

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012721\
 Data File : VD068210.D
 Acq On : 27 Jan 2021 20:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2021 2:12:18 PM

Quant Time: Jan 28 00:00:06 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	7.985	168	315316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	571933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	528100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	234099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	156027	51.73	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.46%	
35) Dibromofluoromethane	7.920	113	162265	51.32	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.64%	
50) Toluene-d8	10.343	98	576442	45.58	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.16%	
62) 4-Bromofluorobenzene	12.632	95	212046	46.56	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.12%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	175399	46.83	ug/l	95
3) Chloromethane	2.209	50	233514	57.89	ug/l	99
4) Vinyl Chloride	2.350	62	257771	57.45	ug/l	98
5) Bromomethane	2.773	94	176525	57.37	ug/l	99
6) Chloroethane	2.926	64	167922	61.27	ug/l	98
7) Trichlorofluoromethane	3.279	101	303993	51.62	ug/l	98
8) Diethyl Ether	3.714	74	103183	59.51	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	180675	52.60	ug/l	94
10) Methyl Iodide	4.309	142	182121	47.44	ug/l	93
11) Tert butyl alcohol	5.226	59	65549	239.19	ug/l	99
12) 1,1-Dichloroethene	4.067	96	185293	53.64	ug/l	94
13) Acrolein	3.932	56	46189	194.32	ug/l	97
14) Allyl chloride	4.720	41	276410	55.01	ug/l	96
15) Acrylonitrile	5.426	53	211866	308.46	ug/l	99
16) Acetone	4.161	43	168174	312.25	ug/l	94
17) Carbon Disulfide	4.414	76	577673	51.92	ug/l	100
18) Methyl Acetate	4.720	43	105585	75.53	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	474485	59.41	ug/l #	90
20) Methylene Chloride	4.967	84	247144	67.12	ug/l #	89
21) trans-1,2-Dichloroethene	5.479	96	219469	55.34	ug/l	91
22) Diisopropyl ether	6.367	45	593150	58.50	ug/l	94
23) Vinyl Acetate	6.308	43	1557000	288.07	ug/l	96
24) 1,1-Dichloroethane	6.267	63	380510	57.92	ug/l	98
25) 2-Butanone	7.214	43	242683	299.26	ug/l	96
26) 2,2-Dichloropropane	7.214	77	317132	51.02	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	255153	59.26	ug/l	96
28) Bromochloromethane	7.550	49	123216	55.05	ug/l #	79
29) Tetrahydrofuran	7.567	42	156683	298.05	ug/l	94
30) Chloroform	7.714	83	390127	58.77	ug/l	97
31) Cyclohexane	7.991	56	318335	48.74	ug/l	94
32) 1,1,1-Trichloroethane	7.908	97	326802	54.62	ug/l	96
36) 1,1-Dichloropropene	8.114	75	295774	51.28	ug/l	96
37) Ethyl Acetate	7.297	43	112586	55.18	ug/l	96
38) Carbon Tetrachloride	8.102	117	278483	51.59	ug/l	98
39) Methylcyclohexane	9.355	83	362815	48.12	ug/l	98
40) Benzene	8.355	78	877957	54.44	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	62447	50.72	ug/l	95
42) 1,2-Dichloroethane	8.426	62	242193	56.21	ug/l	98
43) Isopropyl Acetate	8.455	43	228949	53.85	ug/l	95
44) Trichloroethene	9.114	130	232574	52.51	ug/l	94
45) 1,2-Dichloropropane	9.391	63	218853	55.42	ug/l	94
46) Dibromomethane	9.479	93	114277	57.11	ug/l	93
47) Bromodichloromethane	9.667	83	301030	55.75	ug/l	99
48) Methyl methacrylate	9.461	41	110791	52.35	ug/l	95
49) 1,4-Dioxane	9.461	88	25824	1101.27	ug/l #	83
51) 4-Methyl-2-Pentanone	10.232	43	568367	287.58	ug/l	97
52) Toluene	10.408	92	566016	53.87	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	294265	53.85	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	347426	53.41	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	161449	56.93	ug/l	94
56) Ethyl methacrylate	10.661	69	210701	55.78	ug/l #	93
57) 1,3-Dichloropropane	10.949	76	283161	56.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	449052	257.60	ug/l	91
59) 2-Hexanone	10.985	43	386106	281.83	ug/l	98
60) Dibromochloromethane	11.143	129	196112	55.16	ug/l	99
61) 1,2-Dibromoethane	11.249	107	154913	55.36	ug/l	99
64) Tetrachloroethene	10.879	164	186392	50.08	ug/l	98
65) Chlorobenzene	11.673	112	594474	52.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.749	131	208061	52.71	ug/l	97
67) Ethyl Benzene	11.749	91	1074818	51.73	ug/l	99
68) m/p-Xylenes	11.855	106	813298	103.69	ug/l	99
69) o-Xylene	12.185	106	381679	52.40	ug/l	98
70) Styrene	12.196	104	663565	53.37	ug/l	100
71) Bromoform	12.361	173	105982	52.98	ug/l #	99
73) Isopropylbenzene	12.479	105	1016631	52.19	ug/l	100
74) N-amyl acetate	12.290	43	209509	51.74	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	175282	56.57	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	109871m	48.54	ug/l	
77) Bromobenzene	12.761	156	225811	54.07	ug/l	87
78) n-propylbenzene	12.820	91	1206578	52.36	ug/l	97
79) 2-Chlorotoluene	12.908	91	684131	52.87	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	839362	51.74	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	57616	51.51	ug/l	95
82) 4-Chlorotoluene	13.008	91	705002	52.40	ug/l	97
83) tert-Butylbenzene	13.226	119	705385	51.31	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	839643	52.14	ug/l	99
85) sec-Butylbenzene	13.402	105	993301	51.66	ug/l	98
86) p-Isopropyltoluene	13.514	119	899976	51.46	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	427153	53.20	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	418285	52.87	ug/l	99
89) n-Butylbenzene	13.843	91	860747	51.28	ug/l	98
90) Hexachloroethane	14.114	117	166690	52.76	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	372561	54.17	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	27060	53.36	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	247656	52.52	ug/l	100
94) Hexachlorobutadiene	15.267	225	129600	49.58	ug/l	99
95) Naphthalene	15.402	128	485143	54.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	211456	53.17	ug/l	97

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

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