46.63	ug/l	93
47) Bromodichloromethane	9.661	83	279795	46.24	ug/l	97
48) Methyl methacrylate	9.456	41	105824	44.62	ug/l	96
49) 1,4-Dioxane	9.461	88	23348	888.48	ug/l #	88
51) 4-Methyl-2-Pentanone	10.232	43	506436	228.66	ug/l	97
52) Toluene	10.408	92	548982	46.62	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	277594	45.33	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	330068	45.28	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	149956	47.19	ug/l	95
56) Ethyl methacrylate	10.661	69	184010	43.47	ug/l	92
57) 1,3-Dichloropropane	10.950	76	259487	46.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	493641	252.69	ug/l	91
59) 2-Hexanone	10.985	43	361475	235.45	ug/l	97
60) Dibromochloromethane	11.144	129	179222	44.98	ug/l	100
61) 1,2-Dibromoethane	11.250	107	141221	45.04	ug/l	100
64) Tetrachloroethene	10.879	164	182294	45.78	ug/l	97
65) Chlorobenzene	11.673	112	559963	46.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	192066	45.48	ug/l	98
67) Ethyl Benzene	11.744	91	1045676	47.04	ug/l	97
68) m/p-Xylenes	11.855	106	776393	92.52	ug/l	97
69) o-Xylene	12.185	106	362052	46.45	ug/l	97
70) Styrene	12.197	104	617671	46.43	ug/l	99
71) Bromoform	12.361	173	97743	45.67	ug/l #	98
73) Isopropylbenzene	12.479	105	993978	46.21	ug/l	99
74) N-amyl acetate	12.291	43	194257	43.45	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	156558	45.76	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	122480m	49.01	ug/l	
77) Bromobenzene	12.761	156	211128	45.79	ug/l	89
78) n-propylbenzene	12.820	91	1187172	46.65	ug/l	97
79) 2-Chlorotoluene	12.908	91	648843	45.41	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	808156	45.11	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	55880	45.24	ug/l	91
82) 4-Chlorotoluene	13.008	91	675947	45.50	ug/l	97
83) tert-Butylbenzene	13.226	119	694475	45.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	796167	44.78	ug/l	99
85) sec-Butylbenzene	13.402	105	993718	46.80	ug/l	98
86) p-Isopropyltoluene	13.514	119	890473	46.11	ug/l	100
87) 1,3-Dichlorobenzene	13.520	146	403458	45.50	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	400476	45.85	ug/l	98
89) n-Butylbenzene	13.844	91	868169	46.84	ug/l	98
90) Hexachloroethane	14.108	117	159634	45.76	ug/l	90
91) 1,2-Dichlorobenzene	13.891	146	350525	46.16	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23401	41.79	ug/l	86
93) 1,2,4-Trichlorobenzene	15.161	180	231518	44.47	ug/l	99
94) Hexachlorobutadiene	15.267	225	134617	46.64	ug/l	96
95) Naphthalene	15.402	128	433296	44.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	196591	44.77	ug/l	98

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

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