

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069624.D
 Acq On : 08 Jul 2021 12:48
 Operator : VA/SY
 Sample : VD0708SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:06 PM

Quant Time: Jul 09 01:01:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	601758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1094086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1030085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	474632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	382899	51.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.100%			
35) Dibromofluoromethane	7.909	113	374492	50.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.280%			
50) Toluene-d8	10.338	98	1420561	51.208	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.626	95	493236	54.083	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	100267	17.371	ug/l	100
3) Chloromethane	2.209	50	153111	18.135	ug/l	97
4) Vinyl Chloride	2.350	62	168187	17.870	ug/l	99
5) Bromomethane	2.750	94	113303	18.857	ug/l	95
6) Chloroethane	2.915	64	114107	18.201	ug/l	99
7) Trichlorofluoromethane	3.268	101	229551	20.538	ug/l	97
8) Diethyl Ether	3.709	74	64595	21.848	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	142480	20.842	ug/l	98
10) Methyl Iodide	4.297	142	109216	19.908	ug/l	100
11) Tert butyl alcohol	5.179	59	122976	327.642	ug/l #	83
12) 1,1-Dichloroethene	4.068	96	125178	21.066	ug/l	95
13) Acrolein	3.921	56	29321	70.231	ug/l	98
14) Allyl chloride	4.709	41	195474	23.465	ug/l	90
15) Acrylonitrile	5.415	53	150580	121.328	ug/l	97
16) Acetone	4.156	43	151135	119.710	ug/l	97
17) Carbon Disulfide	4.409	76	382829	19.568	ug/l	99
18) Methyl Acetate	4.715	43	108703	33.793	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	257349	22.036	ug/l	99
20) Methylene Chloride	4.962	84	211462	22.847	ug/l	92
21) trans-1,2-Dichloroethene	5.468	96	151100	21.076	ug/l	98
22) Diisopropyl ether	6.356	45	403094	24.013	ug/l	97
23) Vinyl Acetate	6.303	43	950365	101.261	ug/l	98
24) 1,1-Dichloroethane	6.262	63	295442	22.220	ug/l	99
25) 2-Butanone	7.209	43	190321	118.632	ug/l	94
26) 2,2-Dichloropropane	7.203	77	248881	22.896	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	168725	21.659	ug/l	95
28) Bromochloromethane	7.544	49	116702	22.409	ug/l	92
29) Tetrahydrofuran	7.556	42	105072	119.461	ug/l	96
30) Chloroform	7.709	83	301166	21.427	ug/l	90
31) Cyclohexane	7.979	56	213988	21.188	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	252641	21.812	ug/l	97
36) 1,1-Dichloropropene	8.109	75	214208	19.949	ug/l	98
37) Ethyl Acetate	7.285	43	89096	22.360	ug/l	97
38) Carbon Tetrachloride	8.091	117	210047	19.765	ug/l	95
39) Methylcyclohexane	9.356	83	202908	19.156	ug/l	99
40) Benzene	8.350	78	653019	21.095	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	48118	20.751	ug/l	88
42) 1,2-Dichloroethane	8.420	62	185142	20.586	ug/l	99
43) Isopropyl Acetate	8.450	43	164270	22.693	ug/l	96
44) Trichloroethene	9.108	130	159789	20.456	ug/l	99
45) 1,2-Dichloropropane	9.385	63	179184	22.549	ug/l	96
46) Dibromomethane	9.473	93	85694	20.591	ug/l	98
47) Bromodichloromethane	9.661	83	231700	20.733	ug/l	93
48) Methyl methacrylate	9.456	41	69610	20.242	ug/l	98
49) 1,4-Dioxane	9.456	88	17364	423.546	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	429101	112.722	ug/l	98
52) Toluene	10.397	92	402569	21.075	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	205064	21.223	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	247676	21.316	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	126110	21.458	ug/l	99
56) Ethyl methacrylate	10.655	69	130658	20.516	ug/l	96
57) 1,3-Dichloropropane	10.944	76	213626	21.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	351424	103.684	ug/l	97
59) 2-Hexanone	10.979	43	285848	111.276	ug/l	99
60) Dibromochloromethane	11.132	129	141506	20.429	ug/l	100
61) 1,2-Dibromoethane	11.244	107	113388	20.925	ug/l	99
64) Tetrachloroethene	10.873	164	132404	20.468	ug/l	97
65) Chlorobenzene	11.661	112	420742	20.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	149908	20.126	ug/l	97
67) Ethyl Benzene	11.738	91	726072	20.288	ug/l	100
68) m/p-Xylenes	11.850	106	563306	41.803	ug/l	100
69) o-Xylene	12.173	106	247871	20.520	ug/l	99
70) Styrene	12.191	104	445051	20.917	ug/l	99
71) Bromoform	12.355	173	76300	20.214	ug/l #	96
73) Isopropylbenzene	12.473	105	675186	20.647	ug/l	99
74) N-amyl acetate	12.279	43	143151	21.561	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	138306	21.056	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	100184m	21.503	ug/l	
77) Bromobenzene	12.755	156	153030	20.608	ug/l	92
78) n-propylbenzene	12.814	91	877759	21.385	ug/l	99
79) 2-Chlorotoluene	12.902	91	502644	21.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	583869	21.216	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	38377	20.567	ug/l	98
82) 4-Chlorotoluene	12.997	91	543880	21.634	ug/l	98
83) tert-Butylbenzene	13.214	119	477785	20.605	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	577497	21.109	ug/l	99
85) sec-Butylbenzene	13.391	105	718834	20.950	ug/l	100
86) p-Isopropyltoluene	13.508	119	605928	20.979	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	312347	20.538	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	314828	20.778	ug/l	99
89) n-Butylbenzene	13.832	91	592050	20.549	ug/l	98
90) Hexachloroethane	14.102	117	115981	20.543	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	273457	20.785	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20958	21.029	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	152199	20.737	ug/l	100
94) Hexachlorobutadiene	15.255	225	89851	19.512	ug/l	98
95) Naphthalene	15.391	128	258738	19.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	130936	20.240	ug/l	100

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

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