

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010721\
 Data File : VD068025.D
 Acq On : 07 Jan 2021 11:08
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2021 2:31:59 PM

Quant Time: Jan 08 00:12:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	263204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	439299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	398513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	197690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	136543	48.04	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.08%
35) Dibromofluoromethane	7.914	113	137057	49.52	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.04%
50) Toluene-d8	10.344	98	499363	48.00	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.00%
62) 4-Bromofluorobenzene	12.632	95	176821	49.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.36%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	51537	19.22	ug/l	94
3) Chloromethane	2.209	50	64183	17.51	ug/l	90
4) Vinyl Chloride	2.350	62	64058	18.76	ug/l	99
5) Bromomethane	2.762	94	46820	18.74	ug/l	95
6) Chloroethane	2.920	64	39954	19.03	ug/l	97
7) Trichlorofluoromethane	3.273	101	109916	21.84	ug/l	99
8) Diethyl Ether	3.709	74	28036	19.43	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	61891	20.63	ug/l	94
10) Methyl Iodide	4.303	142	48557	18.49	ug/l	97
11) Tert butyl alcohol	5.209	59	16435m	56.21	ug/l	
12) 1,1-Dichloroethene	4.067	96	56558	19.65	ug/l	98
13) Acrolein	3.920	56	15980	79.00	ug/l	88
14) Allyl chloride	4.714	41	90370	17.66	ug/l	93
15) Acrylonitrile	5.414	53	62690	90.74	ug/l	99
16) Acetone	4.156	43	53273	98.17	ug/l #	88
17) Carbon Disulfide	4.409	76	193463	19.29	ug/l	100
18) Methyl Acetate	4.720	43	28823	17.97	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	107047	17.89	ug/l	92
20) Methylene Chloride	4.962	84	77460	17.18	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	67729	19.69	ug/l	95
22) Diisopropyl ether	6.361	45	195753	18.99	ug/l	98
23) Vinyl Acetate	6.303	43	460529	87.92	ug/l	96
24) 1,1-Dichloroethane	6.261	63	123306	19.77	ug/l	97
25) 2-Butanone	7.214	43	70788	88.46	ug/l	100
26) 2,2-Dichloropropane	7.208	77	104464	21.25	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	71478	19.45	ug/l	98
28) Bromochloromethane	7.544	49	43342	18.43	ug/l	93
29) Tetrahydrofuran	7.561	42	46941	86.71	ug/l	99
30) Chloroform	7.708	83	128251	20.99	ug/l	97
31) Cyclohexane	7.985	56	111757	19.23	ug/l #	92
32) 1,1,1-Trichloroethane	7.903	97	106741	20.39	ug/l	97
36) 1,1-Dichloropropene	8.114	75	97319	20.84	ug/l	98
37) Ethyl Acetate	7.291	43	34996	18.52	ug/l	97
38) Carbon Tetrachloride	8.097	117	96869	21.72	ug/l	94
39) Methylcyclohexane	9.355	83	110184	20.58	ug/l	95
40) Benzene	8.350	78	276792	20.44	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	24496	23.03	ug/l #	65
42) 1,2-Dichloroethane	8.426	62	76053	20.82	ug/l	98
43) Isopropyl Acetate	8.450	43	61841	17.83	ug/l	97
44) Trichloroethene	9.114	130	71450	21.04	ug/l	97
45) 1,2-Dichloropropane	9.391	63	71133	20.63	ug/l	95
46) Dibromomethane	9.473	93	34826	20.78	ug/l	95
47) Bromodichloromethane	9.661	83	94597	20.92	ug/l	99
48) Methyl methacrylate	9.455	41	29931	16.70	ug/l	88
49) 1,4-Dioxane	9.461	88	7183	392.49	ug/l #	91
51) 4-Methyl-2-Pentanone	10.232	43	165322	92.07	ug/l	99
52) Toluene	10.402	92	181287	21.68	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	81886	20.02	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	103539	20.46	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	48708	20.79	ug/l	97
56) Ethyl methacrylate	10.661	69	49365	18.76	ug/l	96
57) 1,3-Dichloropropane	10.949	76	84853	20.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	109112	82.38	ug/l	98
59) 2-Hexanone	10.985	43	111654	94.62	ug/l	95
60) Dibromochloromethane	11.144	129	61256	21.11	ug/l	99
61) 1,2-Dibromoethane	11.249	107	46079	20.50	ug/l	99
64) Tetrachloroethene	10.879	164	58973	21.09	ug/l	95
65) Chlorobenzene	11.673	112	177430	20.64	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.749	131	65885	21.47	ug/l	99
67) Ethyl Benzene	11.743	91	319054	20.81	ug/l	100
68) m/p-Xylenes	11.855	106	247889	42.43	ug/l	98
69) o-Xylene	12.185	106	108453	20.74	ug/l	99
70) Styrene	12.196	104	189214	20.94	ug/l	100
71) Bromoform	12.361	173	30993	19.98	ug/l #	96
73) Isopropylbenzene	12.479	105	295884	20.16	ug/l	100
74) N-amyl acetate	12.291	43	58384	17.53	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	54105	19.87	ug/l	100
76) 1,2,3-Trichloropropane	12.785	75	40026m	24.05	ug/l	
77) Bromobenzene	12.761	156	66114	19.70	ug/l	94
78) n-propylbenzene	12.820	91	375412	20.58	ug/l	99
79) 2-Chlorotoluene	12.908	91	211484	20.52	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	253944	20.84	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	15807	19.47	ug/l	96
82) 4-Chlorotoluene	13.008	91	220803	20.39	ug/l	99
83) tert-Butylbenzene	13.226	119	200452	20.00	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	252399	20.65	ug/l	100
85) sec-Butylbenzene	13.402	105	308008	21.00	ug/l	100
86) p-Isopropyltoluene	13.520	119	269266	20.86	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	134870	20.21	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	135579	20.57	ug/l	97
89) n-Butylbenzene	13.843	91	264307	20.65	ug/l	99
90) Hexachloroethane	14.114	117	55232	20.94	ug/l	93
91) 1,2-Dichlorobenzene	13.890	146	115843	20.62	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	7895	18.53	ug/l	91
93) 1,2,4-Trichlorobenzene	15.167	180	67493	20.23	ug/l	97
94) Hexachlorobutadiene	15.267	225	41856	21.44	ug/l	97
95) Naphthalene	15.402	128	104027	17.65	ug/l	98
96) 1,2,3-Trichlorobenzene	15.596	180	56380	19.56	ug/l	96

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

