

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068160.D
 Acq On : 22 Jan 2021 17:38
 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
 1/26/2021 10:42:32 AM

Quant Time: Jan 23 00:00:58 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	373298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	682181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	612943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	279956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	182289	51.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.10%			
35) Dibromofluoromethane	7.920	113	183723	48.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.42%			
50) Toluene-d8	10.344	98	666777	44.20	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.40%			
62) 4-Bromofluorobenzene	12.632	95	245496	45.19	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.38%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	206833	46.64	ug/l	97
3) Chloromethane	2.209	50	257515	53.92	ug/l	97
4) Vinyl Chloride	2.350	62	285252	53.70	ug/l	98
5) Bromomethane	2.774	94	194729	53.46	ug/l	99
6) Chloroethane	2.926	64	186750	57.55	ug/l	99
7) Trichlorofluoromethane	3.279	101	345834	49.60	ug/l	99
8) Diethyl Ether	3.715	74	113482	55.28	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	203933	50.15	ug/l	94
10) Methyl Iodide	4.309	142	217620	47.86	ug/l	95
11) Tert butyl alcohol	5.226	59	78103	241.30	ug/l #	89
12) 1,1-Dichloroethene	4.073	96	208508	50.98	ug/l	89
13) Acrolein	3.926	56	61232	217.59	ug/l	99
14) Allyl chloride	4.720	41	314878	52.93	ug/l	96
15) Acrylonitrile	5.426	53	234826	288.78	ug/l	98
16) Acetone	4.162	43	168956	264.98	ug/l	89
17) Carbon Disulfide	4.415	76	665727	50.54	ug/l	99
18) Methyl Acetate	4.720	43	98355	59.43	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	533174	56.39	ug/l #	91
20) Methylene Chloride	4.968	84	257810	58.62	ug/l	88
21) trans-1,2-Dichloroethene	5.479	96	247598	52.74	ug/l	91
22) Diisopropyl ether	6.367	45	673188	56.08	ug/l	94
23) Vinyl Acetate	6.309	43	1846353	288.55	ug/l	94
24) 1,1-Dichloroethane	6.267	63	427711	54.99	ug/l	99
25) 2-Butanone	7.214	43	271898	283.21	ug/l	99
26) 2,2-Dichloropropane	7.214	77	368429	50.06	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	280649	55.06	ug/l	93
28) Bromochloromethane	7.550	49	142276	53.69	ug/l #	77
29) Tetrahydrofuran	7.567	42	180509	290.04	ug/l	92
30) Chloroform	7.714	83	436874	55.59	ug/l	96
31) Cyclohexane	7.991	56	365862	47.32	ug/l	91
32) 1,1,1-Trichloroethane	7.909	97	371288	52.42	ug/l	94
36) 1,1-Dichloropropene	8.114	75	328596	47.77	ug/l	97
37) Ethyl Acetate	7.291	43	129475	53.21	ug/l	94
38) Carbon Tetrachloride	8.103	117	316979	49.23	ug/l	97
39) Methylcyclohexane	9.361	83	421216	46.83	ug/l	99
40) Benzene	8.356	78	978212	50.86	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.544	41	82529m	56.19	ug/l	
42) 1,2-Dichloroethane	8.426	62	271515	52.83	ug/l	98
43) Isopropyl Acetate	8.456	43	265687	52.39	ug/l	95
44) Trichloroethene	9.114	130	261189	49.44	ug/l	97
45) 1,2-Dichloropropane	9.391	63	242770	51.54	ug/l	98
46) Dibromomethane	9.479	93	127914	53.59	ug/l	93
47) Bromodichloromethane	9.661	83	338949	52.63	ug/l	97
48) Methyl methacrylate	9.461	41	133125	52.74	ug/l	96
49) 1,4-Dioxane	9.467	88	29867	1067.84	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	638765	270.97	ug/l	97
52) Toluene	10.403	92	632748	50.49	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	333603	51.18	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	394067	50.79	ug/l	93
55) 1,1,2-Trichloroethane	10.803	97	178940	52.90	ug/l	94
56) Ethyl methacrylate	10.661	69	233994	51.93	ug/l #	92
57) 1,3-Dichloropropane	10.950	76	314591	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	558821	268.76	ug/l	91
59) 2-Hexanone	10.985	43	435021	266.22	ug/l	96
60) Dibromochloromethane	11.144	129	221912	52.33	ug/l	99
61) 1,2-Dibromoethane	11.250	107	174766	52.37	ug/l	100
64) Tetrachloroethene	10.879	164	207063	47.93	ug/l	95
65) Chlorobenzene	11.673	112	662528	50.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	231673	50.57	ug/l	97
67) Ethyl Benzene	11.750	91	1214586	50.37	ug/l	99
68) m/p-Xylenes	11.855	106	903395	99.23	ug/l	99
69) o-Xylene	12.185	106	431550	51.04	ug/l	96
70) Styrene	12.197	104	737088	51.07	ug/l	98
71) Bromoform	12.361	173	120510	51.90	ug/l #	99
73) Isopropylbenzene	12.479	105	1139645	48.92	ug/l	100
74) N-amyl acetate	12.291	43	249945	51.62	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	196732	53.10	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	125727m	46.45	ug/l	
77) Bromobenzene	12.761	156	253607	50.78	ug/l	88
78) n-propylbenzene	12.820	91	1340384	48.63	ug/l	97
79) 2-Chlorotoluene	12.908	91	755461	48.82	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	942096	48.56	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	67714	50.62	ug/l	95
82) 4-Chlorotoluene	13.008	91	789498	49.07	ug/l	98
83) tert-Butylbenzene	13.226	119	790654	48.09	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	948778	49.27	ug/l	99
85) sec-Butylbenzene	13.402	105	1108564	48.21	ug/l	98
86) p-Isopropyltoluene	13.514	119	1010001	48.29	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	484551	50.46	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	480116	50.75	ug/l	99
89) n-Butylbenzene	13.844	91	970942	48.37	ug/l	98
90) Hexachloroethane	14.114	117	183171	48.48	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	419590	51.01	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	30390	50.11	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	282310	50.07	ug/l	97
94) Hexachlorobutadiene	15.267	225	147358	47.14	ug/l	99
95) Naphthalene	15.402	128	546843	51.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	241256	50.72	ug/l	99

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

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