

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068162.D
 Acq On : 25 Jan 2021 11:34
 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 12:57:25 PM

Quant Time: Jan 26 00:06:27 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	436241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	752599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	663568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	299354	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188457	45.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.32%		
35) Dibromofluoromethane	7.914	113	193719	46.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.12%		
50) Toluene-d8	10.344	98	724869	43.55	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.10%		
62) 4-Bromofluorobenzene	12.632	95	257001	42.88	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	244105	47.10	ug/l	98
3) Chloromethane	2.209	50	273354	48.98	ug/l	100
4) Vinyl Chloride	2.350	62	320244	51.59	ug/l	99
5) Bromomethane	2.774	94	215428	50.61	ug/l	96
6) Chloroethane	2.926	64	195527	51.56	ug/l	95
7) Trichlorofluoromethane	3.279	101	392289	48.15	ug/l	100
8) Diethyl Ether	3.709	74	116026	48.37	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	238393	50.17	ug/l	94
10) Methyl Iodide	4.303	142	246094	46.41	ug/l	94
11) Tert butyl alcohol	5.215	59	83086	211.78	ug/l	99
12) 1,1-Dichloroethene	4.068	96	231532	48.44	ug/l	95
13) Acrolein	3.926	56	77497	235.65	ug/l	97
14) Allyl chloride	4.715	41	342966	49.33	ug/l	96
15) Acrylonitrile	5.420	53	241178	253.80	ug/l	99
16) Acetone	4.156	43	222232	298.24	ug/l	92
17) Carbon Disulfide	4.415	76	743372	48.29	ug/l	99
18) Methyl Acetate	4.715	43	99154	51.27	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	533635	48.29	ug/l	93
20) Methylene Chloride	4.968	84	262969	50.61	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	270951	49.38	ug/l	89
22) Diisopropyl ether	6.362	45	691535	49.30	ug/l	95
23) Vinyl Acetate	6.303	43	1883812	251.93	ug/l	97
24) 1,1-Dichloroethane	6.262	63	452188	49.75	ug/l	98
25) 2-Butanone	7.209	43	279639	249.24	ug/l	99
26) 2,2-Dichloropropane	7.209	77	421641	49.03	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	293556	49.28	ug/l	92
28) Bromochloromethane	7.550	49	146970	47.46	ug/l #	78
29) Tetrahydrofuran	7.562	42	180196	247.76	ug/l	93
30) Chloroform	7.709	83	449607	48.95	ug/l	96
31) Cyclohexane	7.985	56	422831	46.79	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	403408	48.74	ug/l	96
36) 1,1-Dichloropropene	8.114	75	369407	48.67	ug/l	97
37) Ethyl Acetate	7.291	43	131789	49.09	ug/l	94
38) Carbon Tetrachloride	8.097	117	352148	49.57	ug/l	99
39) Methylcyclohexane	9.356	83	485769	48.96	ug/l	96
40) Benzene	8.356	78	1041098	49.06	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	66812	41.24	ug/l #	88
42) 1,2-Dichloroethane	8.426	62	278879	49.18	ug/l	98
43) Isopropyl Acetate	8.450	43	268754	48.04	ug/l	95
44) Trichloroethene	9.114	130	285741	49.03	ug/l	97
45) 1,2-Dichloropropane	9.391	63	255228	49.12	ug/l	94
46) Dibromomethane	9.479	93	132274	50.24	ug/l	92
47) Bromodichloromethane	9.667	83	350445	49.33	ug/l	99
48) Methyl methacrylate	9.456	41	134801	48.41	ug/l	96
49) 1,4-Dioxane	9.461	88	30245	980.18	ug/l #	83
51) 4-Methyl-2-Pentanone	10.232	43	638231	245.41	ug/l	98
52) Toluene	10.408	92	671463	48.56	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	349253	48.57	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	409914	47.89	ug/l	95
55) 1,1,2-Trichloroethane	10.803	97	179732	48.17	ug/l	94
56) Ethyl methacrylate	10.661	69	240620	48.41	ug/l	95
57) 1,3-Dichloropropane	10.950	76	317165	48.17	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	587685	256.20	ug/l	92
59) 2-Hexanone	10.985	43	461118	255.79	ug/l	97
60) Dibromochloromethane	11.144	129	224909	48.07	ug/l	99
61) 1,2-Dibromoethane	11.250	107	179011	48.62	ug/l	99
64) Tetrachloroethene	10.879	164	224900	48.09	ug/l	97
65) Chlorobenzene	11.673	112	690586	48.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	242172	48.83	ug/l	98
67) Ethyl Benzene	11.744	91	1306346	50.04	ug/l	98
68) m/p-Xylenes	11.855	106	975864	99.02	ug/l	99
69) o-Xylene	12.185	106	448710	49.02	ug/l	98
70) Styrene	12.197	104	765332	48.99	ug/l	98
71) Bromoform	12.361	173	122250	48.63	ug/l #	99
73) Isopropylbenzene	12.479	105	1230010	49.38	ug/l	99
74) N-amyl acetate	12.291	43	251465	48.57	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	197172	49.77	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	141458m	48.87	ug/l	
77) Bromobenzene	12.761	156	263512	49.34	ug/l	88
78) n-propylbenzene	12.820	91	1474972	50.05	ug/l	97
79) 2-Chlorotoluene	12.908	91	813814	49.19	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	1020433	49.19	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.532	75	70014	48.95	ug/l	95
82) 4-Chlorotoluene	13.008	91	844785	49.10	ug/l	97
83) tert-Butylbenzene	13.226	119	872542	49.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	1006955	48.90	ug/l	100
85) sec-Butylbenzene	13.402	105	1229626	50.01	ug/l	98
86) p-Isopropyltoluene	13.514	119	1109548	49.61	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	505511	49.23	ug/l	98
88) 1,4-Dichlorobenzene	13.597	146	500787	49.50	ug/l	98
89) n-Butylbenzene	13.844	91	1082618	50.44	ug/l	99
90) Hexachloroethane	14.114	117	197039	48.77	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	430432	48.94	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	31136	48.02	ug/l	83
93) 1,2,4-Trichlorobenzene	15.161	180	298436	49.50	ug/l	99
94) Hexachlorobutadiene	15.267	225	163357	48.87	ug/l	99
95) Naphthalene	15.402	128	560485	49.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	248093	48.78	ug/l	98

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

