

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070296.D
 Acq On : 10 Sep 2021 13:21
 Operator : VA/SY
 Sample : VD0910SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2021 7:32:58 PM

Quant Time: Sep 11 02:24:09 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	391132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	696791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	669215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	320996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	231806	46.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.320%
35) Dibromofluoromethane	7.914	113	232479	46.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.740%
50) Toluene-d8	10.338	98	900584	50.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.626	95	305208	48.495	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	99412	23.021	ug/l	92
3) Chloromethane	2.209	50	128392	22.000	ug/l	100
4) Vinyl Chloride	2.350	62	140433	22.820	ug/l	98
5) Bromomethane	2.756	94	98931	23.740	ug/l	98
6) Chloroethane	2.915	64	90846	22.394	ug/l	98
7) Trichlorofluoromethane	3.267	101	175989	21.621	ug/l	96
8) Diethyl Ether	3.703	74	43630	19.390	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.097	101	108163	21.393	ug/l	97
10) Methyl Iodide	4.297	142	81510	17.522	ug/l	99
11) Tert butyl alcohol	5.191	59	55822	98.304	ug/l #	100
12) 1,1-Dichloroethene	4.073	96	94372	20.725	ug/l	94
13) Acrolein	3.914	56	20292	81.278	ug/l	92
14) Allyl chloride	4.714	41	137140	20.495	ug/l	96
15) Acrylonitrile	5.420	53	105014	97.952	ug/l	97
16) Acetone	4.156	43	90061	100.442	ug/l	92
17) Carbon Disulfide	4.409	76	358763	21.354	ug/l	100
18) Methyl Acetate	4.720	43	52226	20.324	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	188668	19.172	ug/l	98
20) Methylene Chloride	4.967	84	177116	28.590	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	112699	20.791	ug/l	97
22) Diisopropyl ether	6.361	45	303491	21.190	ug/l	96
23) Vinyl Acetate	6.303	43	633988	95.553	ug/l	95
24) 1,1-Dichloroethane	6.267	63	206645	20.392	ug/l	98
25) 2-Butanone	7.208	43	112957	94.638	ug/l	99
26) 2,2-Dichloropropane	7.208	77	176020	21.489	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	114123	19.599	ug/l	92
28) Bromochloromethane	7.538	49	71737	17.842	ug/l	88
29) Tetrahydrofuran	7.561	42	73593	96.050	ug/l	93
30) Chloroform	7.708	83	212197	20.425	ug/l	97
31) Cyclohexane	7.985	56	181634	20.995	ug/l #	96
32) 1,1,1-Trichloroethane	7.902	97	182493	20.870	ug/l	97
36) 1,1-Dichloropropene	8.114	75	160416	21.539	ug/l	98
37) Ethyl Acetate	7.291	43	56324	20.224	ug/l	98
38) Carbon Tetrachloride	8.091	117	152119	20.652	ug/l	98
39) Methylcyclohexane	9.355	83	173986	20.911	ug/l	96
40) Benzene	8.350	78	465955	21.349	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	30955	21.125	ug/l #	67
42) 1,2-Dichloroethane	8.420	62	118241	20.227	ug/l	99
43) Isopropyl Acetate	8.450	43	100155	19.450	ug/l	96
44) Trichloroethene	9.108	130	113388	21.738	ug/l	99
45) 1,2-Dichloropropane	9.385	63	121368	21.195	ug/l	98
46) Dibromomethane	9.467	93	61343	20.803	ug/l	96
47) Bromodichloromethane	9.655	83	155684	20.695	ug/l	94
48) Methyl methacrylate	9.449	41	49696	20.902	ug/l	93
49) 1,4-Dioxane	9.461	88	10938	370.349	ug/l #	78
51) 4-Methyl-2-Pentanone	10.226	43	258317	96.943	ug/l	96
52) Toluene	10.402	92	286236	21.705	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	133255	20.592	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	162748	20.666	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	80933	19.952	ug/l	96
56) Ethyl methacrylate	10.655	69	86027	19.427	ug/l #	93
57) 1,3-Dichloropropane	10.938	76	140160	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	194392	91.078	ug/l	98
59) 2-Hexanone	10.979	43	176163	99.088	ug/l	94
60) Dibromochloromethane	11.132	129	93974	19.906	ug/l	94
61) 1,2-Dibromoethane	11.238	107	75491	20.236	ug/l	98
64) Tetrachloroethene	10.873	164	88183	21.643	ug/l	94
65) Chlorobenzene	11.667	112	290179	20.931	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	106958	21.065	ug/l	98
67) Ethyl Benzene	11.738	91	504517	21.101	ug/l	99
68) m/p-Xylenes	11.849	106	402674	43.606	ug/l	97
69) o-Xylene	12.173	106	172379	20.837	ug/l	95
70) Styrene	12.185	104	313999	21.728	ug/l	98
71) Bromoform	12.355	173	49926	19.895	ug/l #	100
73) Isopropylbenzene	12.473	105	465175	20.664	ug/l	98
74) N-amyl acetate	12.279	43	92710	18.902	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	93837	19.463	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	73006m	22.485	ug/l	
77) Bromobenzene	12.749	156	105643	20.341	ug/l	98
78) n-propylbenzene	12.814	91	633818	21.693	ug/l	98
79) 2-Chlorotoluene	12.902	91	355760	20.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	416068	21.416	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	23711	18.297	ug/l	93
82) 4-Chlorotoluene	12.996	91	375611	20.906	ug/l	100
83) tert-Butylbenzene	13.214	119	318041	20.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	410652	21.464	ug/l	100
85) sec-Butylbenzene	13.390	105	526881	21.273	ug/l	99
86) p-Isopropyltoluene	13.508	119	421969	21.204	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	222805	20.606	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	219016	20.180	ug/l	97
89) n-Butylbenzene	13.832	91	413987	20.865	ug/l	98
90) Hexachloroethane	14.102	117	91251	20.031	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	191463	20.069	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	14014	19.408	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	108692	21.098	ug/l	98
94) Hexachlorobutadiene	15.255	225	70822	22.412	ug/l	99
95) Naphthalene	15.384	128	176372	18.837	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	96510	21.232	ug/l	97

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

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