

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071644.D
 Acq On : 29 Mar 2022 20:06
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 30 09:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	657842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1072216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	912984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	320824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	415378	52.662	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.320%			
35) Dibromofluoromethane	8.016	113	326701	49.613	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.220%			
50) Toluene-d8	10.434	98	1313026	48.340	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.680%			
62) 4-Bromofluorobenzene	12.727	95	382957	43.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	1293	0.201	ug/l	73
3) Chloromethane	2.305	50	4056	0.535	ug/l	100
4) Vinyl Chloride	2.446	62	1667	0.198	ug/l	92
5) Bromomethane	2.858	94	3464	0.700	ug/l #	69
6) Chloroethane	3.016	64	1957	0.321	ug/l	91
7) Trichlorofluoromethane	3.375	101	2085	0.208	ug/l	88
8) Diethyl Ether	3.822	74	830	0.199	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.216	101	1096m	0.180	ug/l	
10) Methyl Iodide	4.440	142	2518	0.280	ug/l #	54
11) Tert butyl alcohol	5.375	59	907m	0.651	ug/l	
12) 1,1-Dichloroethene	4.181	96	948	0.161	ug/l #	84
13) Acrolein	4.034	56	1171m	1.008	ug/l	
14) Allyl chloride	4.846	41	1920	0.204	ug/l #	83
15) Acrylonitrile	5.563	53	4013m	1.032	ug/l	
16) Acetone	4.304	43	5282	1.624	ug/l	94
17) Carbon Disulfide	4.528	76	3605	0.245	ug/l #	77
18) Methyl Acetate	4.857	43	8846	0.880	ug/l #	88
19) Methyl tert-butyl Ether	5.610	73	3921	0.182	ug/l #	76
20) Methylene Chloride	5.087	84	1961	0.273	ug/l #	78
21) trans-1,2-Dichloroethene	5.604	96	1541	0.244	ug/l #	59
22) Diisopropyl ether	6.504	45	3940	0.196	ug/l #	77
23) Vinyl Acetate	6.434	43	14856	0.874	ug/l #	92
24) 1,1-Dichloroethane	6.387	63	2115	0.176	ug/l #	82
25) 2-Butanone	7.351	43	4985	0.985	ug/l	97
26) 2,2-Dichloropropane	7.322	77	1677	0.163	ug/l #	62
27) cis-1,2-Dichloroethene	7.328	96	1526	0.197	ug/l	90
28) Bromochloromethane	7.657	49	572	0.118	ug/l #	95
29) Tetrahydrofuran	7.687	42	3963	1.206	ug/l #	82
30) Chloroform	7.816	83	2535	0.206	ug/l	85
31) Cyclohexane	8.075	56	13793	1.252	ug/l #	7
32) 1,1,1-Trichloroethane	8.010	97	2027	0.190	ug/l #	50
36) 1,1-Dichloropropene	8.222	75	1898	0.200	ug/l #	48
37) Ethyl Acetate	7.410	43	2037	0.197	ug/l #	77
38) Carbon Tetrachloride	8.198	117	1883	0.201	ug/l #	94
39) Methylcyclohexane	9.457	83	2213	0.189	ug/l #	81
40) Benzene	8.457	78	6072	0.209	ug/l #	90

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41) Methacrylonitrile	7.628	41	985	0.196	ug/l #	77
42) 1,2-Dichloroethane	8.522	62	3041	0.303	ug/l	95
43) Isopropyl Acetate	8.575	43	13280	0.723	ug/l #	62
44) Trichloroethene	9.222	130	1641	0.215	ug/l	81
45) 1,2-Dichloropropane	9.492	63	1552	0.217	ug/l #	75
46) Dibromomethane	9.575	93	770	0.157	ug/l #	56
47) Bromodichloromethane	9.751	83	1523	0.158	ug/l #	92
48) Methyl methacrylate	9.557	41	1217	0.163	ug/l	95
49) 1,4-Dioxane	9.569	88	418	2.547	ug/l #	30
51) 4-Methyl-2-Pentanone	10.328	43	9282	0.915	ug/l	89
52) Toluene	10.504	92	3751	0.201	ug/l	90
53) t-1,3-Dichloropropene	10.710	75	1839	0.175	ug/l #	61
54) cis-1,3-Dichloropropene	10.181	75	1860	0.163	ug/l #	90
55) 1,1,2-Trichloroethane	10.898	97	1411	0.187	ug/l #	80
56) Ethyl methacrylate	10.751	69	1868	0.166	ug/l	99
57) 1,3-Dichloropropane	11.045	76	2310	0.184	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.034	63	2806	0.971	ug/l	99
59) 2-Hexanone	11.081	43	7528	1.037	ug/l	90
60) Dibromochloromethane	11.239	129	1238	0.164	ug/l	78
61) 1,2-Dibromoethane	11.339	107	1376	0.181	ug/l	92
64) Tetrachloroethene	10.981	164	1311	0.207	ug/l	89
65) Chlorobenzene	11.769	112	4270	0.224	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.833	131	1174	0.172	ug/l #	63
67) Ethyl Benzene	11.845	91	6676	0.203	ug/l	96
68) m/p-Xylenes	11.951	106	4914	0.393	ug/l	88
69) o-Xylene	12.275	106	2118	0.169	ug/l	91
70) Styrene	12.286	104	3821	0.199	ug/l	91
71) Bromoform	12.451	173	717	0.133	ug/l #	28
73) Isopropylbenzene	12.575	105	5246	0.187	ug/l	95
74) N-amyl acetate	12.380	43	2288	0.269	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.816	83	2147	0.229	ug/l #	87
76) 1,2,3-Trichloropropane	12.869	75	2148m	0.279	ug/l	
77) Bromobenzene	12.863	156	2034	0.288	ug/l	95
78) n-propylbenzene	12.910	91	6812	0.225	ug/l	89
79) 2-Chlorotoluene	13.004	91	4281	0.226	ug/l	87
80) 1,3,5-Trimethylbenzene	13.051	105	4193	0.189	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.622	75	459m	0.172	ug/l	
82) 4-Chlorotoluene	13.098	91	4428	0.251	ug/l	93
83) tert-Butylbenzene	13.316	119	4050	0.199	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	5055	0.233	ug/l	92
85) sec-Butylbenzene	13.498	105	5126	0.191	ug/l	98
86) p-Isopropyltoluene	13.604	119	4295	0.201	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	3145	0.276	ug/l	90
88) 1,4-Dichlorobenzene	13.686	146	3127m	0.276	ug/l	
89) n-Butylbenzene	13.939	91	4095	0.254	ug/l	93
90) Hexachloroethane	14.192	117	960m	0.240	ug/l	
91) 1,2-Dichlorobenzene	13.980	146	2991	0.268	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.586	75	686m	0.422	ug/l	
93) 1,2,4-Trichlorobenzene	15.263	180	1718	0.349	ug/l	86
94) Hexachlorobutadiene	15.374	225	542	0.174	ug/l	90
95) Naphthalene	15.498	128	32338	2.408	ug/l	97
96) 1,2,3-Trichlorobenzene	15.686	180	2040	0.413	ug/l	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

