

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071636.D
 Acq On : 29 Mar 2022 16:54
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 30 09:04:37 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	647876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1051754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	876430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	274386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	409436	52.707	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.420%			
35) Dibromofluoromethane	8.016	113	323208	50.037	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.080%			
50) Toluene-d8	10.439	98	1268331	47.603	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.200%			
62) 4-Bromofluorobenzene	12.727	95	341310	39.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 78.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	666	0.105	ug/l	97
3) Chloromethane	2.299	50	3115	0.417	ug/l	90
4) Vinyl Chloride	2.440	62	977	0.118	ug/l #	59
5) Bromomethane	2.852	94	1135	0.233	ug/l	98
6) Chloroethane	3.016	64	1599m	0.267	ug/l	
7) Trichlorofluoromethane	3.381	101	1317	0.133	ug/l	89
8) Diethyl Ether	3.840	74	377m	0.092	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.204	101	595	0.099	ug/l #	68
10) Methyl Iodide	4.428	142	1270	0.143	ug/l #	70
11) Tert butyl alcohol	5.351	59	525	0.383	ug/l #	72
12) 1,1-Dichloroethene	4.187	96	635	0.109	ug/l #	72
13) Acrolein	4.051	56	1437	1.256	ug/l	85
14) Allyl chloride	4.846	41	1378	0.148	ug/l #	68
15) Acrylonitrile	5.540	53	2548m	0.665	ug/l	
16) Acetone	4.299	43	4332	1.353	ug/l #	86
17) Carbon Disulfide	4.528	76	3266m	0.225	ug/l	
18) Methyl Acetate	4.863	43	13442	1.358	ug/l	96
19) Methyl tert-butyl Ether	5.616	73	2472	0.116	ug/l	93
20) Methylene Chloride	5.081	84	2333	0.330	ug/l #	67
21) trans-1,2-Dichloroethene	5.604	96	778m	0.125	ug/l	
22) Diisopropyl ether	6.498	45	2634	0.133	ug/l #	78
23) Vinyl Acetate	6.434	43	9985	0.596	ug/l #	88
24) 1,1-Dichloroethane	6.393	63	1475	0.125	ug/l #	82
25) 2-Butanone	7.345	43	3811	0.765	ug/l #	79
26) 2,2-Dichloropropane	7.322	77	1243	0.122	ug/l #	53
27) cis-1,2-Dichloroethene	7.316	96	1060	0.139	ug/l	61
28) Bromochloromethane	7.651	49	508	0.106	ug/l #	93
29) Tetrahydrofuran	7.692	42	2257	0.698	ug/l #	59
30) Chloroform	7.822	83	1800	0.149	ug/l	86
31) Cyclohexane	8.081	56	12981	1.197	ug/l #	1
32) 1,1,1-Trichloroethane	8.016	97	1503	0.143	ug/l #	48
36) 1,1-Dichloropropene	8.222	75	1244m	0.134	ug/l	
37) Ethyl Acetate	7.422	43	1445	0.142	ug/l #	67
38) Carbon Tetrachloride	8.198	117	1296m	0.141	ug/l	
39) Methylcyclohexane	9.463	83	1386	0.121	ug/l #	57
40) Benzene	8.451	78	4380	0.154	ug/l #	88

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41) Methacrylonitrile	7.645	41	606	0.123	ug/l #	63
42) 1,2-Dichloroethane	8.528	62	2367	0.240	ug/l #	74
43) Isopropyl Acetate	8.557	43	22596m	1.254	ug/l	
44) Trichloroethene	9.210	130	1118	0.149	ug/l	81
45) 1,2-Dichloropropane	9.492	63	738	0.105	ug/l #	44
46) Dibromomethane	9.575	93	753	0.157	ug/l #	71
47) Bromodichloromethane	9.757	83	1323	0.140	ug/l #	57
48) Methyl methacrylate	9.557	41	1127	0.154	ug/l #	63
49) 1,4-Dioxane	9.581	88	409	2.540	ug/l #	39
51) 4-Methyl-2-Pentanone	10.328	43	6700	0.673	ug/l	94
52) Toluene	10.498	92	2735	0.149	ug/l	87
53) t-1,3-Dichloropropene	10.710	75	1257	0.122	ug/l #	26
54) cis-1,3-Dichloropropene	10.192	75	1440	0.129	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	1180	0.160	ug/l #	65
56) Ethyl methacrylate	10.763	69	1100	0.100	ug/l #	75
57) 1,3-Dichloropropane	11.045	76	1662	0.135	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.033	63	3042	1.073	ug/l	99
59) 2-Hexanone	11.086	43	9899	1.390	ug/l	71
60) Dibromochloromethane	11.239	129	864	0.117	ug/l	73
61) 1,2-Dibromoethane	11.351	107	847	0.113	ug/l	89
64) Tetrachloroethene	10.975	164	875	0.144	ug/l #	71
65) Chlorobenzene	11.769	112	2871	0.157	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.833	131	846	0.129	ug/l #	53
67) Ethyl Benzene	11.839	91	4251	0.135	ug/l	91
68) m/p-Xylenes	11.957	106	3075	0.256	ug/l	92
69) o-Xylene	12.275	106	1533	0.127	ug/l	91
70) Styrene	12.286	104	1743	0.095	ug/l #	92
71) Bromoform	12.457	173	494	0.096	ug/l #	28
73) Isopropylbenzene	12.574	105	2912	0.121	ug/l	96
74) N-amyl acetate	12.386	43	1282	0.176	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.822	83	1522	0.189	ug/l #	86
76) 1,2,3-Trichloropropane	12.869	75	1208m	0.183	ug/l	
77) Bromobenzene	12.851	156	987	0.164	ug/l	78
78) n-propylbenzene	12.916	91	4132	0.160	ug/l	96
79) 2-Chlorotoluene	13.004	91	2282	0.141	ug/l	87
80) 1,3,5-Trimethylbenzene	13.057	105	2420	0.128	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.627	75	114m	0.050	ug/l	
82) 4-Chlorotoluene	13.098	91	2488	0.165	ug/l	98
83) tert-Butylbenzene	13.316	119	2359	0.136	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	2710	0.146	ug/l	90
85) sec-Butylbenzene	13.498	105	2814	0.122	ug/l	99
86) p-Isopropyltoluene	13.616	119	2015	0.110	ug/l	95
87) 1,3-Dichlorobenzene	13.621	146	1655	0.170	ug/l	78
88) 1,4-Dichlorobenzene	13.686	146	1983m	0.205	ug/l	
89) n-Butylbenzene	13.933	91	2036	0.148	ug/l	88
90) Hexachloroethane	14.204	117	586	0.171	ug/l #	47
91) 1,2-Dichlorobenzene	13.980	146	1603	0.168	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.598	75	125	0.090	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.251	180	588	0.139	ug/l #	84
94) Hexachlorobutadiene	15.374	225	281	0.106	ug/l #	35
95) Naphthalene	15.498	128	1572	0.137	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.698	180	452	0.107	ug/l #	43

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

