

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012021\
 Data File : VD068104.D
 Acq On : 20 Jan 2021 11:00
 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
 1/21/2021 10:39:30 AM

Quant Time: Jan 20 14:31:05 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	505998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	854353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	748030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	337401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	223143	46.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.20%		
35) Dibromofluoromethane	7.914	113	231339	48.98	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.96%		
50) Toluene-d8	10.344	98	877662	46.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.90%		
62) 4-Bromofluorobenzene	12.632	95	311040	45.72	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.44%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	298230	49.62	ug/l	99
3) Chloromethane	2.209	50	311718	48.16	ug/l	99
4) Vinyl Chloride	2.356	62	375078	52.10	ug/l	98
5) Bromomethane	2.773	94	258573	52.37	ug/l	95
6) Chloroethane	2.926	64	231018	52.53	ug/l	99
7) Trichlorofluoromethane	3.279	101	483606	51.17	ug/l	99
8) Diethyl Ether	3.709	74	132064	47.46	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	287602	52.18	ug/l	95
10) Methyl Iodide	4.303	142	305918	49.51	ug/l	94
11) Tert butyl alcohol	5.215	59	95569	209.29	ug/l	98
12) 1,1-Dichloroethene	4.073	96	282306	50.93	ug/l	89
13) Acrolein	3.926	56	80866	212.00	ug/l	98
14) Allyl chloride	4.720	41	403317	50.02	ug/l	95
15) Acrylonitrile	5.420	53	266813	242.07	ug/l	99
16) Acetone	4.156	43	254149	294.06	ug/l	95
17) Carbon Disulfide	4.415	76	903862	50.62	ug/l	99
18) Methyl Acetate	4.720	43	108858	48.53	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	627112	48.93	ug/l	93
20) Methylene Chloride	4.968	84	302858	50.22	ug/l #	89
21) trans-1,2-Dichloroethene	5.473	96	317809	49.94	ug/l	89
22) Diisopropyl ether	6.362	45	804883	49.47	ug/l	95
23) Vinyl Acetate	6.303	43	2171600	250.38	ug/l	96
24) 1,1-Dichloroethane	6.267	63	525859	49.88	ug/l	98
25) 2-Butanone	7.209	43	309787	238.05	ug/l	98
26) 2,2-Dichloropropane	7.209	77	502144	50.34	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	345320	49.98	ug/l	92
28) Bromochloromethane	7.550	49	170537	47.48	ug/l #	78
29) Tetrahydrofuran	7.561	42	199887	236.94	ug/l	93
30) Chloroform	7.709	83	534106	50.14	ug/l	97
31) Cyclohexane	7.985	56	511045	48.76	ug/l	92
32) 1,1,1-Trichloroethane	7.909	97	489150	50.95	ug/l	96
36) 1,1-Dichloropropene	8.114	75	440676	51.15	ug/l	97
37) Ethyl Acetate	7.291	43	146250	47.99	ug/l	98
38) Carbon Tetrachloride	8.097	117	419619	52.03	ug/l	99
39) Methylcyclohexane	9.355	83	580196	51.51	ug/l	96
40) Benzene	8.350	78	1205525	50.04	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	76893	41.81	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	322388	50.09	ug/l	99
43) Isopropyl Acetate	8.456	43	308814	48.62	ug/l	94
44) Trichloroethene	9.114	130	337023	50.94	ug/l	92
45) 1,2-Dichloropropane	9.391	63	295301	50.06	ug/l	96
46) Dibromomethane	9.479	93	150671	50.41	ug/l	93
47) Bromodichloromethane	9.661	83	403106	49.98	ug/l	99
48) Methyl methacrylate	9.456	41	153422	48.53	ug/l	96
49) 1,4-Dioxane	9.461	88	32266	921.13	ug/l #	84
51) 4-Methyl-2-Pentanone	10.226	43	721014	244.22	ug/l	97
52) Toluene	10.403	92	787128	50.15	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	402976	49.36	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	479967	49.39	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	209903	49.55	ug/l	96
56) Ethyl methacrylate	10.661	69	272307	48.26	ug/l	92
57) 1,3-Dichloropropane	10.950	76	368910	49.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	659142	253.13	ug/l	92
59) 2-Hexanone	10.985	43	521139	254.65	ug/l	95
60) Dibromochloromethane	11.144	129	263511	49.61	ug/l	99
61) 1,2-Dibromoethane	11.250	107	202292	48.40	ug/l	98
64) Tetrachloroethene	10.879	164	270897	51.38	ug/l	98
65) Chlorobenzene	11.673	112	807638	50.81	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	285562	51.08	ug/l	97
67) Ethyl Benzene	11.744	91	1520528	51.67	ug/l	98
68) m/p-Xylenes	11.855	106	1140003	102.61	ug/l	97
69) o-Xylene	12.179	106	532768	51.63	ug/l	96
70) Styrene	12.197	104	895780	50.86	ug/l	98
71) Bromoform	12.361	173	143526	50.65	ug/l #	99
73) Isopropylbenzene	12.479	105	1458333	51.94	ug/l	100
74) N-amyl acetate	12.285	43	285323	48.89	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	221739	49.66	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	140235m	42.99	ug/l	
77) Bromobenzene	12.761	156	308256	51.21	ug/l	88
78) n-propylbenzene	12.820	91	1723506	51.89	ug/l	98
79) 2-Chlorotoluene	12.908	91	953081	51.11	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	1192567	51.00	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	81786	50.73	ug/l	92
82) 4-Chlorotoluene	13.002	91	1009223	52.04	ug/l	95
83) tert-Butylbenzene	13.226	119	1019691	51.46	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	1179965	50.84	ug/l	98
85) sec-Butylbenzene	13.402	105	1440417	51.97	ug/l	98
86) p-Isopropyltoluene	13.514	119	1305074	51.77	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	595154	51.42	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	586106	51.40	ug/l	98
89) n-Butylbenzene	13.844	91	1260021	52.09	ug/l	98
90) Hexachloroethane	14.114	117	237385	52.13	ug/l	92
91) 1,2-Dichlorobenzene	13.891	146	506587	51.11	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	35635	48.76	ug/l	84
93) 1,2,4-Trichlorobenzene	15.161	180	347062	51.07	ug/l	99
94) Hexachlorobutadiene	15.267	225	193685	51.41	ug/l	99
95) Naphthalene	15.402	128	632670	49.66	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	285894	49.88	ug/l	99

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

