

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069805.D
 Acq On : 22 Jul 2021 12:06
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:15:21 PM

Quant Time: Jul 23 04:29:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:26:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	632482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1106087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1071875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	495125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	714574	98.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 196.480%#	
35) Dibromofluoromethane	7.914	113	710726	101.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 203.860%#	
50) Toluene-d8	10.338	98	2814993	104.699	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 209.400%#	
62) 4-Bromofluorobenzene	12.626	95	973597	108.351	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 216.700%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	603644	90.676	ug/l	99
3) Chloromethane	2.209	50	881810	91.314	ug/l	99
4) Vinyl Chloride	2.344	62	956371	94.158	ug/l	99
5) Bromomethane	2.750	94	584057	87.791	ug/l	100
6) Chloroethane	2.909	64	624193	94.812	ug/l	94
7) Trichlorofluoromethane	3.267	101	1178457	93.984	ug/l	98
8) Diethyl Ether	3.708	74	383233	108.659	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	749967	94.176	ug/l	99
10) Methyl Iodide	4.297	142	825419	118.632	ug/l	99
11) Tert butyl alcohol	5.220	59	187518	498.733	ug/l	99
12) 1,1-Dichloroethene	4.067	96	722803	99.883	ug/l	98
13) Acrolein	3.920	56	286166	543.120	ug/l	99
14) Allyl chloride	4.708	41	1150188	108.409	ug/l	99
15) Acrylonitrile	5.420	53	899816	542.341	ug/l	99
16) Acetone	4.156	43	632431	481.287	ug/l	99
17) Carbon Disulfide	4.403	76	2489209	96.203	ug/l	100
18) Methyl Acetate	4.714	43	381193	99.980	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	1688203	112.597	ug/l	99
20) Methylene Chloride	4.961	84	909461	75.990	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	857739	100.590	ug/l	96
22) Diisopropyl ether	6.361	45	2516492	109.152	ug/l	98
23) Vinyl Acetate	6.302	43	6760425	611.957	ug/l	98
24) 1,1-Dichloroethane	6.261	63	1549922	97.332	ug/l	99
25) 2-Butanone	7.214	43	988531	554.732	ug/l	100
26) 2,2-Dichloropropane	7.208	77	1214944	100.338	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	955379	105.000	ug/l	97
28) Bromochloromethane	7.544	49	579779	95.896	ug/l	99
29) Tetrahydrofuran	7.561	42	675192	585.648	ug/l	98
30) Chloroform	7.708	83	1533919	95.809	ug/l	95
31) Cyclohexane	7.985	56	1429110	100.550	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	1294439	97.678	ug/l	100
36) 1,1-Dichloropropene	8.108	75	1212048	101.542	ug/l	100
37) Ethyl Acetate	7.291	43	477562	109.900	ug/l	99
38) Carbon Tetrachloride	8.097	117	1108086	101.629	ug/l	100
39) Methylcyclohexane	9.355	83	1529452	111.879	ug/l	96
40) Benzene	8.349	78	3493072	101.011	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	249094	114.893	ug/l	96
42) 1,2-Dichloroethane	8.426	62	906806	99.154	ug/l	99
43) Isopropyl Acetate	8.449	43	859988	110.347	ug/l	100
44) Trichloroethene	9.108	130	843312	99.025	ug/l	98
45) 1,2-Dichloropropane	9.385	63	912477	100.456	ug/l	99
46) Dibromomethane	9.473	93	448987	100.558	ug/l	98
47) Bromodichloromethane	9.655	83	1177659	101.519	ug/l	99
48) Methyl methacrylate	9.455	41	439430	117.200	ug/l	99
49) 1,4-Dioxane	9.455	88	105283	2231.871	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	2327143	573.817	ug/l	99
52) Toluene	10.402	92	2222490	105.947	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	1009676	103.693	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	1260901	106.960	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	630987	100.054	ug/l	98
56) Ethyl methacrylate	10.655	69	830320	120.252	ug/l	98
57) 1,3-Dichloropropane	10.943	76	1130058	105.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1830557	618.885	ug/l	98
59) 2-Hexanone	10.979	43	1579747	588.894	ug/l	98
60) Dibromochloromethane	11.138	129	731494	102.418	ug/l	100
61) 1,2-Dibromoethane	11.243	107	594885	104.770	ug/l	100
64) Tetrachloroethene	10.873	164	665592	97.414	ug/l	98
65) Chlorobenzene	11.667	112	2252040	101.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	802000	100.392	ug/l	98
67) Ethyl Benzene	11.737	91	4227996	108.142	ug/l	99
68) m/p-Xylenes	11.849	106	3262627	215.266	ug/l	98
69) o-Xylene	12.173	106	1531348	111.138	ug/l	100
70) Styrene	12.190	104	2658063	111.316	ug/l	100
71) Bromoform	12.355	173	398335	102.674	ug/l	99
73) Isopropylbenzene	12.473	105	3966497	111.496	ug/l	100
74) N-amyl acetate	12.279	43	856667	117.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	728752	102.575	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	508244m	131.478	ug/l	
77) Bromobenzene	12.755	156	841708	105.049	ug/l	100
78) n-propylbenzene	12.814	91	5037256	110.243	ug/l	100
79) 2-Chlorotoluene	12.902	91	2841881	107.077	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	3389892	111.391	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	201709	116.275	ug/l	99
82) 4-Chlorotoluene	12.996	91	2961501	106.732	ug/l	99
83) tert-Butylbenzene	13.214	119	2795082	112.967	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	3355091	111.753	ug/l	99
85) sec-Butylbenzene	13.390	105	4366808	111.640	ug/l	100
86) p-Isopropyltoluene	13.508	119	3580007	112.657	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	1729067	102.785	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	1692984	100.972	ug/l	100
89) n-Butylbenzene	13.832	91	3530195	112.564	ug/l	98
90) Hexachloroethane	14.102	117	686616	102.001	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	1492586	102.801	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	108505	106.062	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	889985	113.611	ug/l	98
94) Hexachlorobutadiene	15.255	225	500168	104.377	ug/l	99
95) Naphthalene	15.384	128	1721458	123.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	769495	113.587	ug/l	100

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

