

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068277.D
 Acq On : 04 Feb 2021 14:51
 Operator : VA/SY
 Sample : VD0204SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2021 10:50:31 AM

Quant Time: Feb 05 00:03:32 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	331244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	614165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	553024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	247755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	165488	52.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.46%			
35) Dibromofluoromethane	7.920	113	169379	49.88	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.76%			
50) Toluene-d8	10.344	98	605381	44.57	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.14%			
62) 4-Bromofluorobenzene	12.632	95	219602	44.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	81286	20.66	ug/l	93
3) Chloromethane	2.209	50	104188	24.59	ug/l	98
4) Vinyl Chloride	2.350	62	113791	24.14	ug/l	96
5) Bromomethane	2.762	94	81774	25.30	ug/l	90
6) Chloroethane	2.921	64	74049	25.72	ug/l	99
7) Trichlorofluoromethane	3.279	101	131588	21.27	ug/l	98
8) Diethyl Ether	3.715	74	41393	22.72	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	80478	22.30	ug/l	93
10) Methyl Iodide	4.303	142	76983	20.98	ug/l	94
11) Tert butyl alcohol	5.226	59	29062	50.21	ug/l #	88
12) 1,1-Dichloroethene	4.073	96	82158	22.64	ug/l	92
13) Acrolein	3.926	56	23602	94.52	ug/l	96
14) Allyl chloride	4.715	41	113665	21.53	ug/l	97
15) Acrylonitrile	5.432	53	86641	120.08	ug/l	99
16) Acetone	4.156	43	58782	103.89	ug/l	100
17) Carbon Disulfide	4.415	76	243038	20.79	ug/l	97
18) Methyl Acetate	4.715	43	38813	26.43	ug/l	91
19) Methyl tert-butyl Ether	5.485	73	189877	22.63	ug/l #	91
20) Methylene Chloride	4.967	84	102693	23.91	ug/l	94
21) trans-1,2-Dichloroethene	5.485	96	93604	22.47	ug/l	98
22) Diisopropyl ether	6.367	45	245597	23.06	ug/l	97
23) Vinyl Acetate	6.314	43	625933	110.24	ug/l	98
24) 1,1-Dichloroethane	6.267	63	162646	23.57	ug/l	99
25) 2-Butanone	7.214	43	93982	110.32	ug/l	93
26) 2,2-Dichloropropane	7.214	77	133190	20.40	ug/l	100
27) cis-1,2-Dichloroethene	7.220	96	106293	23.50	ug/l	92
28) Bromochloromethane	7.550	49	59699	25.39	ug/l #	77
29) Tetrahydrofuran	7.561	42	63995	115.88	ug/l	92
30) Chloroform	7.714	83	168821	24.21	ug/l	94
31) Cyclohexane	7.991	56	139218	20.29	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	139351	22.17	ug/l	95
36) 1,1-Dichloropropene	8.120	75	127426	20.57	ug/l	96
37) Ethyl Acetate	7.291	43	46699	21.32	ug/l	94
38) Carbon Tetrachloride	8.097	117	116199	20.04	ug/l	97
39) Methylcyclohexane	9.361	83	154109	19.03	ug/l	96
40) Benzene	8.355	78	379217	21.90	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	28340m	21.43	ug/l	
42) 1,2-Dichloroethane	8.432	62	101922	22.03	ug/l	99
43) Isopropyl Acetate	8.456	43	90077	19.73	ug/l	96
44) Trichloroethene	9.114	130	98094	20.63	ug/l	94
45) 1,2-Dichloropropane	9.391	63	95144	22.44	ug/l	99
46) Dibromomethane	9.485	93	47603	22.15	ug/l	94
47) Bromodichloromethane	9.667	83	125923	21.72	ug/l	100
48) Methyl methacrylate	9.461	41	46328	20.39	ug/l	99
49) 1,4-Dioxane	9.461	88	10540	418.57	ug/l	88
51) 4-Methyl-2-Pentanone	10.232	43	224857	105.95	ug/l	96
52) Toluene	10.408	92	244113	21.64	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	119696	20.40	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	146941	21.03	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	68291	22.43	ug/l	95
56) Ethyl methacrylate	10.661	69	83480	20.58	ug/l	98
57) 1,3-Dichloropropane	10.949	76	119755	22.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	210800	112.61	ug/l	91
59) 2-Hexanone	10.985	43	150075	102.01	ug/l	96
60) Dibromochloromethane	11.144	129	81746	21.41	ug/l	99
61) 1,2-Dibromoethane	11.249	107	64258	21.39	ug/l	99
64) Tetrachloroethene	10.879	164	80034	20.53	ug/l	96
65) Chlorobenzene	11.673	112	253996	21.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	87072	21.07	ug/l	97
67) Ethyl Benzene	11.744	91	463925	21.32	ug/l	96
68) m/p-Xylenes	11.855	106	350145	42.63	ug/l	100
69) o-Xylene	12.185	106	163569	21.44	ug/l	96
70) Styrene	12.196	104	279399	21.46	ug/l	99
71) Bromoform	12.361	173	43250	20.64	ug/l #	99
73) Isopropylbenzene	12.479	105	434028	21.05	ug/l	100
74) N-amyl acetate	12.291	43	81985	19.13	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	73702	22.48	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	45455m	18.98	ug/l	
77) Bromobenzene	12.761	156	95964	21.71	ug/l	88
78) n-propylbenzene	12.820	91	522685	21.43	ug/l	96
79) 2-Chlorotoluene	12.908	91	287550	21.00	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	363989	21.20	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	22377	18.90	ug/l	95
82) 4-Chlorotoluene	13.008	91	311702	21.89	ug/l	97
83) tert-Butylbenzene	13.226	119	297904	20.48	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	358214	21.02	ug/l	98
85) sec-Butylbenzene	13.402	105	423685	20.82	ug/l	97
86) p-Isopropyltoluene	13.514	119	389033	21.02	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	185996	21.89	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	183016	21.86	ug/l	98
89) n-Butylbenzene	13.843	91	371556	20.92	ug/l	96
90) Hexachloroethane	14.114	117	67394	20.16	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	159324	21.89	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	10620	19.79	ug/l	87
93) 1,2,4-Trichlorobenzene	15.161	180	103467	20.73	ug/l	99
94) Hexachlorobutadiene	15.267	225	55557	20.08	ug/l	99
95) Naphthalene	15.396	128	195521	20.90	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	90658	21.54	ug/l	100

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

