

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067657.D
 Acq On : 8 Jul 2021 12:28
 Operator : JC/MD
 Sample : M2940-07 .5PPB LOD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:43:22 PM

Quant Time: Jul 09 04:51:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 04:50:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	322530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	611986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	569441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	207046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	270369	55.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	110.940%
35) Dibromofluoromethane	8.024	113	186404	50.414	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.820%
50) Toluene-d8	10.443	98	761680	49.215	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.733	95	244199	44.666	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	1391	0.507	ug/l	97
3) Chloromethane	2.303	50	2654	0.611	ug/l	91
4) Vinyl Chloride	2.443	62	3437	0.524	ug/l	90
5) Bromomethane	2.866	94	4861	0.899	ug/l	91
6) Chloroethane	3.022	64	2774	0.571	ug/l #	81
7) Trichlorofluoromethane	3.379	101	6140	0.505	ug/l	99
8) Diethyl Ether	3.824	74	1057m	0.405	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.191	101	1394m	0.466	ug/l	
10) Methyl Iodide	4.417	142	1393	0.391	ug/l #	67
11) Tert butyl alcohol	5.390	59	2055m	2.934	ug/l	
12) 1,1-Dichloroethene	4.181	96	1544m	0.538	ug/l	
13) Acrolein	4.041	56	1474m	3.918	ug/l	
14) Allyl chloride	4.827	41	2895m	0.549	ug/l	
15) Acrylonitrile	5.567	53	4065	2.340	ug/l #	85
16) Acetone	4.293	43	5778	3.767	ug/l #	83
17) Carbon Disulfide	4.519	76	4510m	0.568	ug/l	
18) Methyl Acetate	4.859	43	3636m	0.844	ug/l	
19) Methyl tert-butyl Ether	5.623	73	5061	0.426	ug/l #	87
20) Methylene Chloride	5.098	84	5290m	1.304	ug/l	
21) trans-1,2-Dichloroethene	5.602	96	1669m	0.492	ug/l	
22) Diisopropyl ether	6.492	45	5235m	0.438	ug/l	
23) Vinyl Acetate	6.436	43	21946m	2.146	ug/l	
24) 1,1-Dichloroethane	6.382	63	3003m	0.450	ug/l	
25) 2-Butanone	7.356	43	6696	2.629	ug/l	92
26) 2,2-Dichloropropane	7.321	77	2931m	0.503	ug/l	
27) cis-1,2-Dichloroethene	7.329	96	1756	0.414	ug/l	79
28) Bromochloromethane	7.664	49	1617	0.497	ug/l #	76
29) Tetrahydrofuran	7.699	42	3884	2.319	ug/l	92
30) Chloroform	7.817	83	3559m	0.475	ug/l	
31) Cyclohexane	8.088	56	11482	1.680	ug/l #	29
32) 1,1,1-Trichloroethane	8.010	97	2727m	0.420	ug/l	
36) 1,1-Dichloropropene	8.225	75	2620	0.461	ug/l	97
37) Ethyl Acetate	7.418	43	3227m	0.586	ug/l	
38) Carbon Tetrachloride	8.222	117	2512m	0.448	ug/l	
39) Methylcyclohexane	9.456	83	3021	0.485	ug/l #	81
40) Benzene	8.458	78	7614	0.447	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	1486m	0.525	ug/l	
42) 1,2-Dichloroethane	8.536	62	3413	0.540	ug/l	84
43) Isopropyl Acetate	8.574	43	4354m	0.449	ug/l	
44) Trichloroethene	9.220	130	1729	0.400	ug/l	89
45) 1,2-Dichloropropane	9.491	63	1876	0.435	ug/l #	80
46) Dibromomethane	9.585	93	1173	0.384	ug/l	97
47) Bromodichloromethane	9.759	83	2638	0.441	ug/l #	88
48) Methyl methacrylate	9.563	41	2292	0.535	ug/l #	81
49) 1,4-Dioxane	9.577	88	438	5.897	ug/l #	56
51) 4-Methyl-2-Pentanone	10.333	43	12408	2.085	ug/l	99
52) Toluene	10.513	92	4817	0.432	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	2631	0.429	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	2607	0.392	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	1779	0.416	ug/l #	85
56) Ethyl methacrylate	10.762	69	2767	0.420	ug/l	99
57) 1,3-Dichloropropane	11.046	76	3098	0.423	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.041	63	2036	1.492	ug/l #	85
59) 2-Hexanone	11.092	43	9441	2.272	ug/l	99
60) Dibromochloromethane	11.242	129	1248	0.288	ug/l	84
61) 1,2-Dibromoethane	11.350	107	1773	0.407	ug/l	92
64) Tetrachloroethene	10.974	164	1875	0.466	ug/l #	81
65) Chlorobenzene	11.773	112	5097	0.436	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.848	131	1498	0.364	ug/l #	59
67) Ethyl Benzene	11.848	91	8703	0.409	ug/l	93
68) m/p-Xylenes	11.958	106	6591	0.818	ug/l	87
69) o-Xylene	12.283	106	2935	0.371	ug/l	99
70) Styrene	12.299	104	4754	0.375	ug/l	97
71) Bromoform	12.465	173	798	0.287	ug/l #	29
73) Isopropylbenzene	12.586	105	8421	0.504	ug/l	91
74) N-amyl acetate	12.390	43	3174	0.524	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.827	83	2531	0.522	ug/l #	96
76) 1,2,3-Trichloropropane	12.889	75	2122m	0.502	ug/l	
77) Bromobenzene	12.868	156	1873	0.507	ug/l	95
78) n-propylbenzene	12.924	91	9923	0.525	ug/l	98
79) 2-Chlorotoluene	13.010	91	6190	0.542	ug/l	96
80) 1,3,5-Trimethylbenzene	13.066	105	6477	0.479	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.626	75	437m	0.333	ug/l	
82) 4-Chlorotoluene	13.109	91	5974	0.529	ug/l	98
83) tert-Butylbenzene	13.326	119	5959	0.516	ug/l	87
84) 1,2,4-Trimethylbenzene	13.372	105	6907	0.521	ug/l	96
85) sec-Butylbenzene	13.506	105	7595	0.475	ug/l	93
86) p-Isopropyltoluene	13.618	119	5840	0.453	ug/l	94
87) 1,3-Dichlorobenzene	13.616	146	3166	0.462	ug/l	94
88) 1,4-Dichlorobenzene	13.699	146	3681m	0.524	ug/l	
89) n-Butylbenzene	13.946	91	5522	0.499	ug/l	98
90) Hexachloroethane	14.217	117	762	0.356	ug/l	63
91) 1,2-Dichlorobenzene	13.994	146	3579	0.541	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.608	75	310	0.368	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.271	180	1699	0.596	ug/l #	61
94) Hexachlorobutadiene	15.372	225	542	0.390	ug/l #	42
95) Naphthalene	15.509	128	6390	0.795	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.705	180	1775	0.645	ug/l	62

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

