

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068298.D
 Acq On : 05 Feb 2021 13:36
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:51:29 AM

Quant Time: Feb 05 21:40:54 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	338767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	607204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	547030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	246699	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158206	48.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.64%		
35) Dibromofluoromethane	7.914	113	165281	49.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.48%		
50) Toluene-d8	10.338	98	589269	43.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.76%		
62) 4-Bromofluorobenzene	12.632	95	212342	43.91	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.82%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	77201	19.18	ug/l	94
3) Chloromethane	2.209	50	99067	22.86	ug/l	96
4) Vinyl Chloride	2.350	62	109244	22.66	ug/l	98
5) Bromomethane	2.762	94	77178	23.35	ug/l	92
6) Chloroethane	2.920	64	70358	23.89	ug/l	97
7) Trichlorofluoromethane	3.273	101	128439	20.30	ug/l	95
8) Diethyl Ether	3.709	74	39823	21.38	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	78918	21.39	ug/l	92
10) Methyl Iodide	4.303	142	73759	19.85	ug/l	93
11) Tert butyl alcohol	5.226	59	34897m	74.24	ug/l	
12) 1,1-Dichloroethene	4.067	96	77598	20.91	ug/l	92
13) Acrolein	3.920	56	24024	94.07	ug/l	98
14) Allyl chloride	4.714	41	108792	20.15	ug/l	95
15) Acrylonitrile	5.420	53	86295	116.94	ug/l	99
16) Acetone	4.162	43	60697	104.90	ug/l	92
17) Carbon Disulfide	4.414	76	230081	19.25	ug/l	97
18) Methyl Acetate	4.714	43	36978	24.62	ug/l	90
19) Methyl tert-butyl Ether	5.473	73	181817	21.19	ug/l	94
20) Methylene Chloride	4.967	84	99383	22.39	ug/l	91
21) trans-1,2-Dichloroethene	5.479	96	90128	21.15	ug/l	98
22) Diisopropyl ether	6.361	45	239498	21.99	ug/l #	93
23) Vinyl Acetate	6.308	43	629561	108.42	ug/l	98
24) 1,1-Dichloroethane	6.261	63	157975	22.38	ug/l	98
25) 2-Butanone	7.214	43	95546	109.66	ug/l	99
26) 2,2-Dichloropropane	7.208	77	130935	19.61	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	104085	22.50	ug/l	94
28) Bromochloromethane	7.544	49	55834	23.22	ug/l #	77
29) Tetrahydrofuran	7.561	42	64251	113.76	ug/l	94
30) Chloroform	7.708	83	160498	22.50	ug/l	97
31) Cyclohexane	7.979	56	135092	19.25	ug/l	91
32) 1,1,1-Trichloroethane	7.902	97	134632	20.95	ug/l	95
36) 1,1-Dichloropropene	8.114	75	123982	20.25	ug/l	96
37) Ethyl Acetate	7.297	43	48193	22.25	ug/l #	97
38) Carbon Tetrachloride	8.102	117	113336	19.77	ug/l	92
39) Methylcyclohexane	9.355	83	155089	19.37	ug/l	97
40) Benzene	8.350	78	368211	21.51	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	26901m	20.58	ug/l	
42) 1,2-Dichloroethane	8.426	62	99976	21.85	ug/l	99
43) Isopropyl Acetate	8.450	43	90162	19.97	ug/l	97
44) Trichloroethene	9.114	130	96597	20.54	ug/l	91
45) 1,2-Dichloropropane	9.391	63	94032	22.43	ug/l	91
46) Dibromomethane	9.479	93	47626	22.42	ug/l	92
47) Bromodichloromethane	9.661	83	126171	22.01	ug/l	99
48) Methyl methacrylate	9.455	41	45734	20.36	ug/l	98
49) 1,4-Dioxane	9.461	88	10113	406.22	ug/l #	86
51) 4-Methyl-2-Pentanone	10.232	43	221865	105.74	ug/l	96
52) Toluene	10.408	92	232251	20.82	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	118620	20.44	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	141491	20.49	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	68466	22.74	ug/l	95
56) Ethyl methacrylate	10.661	69	79263	19.76	ug/l	94
57) 1,3-Dichloropropane	10.949	76	116213	21.88	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	215726	116.56	ug/l	91
59) 2-Hexanone	10.985	43	146178	100.50	ug/l	99
60) Dibromochloromethane	11.143	129	81358	21.55	ug/l	100
61) 1,2-Dibromoethane	11.249	107	63858	21.50	ug/l	99
64) Tetrachloroethene	10.879	164	77292	20.05	ug/l	96
65) Chlorobenzene	11.673	112	245458	21.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	85113	20.82	ug/l	97
67) Ethyl Benzene	11.743	91	443197	20.59	ug/l	99
68) m/p-Xylenes	11.855	106	329431	40.55	ug/l	97
69) o-Xylene	12.179	106	155638	20.63	ug/l	95
70) Styrene	12.196	104	270681	21.02	ug/l	100
71) Bromoform	12.361	173	43266	20.88	ug/l #	100
73) Isopropylbenzene	12.479	105	415152	20.22	ug/l	99
74) N-amyl acetate	12.290	43	80357	18.83	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	74241	22.74	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	44751m	18.76	ug/l	
77) Bromobenzene	12.761	156	92984	21.13	ug/l	88
78) n-propylbenzene	12.820	91	501764	20.66	ug/l	96
79) 2-Chlorotoluene	12.908	91	277320	20.34	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	342374	20.03	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	22147	18.79	ug/l	94
82) 4-Chlorotoluene	13.002	91	295233	20.82	ug/l	97
83) tert-Butylbenzene	13.226	119	289162	19.96	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	344641	20.31	ug/l	100
85) sec-Butylbenzene	13.402	105	406151	20.04	ug/l	98
86) p-Isopropyltoluene	13.514	119	367832	19.96	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	177741	21.00	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	177826	21.33	ug/l	99
89) n-Butylbenzene	13.843	91	350647	19.82	ug/l	98
90) Hexachloroethane	14.108	117	66019	19.83	ug/l	91
91) 1,2-Dichlorobenzene	13.890	146	153959	21.24	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	10672	19.97	ug/l	82
93) 1,2,4-Trichlorobenzene	15.161	180	100902	20.31	ug/l	99
94) Hexachlorobutadiene	15.267	225	52144	18.93	ug/l	99
95) Naphthalene	15.402	128	189417	20.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	84778	20.23	ug/l	99

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

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