

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022221\
 Data File : VD068412.D
 Acq On : 22 Feb 2021 11:05
 Operator : VA/SY
 Sample : VD0222SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/23/2021 1:04:49 PM

Quant Time: Feb 22 15:16:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	373107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	645222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	583326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	267894	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	196774	51.59	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.18%			
35) Dibromofluoromethane	7.920	113	201620	52.64	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.28%			
50) Toluene-d8	10.338	98	819269	51.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.22%			
62) 4-Bromofluorobenzene	12.632	95	260623	50.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	70287	20.56	ug/l	98
3) Chloromethane	2.209	50	83881	20.61	ug/l	92
4) Vinyl Chloride	2.350	62	99456	20.41	ug/l	98
5) Bromomethane	2.756	94	70955	20.37	ug/l	97
6) Chloroethane	2.920	64	66412	20.87	ug/l	95
7) Trichlorofluoromethane	3.279	101	123564	20.60	ug/l	98
8) Diethyl Ether	3.708	74	35845	20.35	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	76864	21.06	ug/l	94
10) Methyl Iodide	4.303	142	64091	18.70	ug/l	97
11) Tert butyl alcohol	5.226	59	19938	104.26	ug/l #	95
12) 1,1-Dichloroethene	4.067	96	71132	20.05	ug/l	91
13) Acrolein	3.932	56	17720	81.03	ug/l	99
14) Allyl chloride	4.708	41	93620	20.29	ug/l	97
15) Acrylonitrile	5.420	53	77934	102.51	ug/l	98
16) Acetone	4.161	43	65175	110.75	ug/l	93
17) Carbon Disulfide	4.408	76	206868	20.13	ug/l	99
18) Methyl Acetate	4.714	43	29432	18.22	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	158076	19.74	ug/l	93
20) Methylene Chloride	4.961	84	94075	21.26	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	82723	20.14	ug/l	87
22) Diisopropyl ether	6.361	45	209971	20.57	ug/l #	94
23) Vinyl Acetate	6.308	43	521386	98.90	ug/l	97
24) 1,1-Dichloroethane	6.267	63	145255	20.79	ug/l	98
25) 2-Butanone	7.214	43	83217	101.14	ug/l	97
26) 2,2-Dichloropropane	7.208	77	124717	20.87	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	95220	20.40	ug/l	93
28) Bromochloromethane	7.549	49	57529	19.86	ug/l	81
29) Tetrahydrofuran	7.561	42	51310	96.41	ug/l	98
30) Chloroform	7.708	83	152387	20.97	ug/l	94
31) Cyclohexane	7.985	56	130923	22.02	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	129641	20.65	ug/l	95
36) 1,1-Dichloropropene	8.114	75	115658	20.26	ug/l	97
37) Ethyl Acetate	7.297	43	39205	20.33	ug/l	97
38) Carbon Tetrachloride	8.096	117	113515	20.85	ug/l	98
39) Methylcyclohexane	9.355	83	143761	20.53	ug/l	95
40) Benzene	8.349	78	335870	20.63	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	18753m	16.89	ug/l	
42) 1,2-Dichloroethane	8.426	62	90701	20.88	ug/l	99
43) Isopropyl Acetate	8.455	43	72823	19.71	ug/l	98
44) Trichloroethene	9.114	130	92814	20.95	ug/l	95
45) 1,2-Dichloropropane	9.391	63	83333	20.98	ug/l	96
46) Dibromomethane	9.479	93	43048	19.97	ug/l	94
47) Bromodichloromethane	9.661	83	117079	20.95	ug/l	95
48) Methyl methacrylate	9.455	41	37095	20.12	ug/l	93
49) 1,4-Dioxane	9.461	88	8925	354.45	ug/l #	81
51) 4-Methyl-2-Pentanone	10.232	43	187660	98.92	ug/l	98
52) Toluene	10.402	92	215328	20.57	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	110141	21.30	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	128839	20.39	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	60982	20.48	ug/l	96
56) Ethyl methacrylate	10.661	69	70209	19.87	ug/l	98
57) 1,3-Dichloropropane	10.949	76	105747	20.24	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.943	63	194177	102.65	ug/l	92
59) 2-Hexanone	10.985	43	132917	103.65	ug/l	99
60) Dibromochloromethane	11.137	129	75878	20.54	ug/l	99
61) 1,2-Dibromoethane	11.249	107	57265	19.90	ug/l	98
64) Tetrachloroethene	10.879	164	74385	20.72	ug/l	97
65) Chlorobenzene	11.673	112	236760	21.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	80745	20.63	ug/l	97
67) Ethyl Benzene	11.743	91	418761	20.82	ug/l	99
68) m/p-Xylenes	11.849	106	315312	41.49	ug/l	98
69) o-Xylene	12.179	106	146741	21.05	ug/l	94
70) Styrene	12.196	104	250316	20.64	ug/l	99
71) Bromoform	12.361	173	40793	20.29	ug/l #	98
73) Isopropylbenzene	12.479	105	407904	20.85	ug/l	98
74) N-amyl acetate	12.290	43	67229	19.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	68482	20.19	ug/l	97
76) 1,2,3-Trichloropropane	12.784	75	51250m	20.10	ug/l	
77) Bromobenzene	12.761	156	90525	20.71	ug/l	91
78) n-propylbenzene	12.820	91	490123	20.92	ug/l	97
79) 2-Chlorotoluene	12.908	91	266895	20.57	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	332355	20.78	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	19434	19.11	ug/l	96
82) 4-Chlorotoluene	13.002	91	278007	20.27	ug/l	98
83) tert-Butylbenzene	13.220	119	284460	20.51	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	327332	20.55	ug/l	98
85) sec-Butylbenzene	13.402	105	410046	21.14	ug/l	98
86) p-Isopropyltoluene	13.514	119	367947	21.13	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	173188	20.48	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	172245	20.47	ug/l	99
89) n-Butylbenzene	13.843	91	354378	20.85	ug/l	97
90) Hexachloroethane	14.108	117	65226	20.63	ug/l	92
91) 1,2-Dichlorobenzene	13.890	146	150332	20.50	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9774	19.71	ug/l	92
93) 1,2,4-Trichlorobenzene	15.161	180	99635	20.74	ug/l	100
94) Hexachlorobutadiene	15.267	225	57208	21.65	ug/l	98
95) Naphthalene	15.396	128	177885	19.92	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	81657	19.49	ug/l	99

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

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