

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069602.D
 Acq On : 07 Jul 2021 10:27
 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
 7/8/2021 6:06:58 PM

Quant Time: Jul 08 01:03:46 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	607508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1008589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	972636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	459585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	370694	48.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.900%		
35) Dibromofluoromethane	7.914	113	365655	53.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.260%		
50) Toluene-d8	10.337	98	1385220	54.166	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.340%		
62) 4-Bromofluorobenzene	12.625	95	471178	56.043	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	258175	44.306	ug/l	94
3) Chloromethane	2.208	50	367394	43.104	ug/l	99
4) Vinyl Chloride	2.350	62	403991	42.519	ug/l	99
5) Bromomethane	2.767	94	250222	43.717	ug/l	97
6) Chloroethane	2.920	64	269557	42.591	ug/l	95
7) Trichlorofluoromethane	3.273	101	551775	48.901	ug/l	97
8) Diethyl Ether	3.702	74	148874	49.878	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	341044	49.416	ug/l	97
10) Methyl Iodide	4.297	142	263279	42.068	ug/l	99
11) Tert butyl alcohol	5.208	59	164596	451.676	ug/l	97
12) 1,1-Dichloroethene	4.067	96	293156	48.867	ug/l	97
13) Acrolein	3.920	56	89416	212.146	ug/l	97
14) Allyl chloride	4.708	41	451425	53.676	ug/l	92
15) Acrylonitrile	5.420	53	347317	277.198	ug/l	99
16) Acetone	4.155	43	380472	298.510	ug/l	93
17) Carbon Disulfide	4.408	76	950625	48.130	ug/l	97
18) Methyl Acetate	4.714	43	173318	55.054	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	617841	52.404	ug/l	99
20) Methylene Chloride	4.961	84	408734	50.430	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	363150	50.174	ug/l	94
22) Diisopropyl ether	6.361	45	968244	57.134	ug/l	96
23) Vinyl Acetate	6.302	43	2739203	253.836	ug/l	100
24) 1,1-Dichloroethane	6.261	63	687903	51.247	ug/l	99
25) 2-Butanone	7.208	43	470005	290.192	ug/l	95
26) 2,2-Dichloropropane	7.202	77	582627	53.092	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	397987	50.606	ug/l	97
28) Bromochloromethane	7.543	49	292727	55.678	ug/l	96
29) Tetrahydrofuran	7.555	42	255087	287.275	ug/l	98
30) Chloroform	7.708	83	713833	50.306	ug/l	98
31) Cyclohexane	7.979	56	495671	48.615	ug/l	97
32) 1,1,1-Trichloroethane	7.896	97	593910	50.791	ug/l	97
36) 1,1-Dichloropropene	8.108	75	531719	53.716	ug/l	99
37) Ethyl Acetate	7.285	43	208892	56.868	ug/l	97
38) Carbon Tetrachloride	8.090	117	507481	51.801	ug/l	99
39) Methylcyclohexane	9.355	83	509735	52.203	ug/l	99
40) Benzene	8.349	78	1551782	54.378	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	123496	57.772	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	434249	52.377	ug/l	100
43) Isopropyl Acetate	8.449	43	374340	56.096	ug/l	98
44) Trichloroethene	9.108	130	365434	50.748	ug/l	98
45) 1,2-Dichloropropane	9.384	63	406945	55.552	ug/l	100
46) Dibromomethane	9.473	93	204215	53.229	ug/l	99
47) Bromodichloromethane	9.655	83	540433	52.458	ug/l	99
48) Methyl methacrylate	9.455	41	179449	56.606	ug/l	95
49) 1,4-Dioxane	9.455	88	44987	1190.351	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	1050403	299.325	ug/l	99
52) Toluene	10.402	92	956333	54.310	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	468003	52.541	ug/l	98
54) cis-1,3-Dichloropropene	10.084	75	571050	53.312	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	286894	52.955	ug/l	98
56) Ethyl methacrylate	10.655	69	328869	51.550	ug/l	97
57) 1,3-Dichloropropane	10.943	76	504793	55.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	963748	287.512	ug/l	98
59) 2-Hexanone	10.979	43	736949	311.200	ug/l	100
60) Dibromochloromethane	11.131	129	338561	53.020	ug/l	99
61) 1,2-Dibromoethane	11.243	107	264839	53.018	ug/l	98
64) Tetrachloroethene	10.873	164	299865	49.093	ug/l	99
65) Chlorobenzene	11.667	112	976665	50.487	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	362672	51.567	ug/l	99
67) Ethyl Benzene	11.737	91	1792072	53.032	ug/l	99
68) m/p-Xylenes	11.849	106	1375978	108.142	ug/l	99
69) o-Xylene	12.173	106	607126	53.230	ug/l	99
70) Styrene	12.190	104	1109695	55.236	ug/l	99
71) Bromoform	12.355	173	179877	50.469	ug/l #	99
73) Isopropylbenzene	12.473	105	1663842	52.545	ug/l	100
74) N-amyl acetate	12.284	43	354516	55.143	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	328409	51.635	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	234923m	52.073	ug/l	
77) Bromobenzene	12.755	156	365341	50.809	ug/l	93
78) n-propylbenzene	12.814	91	2146838	54.017	ug/l	100
79) 2-Chlorotoluene	12.902	91	1204193	53.036	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1444523	54.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	93586	51.796	ug/l	97
82) 4-Chlorotoluene	12.996	91	1281440	52.641	ug/l	99
83) tert-Butylbenzene	13.214	119	1138693	47.804	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1445938	54.583	ug/l	99
85) sec-Butylbenzene	13.390	105	1768844	53.239	ug/l	100
86) p-Isopropyltoluene	13.508	119	1515868	54.203	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	756642	51.380	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	736180	50.178	ug/l	99
89) n-Butylbenzene	13.831	91	1489317	53.384	ug/l	100
90) Hexachloroethane	14.102	117	279396	51.108	ug/l	96
91) 1,2-Dichlorobenzene	13.878	146	641605	50.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	49213	50.997	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	364252	51.255	ug/l	99
94) Hexachlorobutadiene	15.255	225	219490	49.224	ug/l	99
95) Naphthalene	15.390	128	674739	47.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	322077	51.416	ug/l	99

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

