

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070342.D
 Acq On : 14 Sep 2021 09:53
 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
 9/15/2021 5:31:20 PM

Quant Time: Sep 15 02:44:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	416564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	688752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	680330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	333892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242547	45.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.700%		
35) Dibromofluoromethane	7.909	113	240645	49.085	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.160%		
50) Toluene-d8	10.332	98	905935	50.894	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.626	95	311810	50.123	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	196909	47.020	ug/l	97
3) Chloromethane	2.209	50	252833	44.415	ug/l	98
4) Vinyl Chloride	2.350	62	274936	41.949	ug/l	95
5) Bromomethane	2.762	94	188910	47.172	ug/l	100
6) Chloroethane	2.915	64	185541	46.511	ug/l	92
7) Trichlorofluoromethane	3.273	101	383980	44.294	ug/l	97
8) Diethyl Ether	3.709	74	97633	40.741	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	244634	45.430	ug/l	99
10) Methyl Iodide	4.297	142	211412	41.196	ug/l	98
11) Tert butyl alcohol	5.209	59	81765	135.199	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	209065	43.109	ug/l	96
13) Acrolein	3.921	56	74217	279.120	ug/l	94
14) Allyl chloride	4.709	41	297005	41.676	ug/l	96
15) Acrylonitrile	5.415	53	254280	222.700	ug/l	99
16) Acetone	4.156	43	257510	269.660	ug/l	92
17) Carbon Disulfide	4.409	76	759502	42.446	ug/l	98
18) Methyl Acetate	4.715	43	120700	45.931	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	461211	44.007	ug/l	96
20) Methylene Chloride	4.956	84	288336	48.194	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	257117	44.538	ug/l	99
22) Diisopropyl ether	6.362	45	692380	45.392	ug/l	98
23) Vinyl Acetate	6.303	43	1641403	232.285	ug/l	96
24) 1,1-Dichloroethane	6.256	63	456614	42.308	ug/l	98
25) 2-Butanone	7.209	43	295421	232.399	ug/l	98
26) 2,2-Dichloropropane	7.203	77	389468	44.645	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	271762	43.822	ug/l	99
28) Bromochloromethane	7.544	49	190117	44.397	ug/l	92
29) Tetrahydrofuran	7.561	42	191202	234.311	ug/l	94
30) Chloroform	7.709	83	478740	43.268	ug/l	99
31) Cyclohexane	7.979	56	409115	44.403	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	407657	43.773	ug/l	97
36) 1,1-Dichloropropene	8.109	75	360628	48.986	ug/l	98
37) Ethyl Acetate	7.291	43	143169	52.007	ug/l #	93
38) Carbon Tetrachloride	8.091	117	356542	48.969	ug/l	99
39) Methylcyclohexane	9.350	83	420526	51.132	ug/l	96
40) Benzene	8.344	78	1043506	48.369	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	68930	47.591	ug/l	93
42) 1,2-Dichloroethane	8.420	62	281488	48.715	ug/l	99
43) Isopropyl Acetate	8.450	43	240565	47.262	ug/l	98
44) Trichloroethene	9.108	130	241383	46.815	ug/l	91
45) 1,2-Dichloropropane	9.385	63	273964	48.402	ug/l	96
46) Dibromomethane	9.473	93	145777	50.014	ug/l	96
47) Bromodichloromethane	9.656	83	362316	48.725	ug/l	93
48) Methyl methacrylate	9.456	41	119233	50.734	ug/l	94
49) 1,4-Dioxane	9.461	88	30675	1050.746	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	696574	264.466	ug/l	97
52) Toluene	10.397	92	661758	50.765	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	315476	49.321	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	370319	47.572	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	201689	50.301	ug/l	97
56) Ethyl methacrylate	10.655	69	225249	51.460	ug/l	95
57) 1,3-Dichloropropane	10.938	76	335520	49.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	554016	262.602	ug/l	97
59) 2-Hexanone	10.979	43	497867	283.309	ug/l	97
60) Dibromochloromethane	11.132	129	232295	49.781	ug/l	99
61) 1,2-Dibromoethane	11.238	107	182894	49.597	ug/l	99
64) Tetrachloroethene	10.867	164	208673	50.378	ug/l	98
65) Chlorobenzene	11.661	112	664878	47.175	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	250813	48.589	ug/l	98
67) Ethyl Benzene	11.738	91	1211607	49.847	ug/l	98
68) m/p-Xylenes	11.844	106	973151	103.663	ug/l	99
69) o-Xylene	12.173	106	422373	50.222	ug/l	96
70) Styrene	12.185	104	780154	53.102	ug/l	99
71) Bromoform	12.355	173	127849	50.113	ug/l #	98
73) Isopropylbenzene	12.473	105	1142220	48.780	ug/l	100
74) N-amyl acetate	12.279	43	238812	46.809	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	228214	45.505	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	154758m	45.822	ug/l	
77) Bromobenzene	12.749	156	248960	46.084	ug/l	97
78) n-propylbenzene	12.814	91	1497758	49.282	ug/l	99
79) 2-Chlorotoluene	12.897	91	829276	46.813	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	992383	49.107	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	64622	47.942	ug/l	97
82) 4-Chlorotoluene	12.996	91	895562	47.921	ug/l	99
83) tert-Butylbenzene	13.214	119	789000	48.681	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	998934	50.197	ug/l	100
85) sec-Butylbenzene	13.391	105	1281795	49.753	ug/l	100
86) p-Isopropyltoluene	13.502	119	1052420	50.843	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	533094	47.398	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	519501	46.017	ug/l	100
89) n-Butylbenzene	13.832	91	1023154	49.576	ug/l	98
90) Hexachloroethane	14.096	117	217358	45.871	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	453999	45.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	33314	44.355	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	250033	46.658	ug/l	98
94) Hexachlorobutadiene	15.249	225	151859	46.200	ug/l	97
95) Naphthalene	15.385	128	456272	46.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	217387	45.977	ug/l	100

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

