

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070340.D
 Acq On : 13 Sep 2021 21:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/14/2021 10:45:29 AM

Quant Time: Sep 14 00:57:50 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	7.979	168	366439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	680646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	676205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	317937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	244145	51.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.908	113	248388	51.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.540%			
50) Toluene-d8	10.338	98	949551	53.980	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.626	95	323954	52.695	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	176829	48.103	ug/l	97
3) Chloromethane	2.209	50	275435	56.054	ug/l	99
4) Vinyl Chloride	2.344	62	273104	47.369	ug/l	95
5) Bromomethane	2.762	94	195012	56.365	ug/l	100
6) Chloroethane	2.920	64	190248	54.858	ug/l	98
7) Trichlorofluoromethane	3.267	101	344411	45.164	ug/l	100
8) Diethyl Ether	3.709	74	111335	52.814	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	214700	45.325	ug/l	97
10) Methyl Iodide	4.297	142	220981	48.757	ug/l	98
11) Tert butyl alcohol	5.214	59	83320	156.616	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	206643	48.438	ug/l	96
13) Acrolein	3.920	56	65769	281.183	ug/l	94
14) Allyl chloride	4.714	41	317306	50.615	ug/l	96
15) Acrylonitrile	5.420	53	264332	263.171	ug/l	99
16) Acetone	4.156	43	183659	218.632	ug/l	94
17) Carbon Disulfide	4.409	76	742482	47.171	ug/l	99
18) Methyl Acetate	4.720	43	128803	56.052	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	496515	53.856	ug/l	99
20) Methylene Chloride	4.962	84	362892	72.614	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	259518	51.103	ug/l	97
22) Diisopropyl ether	6.367	45	752688	56.096	ug/l	99
23) Vinyl Acetate	6.303	43	1676244	269.665	ug/l	97
24) 1,1-Dichloroethane	6.261	63	479047	50.459	ug/l	98
25) 2-Butanone	7.208	43	282561	252.688	ug/l	100
26) 2,2-Dichloropropane	7.203	77	339537	44.246	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	287667	52.732	ug/l	99
28) Bromochloromethane	7.544	49	196725	52.224	ug/l	93
29) Tetrahydrofuran	7.561	42	191409	266.651	ug/l	96
30) Chloroform	7.708	83	492637	50.615	ug/l	100
31) Cyclohexane	7.985	56	371240	45.804	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	398243	48.612	ug/l	97
36) 1,1-Dichloropropene	8.108	75	355231	48.827	ug/l	97
37) Ethyl Acetate	7.291	43	139124	51.140	ug/l	99
38) Carbon Tetrachloride	8.091	117	331918	46.130	ug/l	99
39) Methylcyclohexane	9.350	83	381382	46.925	ug/l	99
40) Benzene	8.350	78	1088478	51.054	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	69243	48.376	ug/l	96
42) 1,2-Dichloroethane	8.420	62	286226	50.125	ug/l	99
43) Isopropyl Acetate	8.450	43	247740	49.251	ug/l	98
44) Trichloroethene	9.108	130	254584	49.964	ug/l	91
45) 1,2-Dichloropropane	9.385	63	288893	51.647	ug/l	96
46) Dibromomethane	9.473	93	146155	50.741	ug/l	98
47) Bromodichloromethane	9.661	83	372834	50.737	ug/l	98
48) Methyl methacrylate	9.455	41	113686	48.950	ug/l #	91
49) 1,4-Dioxane	9.461	88	31677	1097.991	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	688276	264.427	ug/l	97
52) Toluene	10.402	92	667059	51.782	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	312307	49.407	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	377332	49.050	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	198872	50.189	ug/l	96
56) Ethyl methacrylate	10.655	69	234082	54.114	ug/l	93
57) 1,3-Dichloropropane	10.938	76	349433	51.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	551402	264.475	ug/l	99
59) 2-Hexanone	10.979	43	457237	263.288	ug/l	98
60) Dibromochloromethane	11.138	129	235326	51.031	ug/l	100
61) 1,2-Dibromoethane	11.244	107	187265	51.388	ug/l	99
64) Tetrachloroethene	10.873	164	204981	49.789	ug/l	96
65) Chlorobenzene	11.661	112	695190	49.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	256717	50.036	ug/l	98
67) Ethyl Benzene	11.738	91	1255801	51.980	ug/l	99
68) m/p-Xylenes	11.849	106	973473	104.330	ug/l	98
69) o-Xylene	12.173	106	439571	52.586	ug/l	95
70) Styrene	12.185	104	804024	55.060	ug/l	99
71) Bromoform	12.349	173	126146	49.747	ug/l #	97
73) Isopropylbenzene	12.473	105	1152348	51.682	ug/l	99
74) N-amyl acetate	12.279	43	241600	49.731	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	229919	48.146	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	152558m	47.438	ug/l	
77) Bromobenzene	12.749	156	257344	50.027	ug/l	98
78) n-propylbenzene	12.808	91	1475886	51.000	ug/l	99
79) 2-Chlorotoluene	12.896	91	850582	50.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1010139	52.494	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	56558	44.065	ug/l	94
82) 4-Chlorotoluene	12.996	91	892463	50.152	ug/l	100
83) tert-Butylbenzene	13.214	119	801307	51.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1013323	53.475	ug/l	99
85) sec-Butylbenzene	13.390	105	1241733	50.617	ug/l	98
86) p-Isopropyltoluene	13.502	119	1029308	52.221	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	533412	49.806	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	523304	48.680	ug/l	100
89) n-Butylbenzene	13.832	91	967030	49.208	ug/l	99
90) Hexachloroethane	14.102	117	213816	47.388	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	468410	49.571	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33562	46.927	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	255549	50.080	ug/l	98
94) Hexachlorobutadiene	15.249	225	143657	45.898	ug/l	97
95) Naphthalene	15.384	128	479973	51.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	228108	50.666	ug/l	99

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

