

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069622.D
 Acq On : 08 Jul 2021 10:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:04 PM

Quant Time: Jul 09 01:00:17 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	7.979	168	603911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1015466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	962686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	453699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	359526	47.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.520%
35) Dibromofluoromethane	7.914	113	345277	50.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.338	98	1333091	51.775	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.560%
62) 4-Bromofluorobenzene	12.626	95	463737	54.785	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	262170	45.260	ug/l	98
3) Chloromethane	2.209	50	359717	42.454	ug/l	97
4) Vinyl Chloride	2.350	62	407864	43.182	ug/l	98
5) Bromomethane	2.762	94	250391	44.021	ug/l	96
6) Chloroethane	2.920	64	271263	43.115	ug/l	95
7) Trichlorofluoromethane	3.267	101	556758	49.636	ug/l	97
8) Diethyl Ether	3.703	74	149035	50.229	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	345639	50.380	ug/l	98
10) Methyl Iodide	4.297	142	273715	43.815	ug/l	99
11) Tert butyl alcohol	5.208	59	153710	421.099	ug/l #	96
12) 1,1-Dichloroethene	4.067	96	300316	50.359	ug/l	98
13) Acrolein	3.926	56	81601	194.758	ug/l	99
14) Allyl chloride	4.714	41	452010	54.066	ug/l	92
15) Acrylonitrile	5.420	53	343466	275.758	ug/l	99
16) Acetone	4.156	43	373681	294.929	ug/l	98
17) Carbon Disulfide	4.408	76	943588	48.058	ug/l	99
18) Methyl Acetate	4.708	43	176619	56.510	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	607623	51.845	ug/l	99
20) Methylene Chloride	4.961	84	414879	51.648	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	369412	51.343	ug/l	98
22) Diisopropyl ether	6.355	45	976520	57.965	ug/l	96
23) Vinyl Acetate	6.303	43	2720706	253.639	ug/l	100
24) 1,1-Dichloroethane	6.261	63	697233	52.251	ug/l	99
25) 2-Butanone	7.208	43	468562	291.025	ug/l	96
26) 2,2-Dichloropropane	7.202	77	588888	53.982	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	409176	52.339	ug/l	98
28) Bromochloromethane	7.544	49	287473	55.005	ug/l	94
29) Tetrahydrofuran	7.555	42	257040	291.199	ug/l	95
30) Chloroform	7.702	83	727878	51.601	ug/l	94
31) Cyclohexane	7.979	56	509910	50.310	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	608451	52.344	ug/l	96
36) 1,1-Dichloropropene	8.108	75	535461	53.728	ug/l	100
37) Ethyl Acetate	7.291	43	205315	55.515	ug/l	98
38) Carbon Tetrachloride	8.091	117	525673	53.295	ug/l	99
39) Methylcyclohexane	9.355	83	522164	53.114	ug/l	98
40) Benzene	8.349	78	1562760	54.392	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	106427	49.450	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	430750	51.603	ug/l	100
43) Isopropyl Acetate	8.449	43	368982	54.919	ug/l	98
44) Trichloroethene	9.108	130	367504	50.690	ug/l	95
45) 1,2-Dichloropropane	9.385	63	409838	55.568	ug/l	100
46) Dibromomethane	9.473	93	206201	53.382	ug/l	97
47) Bromodichloromethane	9.661	83	549682	52.994	ug/l	98
48) Methyl methacrylate	9.455	41	173558	54.377	ug/l	99
49) 1,4-Dioxane	9.455	88	42248	1110.307	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	1051623	297.644	ug/l	98
52) Toluene	10.402	92	970671	54.750	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	479527	53.470	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	575032	53.320	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	291600	53.459	ug/l	98
56) Ethyl methacrylate	10.655	69	327949	51.082	ug/l	96
57) 1,3-Dichloropropane	10.943	76	501966	54.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	908399	269.841	ug/l	98
59) 2-Hexanone	10.979	43	740035	310.387	ug/l	99
60) Dibromochloromethane	11.138	129	343235	53.388	ug/l	99
61) 1,2-Dibromoethane	11.243	107	267075	53.103	ug/l	99
64) Tetrachloroethene	10.873	164	302285	50.001	ug/l	98
65) Chlorobenzene	11.667	112	995773	52.007	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	365293	52.477	ug/l	99
67) Ethyl Benzene	11.738	91	1847746	55.244	ug/l	100
68) m/p-Xylenes	11.849	106	1413544	112.243	ug/l	99
69) o-Xylene	12.173	106	621355	55.041	ug/l	99
70) Styrene	12.185	104	1132054	56.931	ug/l	99
71) Bromoform	12.355	173	185065	52.461	ug/l #	97
73) Isopropylbenzene	12.473	105	1714172	54.837	ug/l	100
74) N-amyl acetate	12.279	43	361469	56.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	330945	52.709	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	238484m	53.548	ug/l	
77) Bromobenzene	12.755	156	368496	51.913	ug/l	94
78) n-propylbenzene	12.814	91	2203776	56.169	ug/l	100
79) 2-Chlorotoluene	12.902	91	1225205	54.662	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1478148	56.190	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	94512	52.987	ug/l	98
82) 4-Chlorotoluene	12.996	91	1317565	54.827	ug/l	99
83) tert-Butylbenzene	13.214	119	1180381	50.097	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1483066	56.711	ug/l	98
85) sec-Butylbenzene	13.390	105	1836478	55.992	ug/l	100
86) p-Isopropyltoluene	13.508	119	1567564	56.779	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	773817	53.228	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	751510	51.887	ug/l	99
89) n-Butylbenzene	13.832	91	1537620	55.830	ug/l	99
90) Hexachloroethane	14.102	117	283792	52.586	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	655474	52.120	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	49578	52.042	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	367385	52.367	ug/l	99
94) Hexachlorobutadiene	15.255	225	230992	52.476	ug/l	99
95) Naphthalene	15.390	128	666856	47.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	325737	52.675	ug/l	99

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

