

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069824.D
 Acq On : 23 Jul 2021 13:01
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2021 5:19:03 PM

Quant Time: Jul 24 01:33:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	618507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1095838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1022770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	480575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	366235	51.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.980%	
35) Dibromofluoromethane	7.914	113	369405	53.474	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.940%	
50) Toluene-d8	10.338	98	1414167	53.089	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	12.626	95	469536	52.743	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	126358	19.410	ug/l	97
3) Chloromethane	2.209	50	182046	19.277	ug/l	100
4) Vinyl Chloride	2.344	62	199529	20.088	ug/l	95
5) Bromomethane	2.750	94	131874	21.411	ug/l	100
6) Chloroethane	2.915	64	128704	19.991	ug/l	98
7) Trichlorofluoromethane	3.268	101	240736	19.633	ug/l	100
8) Diethyl Ether	3.703	74	68034	19.726	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	144820	18.596	ug/l	99
10) Methyl Iodide	4.297	142	138601	20.240	ug/l	99
11) Tert butyl alcohol	5.220	59	36853	100.123	ug/l	97
12) 1,1-Dichloroethene	4.062	96	141729	20.028	ug/l	94
13) Acrolein	3.920	56	53383	103.606	ug/l	99
14) Allyl chloride	4.709	41	202703	19.537	ug/l	99
15) Acrylonitrile	5.426	53	161448	99.507	ug/l	99
16) Acetone	4.156	43	121647	94.667	ug/l	94
17) Carbon Disulfide	4.403	76	495936	19.600	ug/l	100
18) Methyl Acetate	4.715	43	69747	18.707	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	286928	19.569	ug/l	99
20) Methylene Chloride	4.962	84	247504	23.207	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	168430	20.199	ug/l	97
22) Diisopropyl ether	6.367	45	464464	20.601	ug/l	97
23) Vinyl Acetate	6.309	43	1098134	101.686	ug/l	97
24) 1,1-Dichloroethane	6.261	63	308498	19.811	ug/l	99
25) 2-Butanone	7.208	43	170179	97.657	ug/l	93
26) 2,2-Dichloropropane	7.208	77	246272	20.798	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	178633	20.076	ug/l	97
28) Bromochloromethane	7.544	49	122823	20.774	ug/l	99
29) Tetrahydrofuran	7.561	42	111760	99.129	ug/l	98
30) Chloroform	7.708	83	306264	19.562	ug/l	94
31) Cyclohexane	7.985	56	255870	18.409	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	260781	20.123	ug/l	99
36) 1,1-Dichloropropene	8.114	75	232096	19.626	ug/l	99
37) Ethyl Acetate	7.291	43	86033	19.984	ug/l	96
38) Carbon Tetrachloride	8.097	117	216280	20.022	ug/l	99
39) Methylcyclohexane	9.355	83	238360	17.599	ug/l	99
40) Benzene	8.350	78	682535	19.922	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	47888	21.196	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	182542	20.147	ug/l	100
43) Isopropyl Acetate	8.450	43	147940	19.160	ug/l	98
44) Trichloroethene	9.108	130	165345	19.597	ug/l	97
45) 1,2-Dichloropropane	9.385	63	180102	20.013	ug/l	98
46) Dibromomethane	9.473	93	89878	20.318	ug/l	98
47) Bromodichloromethane	9.661	83	230638	20.068	ug/l	99
48) Methyl methacrylate	9.455	41	68229	18.431	ug/l	87
49) 1,4-Dioxane	9.461	88	19217	411.187	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	407437	101.404	ug/l	98
52) Toluene	10.402	92	429349	20.659	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	201561	20.894	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	253871	21.737	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	123475	19.762	ug/l	96
56) Ethyl methacrylate	10.655	69	131562	19.600	ug/l	95
57) 1,3-Dichloropropane	10.944	76	212745	20.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	300178	101.841	ug/l	99
59) 2-Hexanone	10.979	43	267290	100.572	ug/l	98
60) Dibromochloromethane	11.138	129	142493	20.137	ug/l	98
61) 1,2-Dibromoethane	11.244	107	112657	20.027	ug/l	98
64) Tetrachloroethene	10.873	164	132763	20.364	ug/l	97
65) Chlorobenzene	11.667	112	431845	20.380	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	156560	20.539	ug/l	98
67) Ethyl Benzene	11.738	91	756248	20.272	ug/l	98
68) m/p-Xylenes	11.849	106	598647	41.395	ug/l	99
69) o-Xylene	12.173	106	261096	19.859	ug/l	100
70) Styrene	12.191	104	474185	20.812	ug/l	99
71) Bromoform	12.355	173	71376	19.281	ug/l #	94
73) Isopropylbenzene	12.473	105	693275	20.078	ug/l	100
74) N-amyl acetate	12.279	43	142666	20.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	136195	19.750	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	95507m	18.697	ug/l	
77) Bromobenzene	12.755	156	157522	20.255	ug/l	97
78) n-propylbenzene	12.814	91	909065	20.498	ug/l	100
79) 2-Chlorotoluene	12.896	91	516159	20.037	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	603551	20.433	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	39852	23.668	ug/l	95
82) 4-Chlorotoluene	12.996	91	555231	20.616	ug/l	99
83) tert-Butylbenzene	13.214	119	474427	19.755	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	595257	20.427	ug/l	100
85) sec-Butylbenzene	13.391	105	769539	20.269	ug/l	100
86) p-Isopropyltoluene	13.508	119	616460	19.986	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	328500	20.119	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	327995	20.154	ug/l	100
89) n-Butylbenzene	13.832	91	588492	19.333	ug/l	100
90) Hexachloroethane	14.102	117	130705	20.005	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	284060	20.157	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	19217	19.353	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	153837	20.233	ug/l	99
94) Hexachlorobutadiene	15.255	225	92765	19.945	ug/l	97
95) Naphthalene	15.385	128	258748	19.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	130784	19.890	ug/l	99

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

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