

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068147.D
 Acq On : 22 Jan 2021 11:17
 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
 1/26/2021 10:42:26 AM

Quant Time: Jan 22 23:56:33 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	431051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	731012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	648817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	291090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	192564	46.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.40%		
35) Dibromofluoromethane	7.920	113	197848	48.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.90%		
50) Toluene-d8	10.344	98	736056	45.53	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.06%		
62) 4-Bromofluorobenzene	12.632	95	268812	46.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.36%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	251110	49.04	ug/l	99
3) Chloromethane	2.209	50	274779	49.83	ug/l	97
4) Vinyl Chloride	2.356	62	322617	52.60	ug/l	97
5) Bromomethane	2.773	94	209977	49.92	ug/l	99
6) Chloroethane	2.926	64	198291	52.92	ug/l	96
7) Trichlorofluoromethane	3.279	101	397635	49.39	ug/l	99
8) Diethyl Ether	3.709	74	118835	50.13	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	241754	51.49	ug/l	94
10) Methyl Iodide	4.309	142	246268	46.96	ug/l	93
11) Tert butyl alcohol	5.220	59	83893	218.34	ug/l	100
12) 1,1-Dichloroethene	4.073	96	233187	49.38	ug/l	91
13) Acrolein	3.932	56	75691	232.93	ug/l	99
14) Allyl chloride	4.720	41	340789	49.61	ug/l	96
15) Acrylonitrile	5.420	53	243329	259.15	ug/l	100
16) Acetone	4.156	43	218616	296.92	ug/l	94
17) Carbon Disulfide	4.415	76	748409	49.21	ug/l	100
18) Methyl Acetate	4.726	43	100121	52.39	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	543395	49.77	ug/l #	90
20) Methylene Chloride	4.967	84	260149	50.68	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	266820	49.22	ug/l	88
22) Diisopropyl ether	6.367	45	698001	50.36	ug/l #	93
23) Vinyl Acetate	6.309	43	1927936	260.93	ug/l	96
24) 1,1-Dichloroethane	6.267	63	454420	50.60	ug/l	99
25) 2-Butanone	7.214	43	287436	259.28	ug/l	100
26) 2,2-Dichloropropane	7.214	77	421236	49.57	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	294092	49.96	ug/l	92
28) Bromochloromethane	7.550	49	146510	47.88	ug/l #	76
29) Tetrahydrofuran	7.561	42	180107	250.62	ug/l	93
30) Chloroform	7.714	83	447597	49.32	ug/l	98
31) Cyclohexane	7.991	56	433763	48.58	ug/l	89
32) 1,1,1-Trichloroethane	7.908	97	414838	50.72	ug/l	95
36) 1,1-Dichloropropene	8.114	75	372468	50.53	ug/l	97
37) Ethyl Acetate	7.297	43	134453	51.56	ug/l	95
38) Carbon Tetrachloride	8.097	117	345992	50.14	ug/l	99
39) Methylcyclohexane	9.355	83	495560	51.42	ug/l	94
40) Benzene	8.356	78	1036139	50.27	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	77661	49.35	ug/l	96
42) 1,2-Dichloroethane	8.426	62	278094	50.49	ug/l	98
43) Isopropyl Acetate	8.456	43	275202	50.64	ug/l	94
44) Trichloroethene	9.114	130	282839	49.97	ug/l	100
45) 1,2-Dichloropropane	9.391	63	253685	50.26	ug/l	95
46) Dibromomethane	9.479	93	131122	51.27	ug/l	93
47) Bromodichloromethane	9.667	83	351358	50.91	ug/l	99
48) Methyl methacrylate	9.455	41	137648	50.89	ug/l	95
49) 1,4-Dioxane	9.461	88	29556	986.13	ug/l #	84
51) 4-Methyl-2-Pentanone	10.232	43	653878	258.85	ug/l	97
52) Toluene	10.408	92	667474	49.70	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	345353	49.44	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	409240	49.22	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	181178	49.99	ug/l	94
56) Ethyl methacrylate	10.661	69	239165	49.54	ug/l #	93
57) 1,3-Dichloropropane	10.950	76	326230	51.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	561277	251.91	ug/l	92
59) 2-Hexanone	10.985	43	475241	271.41	ug/l	96
60) Dibromochloromethane	11.144	129	229026	50.40	ug/l	100
61) 1,2-Dibromoethane	11.249	107	178734	49.98	ug/l	99
64) Tetrachloroethene	10.879	164	228274	49.92	ug/l	96
65) Chlorobenzene	11.673	112	696156	50.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	245757	50.68	ug/l	97
67) Ethyl Benzene	11.749	91	1299483	50.91	ug/l	98
68) m/p-Xylenes	11.855	106	971423	100.81	ug/l	99
69) o-Xylene	12.185	106	454020	50.73	ug/l	97
70) Styrene	12.196	104	771273	50.49	ug/l	98
71) Bromoform	12.361	173	126251	51.37	ug/l #	98
73) Isopropylbenzene	12.479	105	1234439	50.96	ug/l	99
74) N-amyl acetate	12.291	43	257696	51.18	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	198670	51.57	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	127043m	45.14	ug/l	
77) Bromobenzene	12.761	156	263162	50.68	ug/l	87
78) n-propylbenzene	12.820	91	1490969	52.03	ug/l	97
79) 2-Chlorotoluene	12.908	91	817938	50.84	ug/l	95
80) 1,3,5-Trimethylbenzene	12.961	105	1026426	50.88	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.532	75	70410	50.62	ug/l	97
82) 4-Chlorotoluene	13.008	91	852849	50.98	ug/l	96
83) tert-Butylbenzene	13.226	119	865840	50.65	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	1010104	50.45	ug/l	99
85) sec-Butylbenzene	13.402	105	1238461	51.80	ug/l	98
86) p-Isopropyltoluene	13.514	119	1123664	51.67	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	508198	50.90	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	496145	50.44	ug/l	99
89) n-Butylbenzene	13.843	91	1091643	52.31	ug/l	98
90) Hexachloroethane	14.114	117	201036	51.18	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	437263	51.13	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	30041	47.64	ug/l	88
93) 1,2,4-Trichlorobenzene	15.161	180	298672	50.94	ug/l	99
94) Hexachlorobutadiene	15.267	225	167211	51.45	ug/l	98
95) Naphthalene	15.402	128	568041	51.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	255595	51.68	ug/l	98

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

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