

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020921\
 Data File : VD068328.D
 Acq On : 09 Feb 2021 11:39
 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
 2/10/2021 10:06:56 AM

Quant Time: Feb 10 00:15:38 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	354000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	603035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	534496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	244430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	140439	41.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.94%		
35) Dibromofluoromethane	7.914	113	153354	46.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.00%		
50) Toluene-d8	10.338	98	545761	40.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.84%		
62) 4-Bromofluorobenzene	12.632	95	198420	41.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.64%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	175313	41.69	ug/l	100
3) Chloromethane	2.209	50	204150	45.08	ug/l	99
4) Vinyl Chloride	2.350	62	255782	50.78	ug/l	98
5) Bromomethane	2.773	94	177609	51.42	ug/l	100
6) Chloroethane	2.926	64	162865	52.93	ug/l	99
7) Trichlorofluoromethane	3.273	101	317762	48.06	ug/l	98
8) Diethyl Ether	3.709	74	87116	44.75	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	188809	48.96	ug/l	95
10) Methyl Iodide	4.303	142	190296	44.38	ug/l	95
11) Tert butyl alcohol	5.214	59	55170	157.34	ug/l	99
12) 1,1-Dichloroethene	4.067	96	186264	48.03	ug/l	97
13) Acrolein	3.926	56	46967	176.00	ug/l	99
14) Allyl chloride	4.714	41	239410	42.44	ug/l	96
15) Acrylonitrile	5.426	53	180580	234.18	ug/l	98
16) Acetone	4.156	43	180853	299.10	ug/l	90
17) Carbon Disulfide	4.408	76	538277	43.09	ug/l	100
18) Methyl Acetate	4.714	43	74395	47.41	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	405343	45.21	ug/l	96
20) Methylene Chloride	4.967	84	216426	51.39	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	211656	47.54	ug/l	93
22) Diisopropyl ether	6.355	45	517376	45.45	ug/l	95
23) Vinyl Acetate	6.308	43	1339408	220.74	ug/l	98
24) 1,1-Dichloroethane	6.261	63	358062	48.54	ug/l	97
25) 2-Butanone	7.208	43	204059	224.13	ug/l	97
26) 2,2-Dichloropropane	7.208	77	324517	46.50	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	238842	49.41	ug/l	95
28) Bromochloromethane	7.544	49	113466	45.15	ug/l	82
29) Tetrahydrofuran	7.567	42	125476	212.60	ug/l	98
30) Chloroform	7.708	83	372565	49.99	ug/l	97
31) Cyclohexane	7.985	56	319176	43.53	ug/l	93
32) 1,1,1-Trichloroethane	7.902	97	326965	48.68	ug/l	97
36) 1,1-Dichloropropene	8.114	75	289343	47.58	ug/l	98
37) Ethyl Acetate	7.291	43	91132	42.37	ug/l	95
38) Carbon Tetrachloride	8.097	117	283934	49.88	ug/l	95
39) Methylcyclohexane	9.355	83	369905	46.53	ug/l	96
40) Benzene	8.349	78	834736	49.09	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	54502	41.98	ug/l	97
42) 1,2-Dichloroethane	8.426	62	218971	48.20	ug/l	98
43) Isopropyl Acetate	8.449	43	184036	41.05	ug/l	96
44) Trichloroethene	9.114	130	231233	49.52	ug/l	96
45) 1,2-Dichloropropane	9.385	63	200289	48.10	ug/l	97
46) Dibromomethane	9.473	93	103476	49.04	ug/l	94
47) Bromodichloromethane	9.667	83	282739	49.67	ug/l	99
48) Methyl methacrylate	9.461	41	92002	41.23	ug/l	96
49) 1,4-Dioxane	9.461	88	23087	933.77	ug/l #	86
51) 4-Methyl-2-Pentanone	10.232	43	456771	219.19	ug/l	100
52) Toluene	10.402	92	543578	49.07	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	265925	46.15	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	320173	46.68	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	147744	49.41	ug/l	97
56) Ethyl methacrylate	10.661	69	176751	44.38	ug/l	97
57) 1,3-Dichloropropane	10.949	76	247499	46.91	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	425761	231.64	ug/l	93
59) 2-Hexanone	10.985	43	324245	224.47	ug/l	100
60) Dibromochloromethane	11.143	129	181275	48.35	ug/l	98
61) 1,2-Dibromoethane	11.249	107	140626	47.67	ug/l	100
64) Tetrachloroethene	10.879	164	182698	48.50	ug/l	95
65) Chlorobenzene	11.673	112	562577	49.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	197709	49.49	ug/l	98
67) Ethyl Benzene	11.743	91	1050265	49.95	ug/l	98
68) m/p-Xylenes	11.855	106	783491	98.69	ug/l	98
69) o-Xylene	12.179	106	367278	49.82	ug/l	95
70) Styrene	12.196	104	621997	49.43	ug/l	99
71) Bromoform	12.361	173	98412	48.60	ug/l #	99
73) Isopropylbenzene	12.479	105	999542	49.14	ug/l	100
74) N-amyl acetate	12.290	43	168623	39.89	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	157829	48.79	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	114989m	48.65	ug/l	
77) Bromobenzene	12.761	156	212570	48.75	ug/l	90
78) n-propylbenzene	12.820	91	1186069	49.29	ug/l	97
79) 2-Chlorotoluene	12.908	91	645104	47.75	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	822204	48.54	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	48952	41.91	ug/l	95
82) 4-Chlorotoluene	13.002	91	683611	48.66	ug/l	97
83) tert-Butylbenzene	13.226	119	705004	49.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	824370	49.03	ug/l	99
85) sec-Butylbenzene	13.402	105	997591	49.69	ug/l	98
86) p-Isopropyltoluene	13.514	119	898481	49.20	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	420415	50.14	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	414698	50.20	ug/l	99
89) n-Butylbenzene	13.843	91	858879	49.01	ug/l	99
90) Hexachloroethane	14.108	117	162953	49.40	ug/l	90
91) 1,2-Dichlorobenzene	13.890	146	358553	49.93	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23898	45.14	ug/l	81
93) 1,2,4-Trichlorobenzene	15.161	180	242524	49.26	ug/l	99
94) Hexachlorobutadiene	15.267	225	138168	50.63	ug/l	96
95) Naphthalene	15.402	128	434285	47.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	198760	47.86	ug/l	100

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

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