

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071614.D
 Acq On : 28 Mar 2022 19:57
 Operator : JC\MD
 Sample : N1645-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2022

Quant Time: Mar 29 10:12:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 10:12:32 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/30/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	678558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1104599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	954088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	304979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	407966	50.143	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.280%			
35) Dibromofluoromethane	8.016	113	318991	47.022	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.040%			
50) Toluene-d8	10.439	98	1288483	46.046	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.100%			
62) 4-Bromofluorobenzene	12.727	95	349590	38.296	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 76.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	1363	0.205	ug/l	95
3) Chloromethane	2.304	50	3956	0.506	ug/l #	79
4) Vinyl Chloride	2.440	62	1648	0.190	ug/l	98
5) Bromomethane	2.863	94	4721	0.925	ug/l	97
6) Chloroethane	3.022	64	1351m	0.215	ug/l	
7) Trichlorofluoromethane	3.387	101	2148	0.207	ug/l #	63
8) Diethyl Ether	3.816	74	359	0.083	ug/l #	48
9) 1,1,2-Trichlorotrifluo...	4.216	101	795	0.126	ug/l #	70
10) Methyl Iodide	4.428	142	3185	0.343	ug/l #	76
11) Tert butyl alcohol	5.351	59	902	0.628	ug/l #	72
12) 1,1-Dichloroethene	4.181	96	990	0.163	ug/l #	61
13) Acrolein	4.045	56	1733	1.446	ug/l #	67
14) Allyl chloride	4.840	41	1646	0.169	ug/l #	91
15) Acrylonitrile	5.557	53	4164	1.038	ug/l #	88
16) Acetone	4.298	43	4771	1.422	ug/l	93
17) Carbon Disulfide	4.534	76	4951	0.326	ug/l #	75
18) Methyl Acetate	4.851	43	7125	0.828	ug/l	99
19) Methyl tert-butyl Ether	5.628	73	4169	0.187	ug/l	92
20) Methylene Chloride	5.098	84	2111	0.285	ug/l #	80
21) trans-1,2-Dichloroethene	5.592	96	1621	0.249	ug/l #	72
22) Diisopropyl ether	6.487	45	4099	0.197	ug/l #	87
23) Vinyl Acetate	6.428	43	14526	0.829	ug/l	96
24) 1,1-Dichloroethane	6.386	63	2499	0.202	ug/l #	82
25) 2-Butanone	7.345	43	6101	1.169	ug/l	91
26) 2,2-Dichloropropane	7.333	77	1770	0.166	ug/l #	59
27) cis-1,2-Dichloroethene	7.310	96	1794	0.224	ug/l	95
28) Bromochloromethane	7.651	49	856	0.171	ug/l #	81
29) Tetrahydrofuran	7.692	42	3951	1.166	ug/l #	89
30) Chloroform	7.816	83	2709	0.214	ug/l	94
31) Cyclohexane	8.081	56	13809	1.215	ug/l #	1
32) 1,1,1-Trichloroethane	8.016	97	2153	0.196	ug/l #	47
36) 1,1-Dichloropropene	8.216	75	2437	0.250	ug/l #	94
37) Ethyl Acetate	7.416	43	2291	0.215	ug/l #	78
38) Carbon Tetrachloride	8.204	117	2020	0.209	ug/l #	80
39) Methylcyclohexane	9.451	83	2271	0.188	ug/l #	78
40) Benzene	8.457	78	6025	0.201	ug/l #	66

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	1256	0.242	ug/l #	53
42) 1,2-Dichloroethane	8.528	62	3055	0.295	ug/l	88
43) Isopropyl Acetate	8.563	43	8014	0.423	ug/l #	62
44) Trichloroethene	9.210	130	1953	0.248	ug/l	78
45) 1,2-Dichloropropane	9.486	63	1392	0.189	ug/l #	44
46) Dibromomethane	9.580	93	1093	0.217	ug/l	92
47) Bromodichloromethane	9.763	83	2083	0.209	ug/l #	97
48) Methyl methacrylate	9.557	41	1462	0.190	ug/l #	76
49) 1,4-Dioxane	9.569	88	884	5.228	ug/l #	56
51) 4-Methyl-2-Pentanone	10.322	43	8829	0.844	ug/l	94
52) Toluene	10.504	92	4292	0.223	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	2199	0.203	ug/l #	81
54) cis-1,3-Dichloropropene	10.180	75	1936	0.165	ug/l #	86
55) 1,1,2-Trichloroethane	10.886	97	1694	0.218	ug/l #	74
56) Ethyl methacrylate	10.751	69	2264	0.195	ug/l #	73
57) 1,3-Dichloropropane	11.039	76	2496	0.193	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.033	63	1873	0.629	ug/l #	88
59) 2-Hexanone	11.086	43	8670	1.159	ug/l	86
60) Dibromochloromethane	11.239	129	1185	0.152	ug/l	80
61) 1,2-Dibromoethane	11.345	107	1443	0.184	ug/l	87
64) Tetrachloroethene	10.974	164	1524	0.231	ug/l #	85
65) Chlorobenzene	11.763	112	4560	0.229	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.845	131	1247	0.175	ug/l #	61
67) Ethyl Benzene	11.839	91	6983	0.203	ug/l	98
68) m/p-Xylenes	11.945	106	4857	0.372	ug/l	91
69) o-Xylene	12.274	106	2304	0.176	ug/l	99
70) Styrene	12.286	104	3464	0.173	ug/l	95
71) Bromoform	12.445	173	1042	0.185	ug/l #	78
73) Isopropylbenzene	12.574	105	5239	0.196	ug/l	97
74) N-amyl acetate	12.380	43	2561	0.316	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.821	83	2376	0.266	ug/l	97
76) 1,2,3-Trichloropropane	12.868	75	1923m	0.263	ug/l	
77) Bromobenzene	12.857	156	2234	0.333	ug/l	96
78) n-propylbenzene	12.915	91	7295	0.254	ug/l	96
79) 2-Chlorotoluene	13.004	91	4926	0.273	ug/l	90
80) 1,3,5-Trimethylbenzene	13.045	105	4917	0.233	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	236m	0.093	ug/l	
82) 4-Chlorotoluene	13.098	91	4796	0.285	ug/l	98
83) tert-Butylbenzene	13.315	119	3957	0.205	ug/l	85
84) 1,2,4-Trimethylbenzene	13.363	105	4876	0.236	ug/l	99
85) sec-Butylbenzene	13.498	105	5195	0.203	ug/l	95
86) p-Isopropyltoluene	13.610	119	3991	0.197	ug/l	94
87) 1,3-Dichlorobenzene	13.610	146	3670	0.339	ug/l	92
88) 1,4-Dichlorobenzene	13.686	146	4434m	0.412	ug/l	
89) n-Butylbenzene	13.933	91	4786	0.312	ug/l	96
90) Hexachloroethane	14.204	117	904	0.237	ug/l	64
91) 1,2-Dichlorobenzene	13.980	146	3943	0.372	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.598	75	515	0.334	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.262	180	2591	0.553	ug/l	94
94) Hexachlorobutadiene	15.368	225	763	0.258	ug/l	88
95) Naphthalene	15.504	128	6414	0.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	2517	0.536	ug/l	89

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

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