

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069821.D
 Acq On : 23 Jul 2021 11:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2021 5:19:00 PM

Quant Time: Jul 24 01:32:26 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	599234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1030979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1007995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	476058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	346171	50.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.460%			
35) Dibromofluoromethane	7.914	113	350034	53.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.720%			
50) Toluene-d8	10.337	98	1352979	53.988	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.626	95	458759	54.774	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	283819	44.999	ug/l	100
3) Chloromethane	2.208	50	420564	45.967	ug/l	97
4) Vinyl Chloride	2.344	62	455253	47.308	ug/l	100
5) Bromomethane	2.761	94	287448	50.657	ug/l	99
6) Chloroethane	2.920	64	298033	47.782	ug/l	95
7) Trichlorofluoromethane	3.267	101	567147	47.740	ug/l	98
8) Diethyl Ether	3.708	74	169063	50.594	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	362764	48.081	ug/l	98
10) Methyl Iodide	4.297	142	325290	44.106	ug/l	99
11) Tert butyl alcohol	5.220	59	78531	220.216	ug/l	97
12) 1,1-Dichloroethene	4.067	96	337092	49.167	ug/l	99
13) Acrolein	3.926	56	118968	238.320	ug/l	97
14) Allyl chloride	4.714	41	504611	50.200	ug/l	98
15) Acrylonitrile	5.420	53	404004	257.014	ug/l	98
16) Acetone	4.161	43	326448	262.215	ug/l	98
17) Carbon Disulfide	4.408	76	1180145	48.141	ug/l	99
18) Methyl Acetate	4.720	43	172474	47.747	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	736010	51.813	ug/l	98
20) Methylene Chloride	4.961	84	456941	50.773	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	403418	49.935	ug/l	95
22) Diisopropyl ether	6.361	45	1163865	53.283	ug/l	97
23) Vinyl Acetate	6.302	43	2888058	241.143	ug/l	99
24) 1,1-Dichloroethane	6.261	63	743331	49.270	ug/l	100
25) 2-Butanone	7.208	43	444236	263.123	ug/l	100
26) 2,2-Dichloropropane	7.208	77	571606	49.826	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	439738	51.010	ug/l	98
28) Bromochloromethane	7.543	49	300482	52.458	ug/l	98
29) Tetrahydrofuran	7.561	42	297200	272.088	ug/l	99
30) Chloroform	7.708	83	752693	49.622	ug/l	90
31) Cyclohexane	7.985	56	651667	48.394	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	616325	49.088	ug/l	98
36) 1,1-Dichloropropene	8.108	75	573356	51.533	ug/l	100
37) Ethyl Acetate	7.291	43	210343	51.932	ug/l	99
38) Carbon Tetrachloride	8.096	117	528538	52.007	ug/l	99
39) Methylcyclohexane	9.355	83	671554	52.703	ug/l	99
40) Benzene	8.349	78	1691241	52.470	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	121736	57.272	ug/l	90
42) 1,2-Dichloroethane	8.420	62	436730	51.233	ug/l	98
43) Isopropyl Acetate	8.449	43	380181	52.336	ug/l	99
44) Trichloroethene	9.114	130	403055	50.776	ug/l	95
45) 1,2-Dichloropropane	9.385	63	442395	52.252	ug/l	98
46) Dibromomethane	9.473	93	216969	52.134	ug/l	98
47) Bromodichloromethane	9.661	83	560543	51.841	ug/l	100
48) Methyl methacrylate	9.449	41	194831	50.352	ug/l	100
49) 1,4-Dioxane	9.455	88	46735	1062.901	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	1044297	276.258	ug/l	99
52) Toluene	10.396	92	1053952	53.902	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	476133	52.461	ug/l	93
54) cis-1,3-Dichloropropene	10.084	75	552929	50.321	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	302759	51.505	ug/l	97
56) Ethyl methacrylate	10.655	69	359373	49.491	ug/l	97
57) 1,3-Dichloropropane	10.943	76	529253	53.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	795386	248.918	ug/l	99
59) 2-Hexanone	10.979	43	709168	283.621	ug/l	100
60) Dibromochloromethane	11.131	129	354683	53.278	ug/l	99
61) 1,2-Dibromoethane	11.237	107	278665	52.653	ug/l	99
64) Tetrachloroethene	10.873	164	319930	49.791	ug/l	98
65) Chlorobenzene	11.667	112	1067104	51.098	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.737	131	379746	50.548	ug/l	99
67) Ethyl Benzene	11.737	91	1954826	53.168	ug/l	97
68) m/p-Xylenes	11.849	106	1543301	108.279	ug/l	98
69) o-Xylene	12.173	106	691949	53.401	ug/l	99
70) Styrene	12.184	104	1234398	54.971	ug/l	100
71) Bromoform	12.355	173	189228	51.866	ug/l #	99
73) Isopropylbenzene	12.473	105	1812740	52.996	ug/l	100
74) N-amyl acetate	12.278	43	375277	53.339	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	341542	49.999	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	241531m	47.732	ug/l	
77) Bromobenzene	12.755	156	396151	51.422	ug/l	99
78) n-propylbenzene	12.814	91	2338853	53.237	ug/l	100
79) 2-Chlorotoluene	12.902	91	1319932	51.725	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1563524	53.435	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	85721	51.393	ug/l	95
82) 4-Chlorotoluene	12.996	91	1375501	51.558	ug/l	99
83) tert-Butylbenzene	13.214	119	1253929	52.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1545467	53.539	ug/l	100
85) sec-Butylbenzene	13.390	105	1996086	53.075	ug/l	100
86) p-Isopropyltoluene	13.508	119	1638504	53.626	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	818694	50.617	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	800877	49.679	ug/l	99
89) n-Butylbenzene	13.831	91	1591273	52.772	ug/l	99
90) Hexachloroethane	14.102	117	318404	49.196	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	700920	50.209	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	49404	50.226	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	393804	52.284	ug/l	98
94) Hexachlorobutadiene	15.255	225	237900	51.634	ug/l	99
95) Naphthalene	15.390	128	705982	45.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	337557	51.823	ug/l	99

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

