

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022321\
 Data File : VD068417.D
 Acq On : 23 Feb 2021 10:23
 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
 2/24/2021 1:35:18 PM

Quant Time: Feb 23 14:03:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	411686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	693709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	625346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	285078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	232102	55.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.30%			
35) Dibromofluoromethane	7.914	113	237927	57.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.56%			
50) Toluene-d8	10.343	98	945562	55.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.80%			
62) 4-Bromofluorobenzene	12.631	95	302449	54.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	157756	41.82	ug/l	100
3) Chloromethane	2.214	50	178511	39.75	ug/l	95
4) Vinyl Chloride	2.356	62	230978	42.96	ug/l	99
5) Bromomethane	2.767	94	165328	43.02	ug/l	100
6) Chloroethane	2.926	64	155128	44.17	ug/l	99
7) Trichlorofluoromethane	3.273	101	304187	45.97	ug/l	97
8) Diethyl Ether	3.714	74	92603	47.65	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	188591	46.83	ug/l	94
10) Methyl Iodide	4.303	142	194570	51.45	ug/l	92
11) Tert butyl alcohol	5.220	59	52449	248.57	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	176703	45.13	ug/l	93
13) Acrolein	3.926	56	71803	297.59	ug/l	98
14) Allyl chloride	4.720	41	223859	43.97	ug/l	97
15) Acrylonitrile	5.420	53	199848	238.24	ug/l	99
16) Acetone	4.155	43	166313	256.13	ug/l	92
17) Carbon Disulfide	4.408	76	471888	41.61	ug/l	98
18) Methyl Acetate	4.720	43	84849	47.61	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	431449	48.84	ug/l	94
20) Methylene Chloride	4.961	84	219183	48.48	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	205093	45.26	ug/l	94
22) Diisopropyl ether	6.361	45	519671	46.13	ug/l	96
23) Vinyl Acetate	6.302	43	1390575	239.06	ug/l	99
24) 1,1-Dichloroethane	6.261	63	357304	46.35	ug/l	99
25) 2-Butanone	7.214	43	220550	242.93	ug/l	97
26) 2,2-Dichloropropane	7.208	77	317648	48.18	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	241365	46.86	ug/l	96
28) Bromochloromethane	7.549	49	166850	52.19	ug/l	87
29) Tetrahydrofuran	7.561	42	136429	232.31	ug/l	98
30) Chloroform	7.708	83	381198	47.55	ug/l	97
31) Cyclohexane	7.985	56	285581	45.43	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	329252	47.53	ug/l	96
36) 1,1-Dichloropropene	8.114	75	286584	46.70	ug/l	96
37) Ethyl Acetate	7.291	43	103575	49.94	ug/l	97
38) Carbon Tetrachloride	8.096	117	281626	48.11	ug/l	100
39) Methylcyclohexane	9.355	83	336575	44.71	ug/l	99
40) Benzene	8.349	78	829215	47.37	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	62058m	51.99	ug/l	
42) 1,2-Dichloroethane	8.426	62	231089	49.49	ug/l	99
43) Isopropyl Acetate	8.455	43	199990	50.36	ug/l	98
44) Trichloroethene	9.114	130	228341	47.93	ug/l	99
45) 1,2-Dichloropropane	9.390	63	204045	47.77	ug/l	98
46) Dibromomethane	9.479	93	114726	49.51	ug/l	94
47) Bromodichloromethane	9.661	83	300549	50.03	ug/l	99
48) Methyl methacrylate	9.455	41	93999	47.43	ug/l	87
49) 1,4-Dioxane	9.461	88	26621	983.34	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	516874	253.42	ug/l	100
52) Toluene	10.402	92	540729	48.05	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	283454	50.98	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	330757	48.69	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	162872	50.88	ug/l	93
56) Ethyl methacrylate	10.661	69	195372	51.44	ug/l	94
57) 1,3-Dichloropropane	10.949	76	276941	49.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	546421	268.68	ug/l	95
59) 2-Hexanone	10.985	43	351299	254.80	ug/l	98
60) Dibromochloromethane	11.143	129	203726	51.29	ug/l	100
61) 1,2-Dibromoethane	11.249	107	155713	50.34	ug/l	100
64) Tetrachloroethene	10.879	164	185287	48.15	ug/l	98
65) Chlorobenzene	11.673	112	588484	48.94	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.743	131	212187	50.58	ug/l	98
67) Ethyl Benzene	11.743	91	1047004	48.57	ug/l	98
68) m/p-Xylenes	11.855	106	791987	97.20	ug/l	99
69) o-Xylene	12.184	106	371217	49.66	ug/l	95
70) Styrene	12.196	104	640238	49.24	ug/l	99
71) Bromoform	12.361	173	111301	51.63	ug/l #	99
73) Isopropylbenzene	12.479	105	1023757	49.16	ug/l	100
74) N-amyl acetate	12.290	43	185221	50.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.731	83	181080	50.18	ug/l	100
76) 1,2,3-Trichloropropane	12.784	75	114786m	42.31	ug/l	
77) Bromobenzene	12.761	156	229604	49.36	ug/l	92
78) n-propylbenzene	12.820	91	1193688	47.89	ug/l	98
79) 2-Chlorotoluene	12.908	91	666367	48.27	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	831458	48.86	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.531	75	56867	52.55	ug/l	97
82) 4-Chlorotoluene	13.002	91	691770	47.40	ug/l	99
83) tert-Butylbenzene	13.226	119	718744	48.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	827178	48.79	ug/l	98
85) sec-Butylbenzene	13.402	105	1013123	49.08	ug/l	98
86) p-Isopropyltoluene	13.514	119	914997	49.37	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	437879	48.65	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	435503	48.63	ug/l	100
89) n-Butylbenzene	13.843	91	869135	48.06	ug/l	98
90) Hexachloroethane	14.108	117	165010	49.04	ug/l	92
91) 1,2-Dichlorobenzene	13.890	146	388380	49.77	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	26917	51.02	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	262056	51.27	ug/l	99
94) Hexachlorobutadiene	15.267	225	144315	51.33	ug/l	98
95) Naphthalene	15.402	128	492719	51.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	224526	50.36	ug/l	98

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

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