

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012921\
 Data File : VD068234.D
 Acq On : 29 Jan 2021 12:24
 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
 2/3/2021 10:07:20 AM

Quant Time: Jan 30 00:00:44 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	360629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	616108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	542535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	246097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	146023	42.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.66%		
35) Dibromofluoromethane	7.920	113	155049	45.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.04%		
50) Toluene-d8	10.344	98	577541	42.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.78%		
62) 4-Bromofluorobenzene	12.632	95	205571	41.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	190008	44.35	ug/l	99
3) Chloromethane	2.209	50	221190	47.95	ug/l	96
4) Vinyl Chloride	2.350	62	269054	52.43	ug/l	99
5) Bromomethane	2.774	94	173341	49.26	ug/l	97
6) Chloroethane	2.926	64	167715	53.50	ug/l	100
7) Trichlorofluoromethane	3.279	101	320373	47.57	ug/l	97
8) Diethyl Ether	3.715	74	89174	44.97	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	194725	49.57	ug/l	93
10) Methyl Iodide	4.303	142	194840	44.58	ug/l	95
11) Tert butyl alcohol	5.215	59	53151	144.03	ug/l	100
12) 1,1-Dichloroethene	4.073	96	191962	48.59	ug/l	95
13) Acrolein	3.926	56	64611	237.66	ug/l	99
14) Allyl chloride	4.715	41	262741	45.72	ug/l	96
15) Acrylonitrile	5.426	53	186194	237.02	ug/l	99
16) Acetone	4.162	43	178544	289.85	ug/l	94
17) Carbon Disulfide	4.415	76	586802	46.11	ug/l	98
18) Methyl Acetate	4.720	43	78833	49.31	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	415831	45.52	ug/l	94
20) Methylene Chloride	4.968	84	210841	48.96	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	215252	47.46	ug/l	94
22) Diisopropyl ether	6.367	45	547536	47.22	ug/l #	92
23) Vinyl Acetate	6.309	43	1445532	233.85	ug/l	97
24) 1,1-Dichloroethane	6.267	63	366524	48.78	ug/l	98
25) 2-Butanone	7.214	43	217771	234.80	ug/l	99
26) 2,2-Dichloropropane	7.214	77	333492	46.91	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	238872	48.51	ug/l	94
28) Bromochloromethane	7.550	49	114253	44.63	ug/l #	77
29) Tetrahydrofuran	7.567	42	134459	223.63	ug/l	96
30) Chloroform	7.709	83	370446	48.79	ug/l	93
31) Cyclohexane	7.985	56	339149	45.40	ug/l	93
32) 1,1,1-Trichloroethane	7.909	97	331803	48.49	ug/l	95
36) 1,1-Dichloropropene	8.114	75	301127	48.47	ug/l	97
37) Ethyl Acetate	7.291	43	99366	45.21	ug/l	97
38) Carbon Tetrachloride	8.097	117	286783	49.31	ug/l	96
39) Methylcyclohexane	9.356	83	390691	48.10	ug/l	97
40) Benzene	8.356	78	844521	48.61	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	65962m	49.73	ug/l	
42) 1,2-Dichloroethane	8.426	62	220119	47.42	ug/l	97
43) Isopropyl Acetate	8.456	43	202261	44.16	ug/l	96
44) Trichloroethene	9.114	130	229013	48.00	ug/l	97
45) 1,2-Dichloropropane	9.391	63	205042	48.20	ug/l	98
46) Dibromomethane	9.479	93	103010	47.79	ug/l	93
47) Bromodichloromethane	9.661	83	279260	48.01	ug/l	98
48) Methyl methacrylate	9.456	41	101368	44.47	ug/l	99
49) 1,4-Dioxane	9.461	88	23252	920.49	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	495178	232.58	ug/l	97
52) Toluene	10.403	92	539702	47.68	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	271960	46.20	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	322501	46.02	ug/l	96
55) 1,1,2-Trichloroethane	10.803	97	145729	47.70	ug/l	95
56) Ethyl methacrylate	10.661	69	182400	44.82	ug/l #	92
57) 1,3-Dichloropropane	10.950	76	253557	47.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	453456	241.48	ug/l	92
59) 2-Hexanone	10.985	43	352271	238.70	ug/l	97
60) Dibromochloromethane	11.144	129	179579	46.89	ug/l	99
61) 1,2-Dibromoethane	11.250	107	139526	46.29	ug/l	98
64) Tetrachloroethene	10.879	164	180520	47.21	ug/l	98
65) Chlorobenzene	11.673	112	556472	48.27	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	195131	48.12	ug/l	97
67) Ethyl Benzene	11.750	91	1046913	49.05	ug/l	99
68) m/p-Xylenes	11.855	106	781159	96.94	ug/l	98
69) o-Xylene	12.179	106	362692	48.47	ug/l	97
70) Styrene	12.197	104	611950	47.91	ug/l	98
71) Bromoform	12.361	173	95305	46.37	ug/l #	100
73) Isopropylbenzene	12.479	105	1002410	48.95	ug/l	100
74) N-amyl acetate	12.291	43	187988	44.17	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	156064	47.92	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	99571m	41.85	ug/l	
77) Bromobenzene	12.761	156	205133	46.72	ug/l	86
78) n-propylbenzene	12.820	91	1190216	49.13	ug/l	97
79) 2-Chlorotoluene	12.908	91	649448	47.75	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	812382	47.63	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	51967	44.19	ug/l	97
82) 4-Chlorotoluene	13.008	91	670822	47.43	ug/l	97
83) tert-Butylbenzene	13.226	119	701261	48.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	800570	47.29	ug/l	99
85) sec-Butylbenzene	13.402	105	997339	49.34	ug/l	98
86) p-Isopropyltoluene	13.514	119	890821	48.45	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	403386	47.79	ug/l	98
88) 1,4-Dichlorobenzene	13.597	146	398078	47.87	ug/l	99
89) n-Butylbenzene	13.844	91	867012	49.14	ug/l	98
90) Hexachloroethane	14.108	117	161258	48.55	ug/l	88
91) 1,2-Dichlorobenzene	13.891	146	341434	47.22	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	23170	43.46	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	232761	46.96	ug/l	99
94) Hexachlorobutadiene	15.267	225	131251	47.77	ug/l	100
95) Naphthalene	15.402	128	426136	45.85	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	197078	47.14	ug/l	97

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

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