

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071617.D
 Acq On : 28 Mar 2022 21:09
 Operator : JC\MD
 Sample : N1645-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 29 10:14:17 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	644811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1037856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	896793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	313855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	409479	52.963	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.920%			
35) Dibromofluoromethane	8.016	113	328401	51.522	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.040%			
50) Toluene-d8	10.439	98	1327030	50.473	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.727	95	386778	45.094	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	16027	2.537	ug/l	99
3) Chloromethane	2.299	50	21816	2.935	ug/l	98
4) Vinyl Chloride	2.440	62	22027	2.667	ug/l	97
5) Bromomethane	2.852	94	18384	3.789	ug/l	99
6) Chloroethane	3.010	64	17524	2.936	ug/l	98
7) Trichlorofluoromethane	3.369	101	25821	2.624	ug/l	98
8) Diethyl Ether	3.822	74	10845	2.648	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	15596	2.608	ug/l	99
10) Methyl Iodide	4.422	142	20744	2.352	ug/l	99
11) Tert butyl alcohol	5.357	59	15385	11.270	ug/l	99
12) 1,1-Dichloroethene	4.181	96	15165	2.620	ug/l	95
13) Acrolein	4.051	56	16470	14.459	ug/l	98
14) Allyl chloride	4.840	41	22768	2.465	ug/l	97
15) Acrylonitrile	5.557	53	45958	12.054	ug/l	99
16) Acetone	4.287	43	39908	12.521	ug/l	92
17) Carbon Disulfide	4.528	76	37804	2.623	ug/l	97
18) Methyl Acetate	4.857	43	26398	3.228	ug/l	99
19) Methyl tert-butyl Ether	5.616	73	50913	2.409	ug/l	91
20) Methylene Chloride	5.087	84	18251	2.591	ug/l #	91
21) trans-1,2-Dichloroethene	5.598	96	16207	2.618	ug/l	95
22) Diisopropyl ether	6.487	45	49011	2.482	ug/l	92
23) Vinyl Acetate	6.428	43	194474	11.673	ug/l	96
24) 1,1-Dichloroethane	6.387	63	29668	2.523	ug/l	96
25) 2-Butanone	7.334	43	57548	11.600	ug/l	96
26) 2,2-Dichloropropane	7.328	77	23815	2.356	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	19582	2.574	ug/l	99
28) Bromochloromethane	7.657	49	11882	2.501	ug/l	91
29) Tetrahydrofuran	7.687	42	40803	12.670	ug/l	98
30) Chloroform	7.810	83	31318	2.598	ug/l	99
31) Cyclohexane	8.087	56	37063	3.433	ug/l #	70
32) 1,1,1-Trichloroethane	8.010	97	26559	2.540	ug/l	96
36) 1,1-Dichloropropene	8.222	75	22348	2.439	ug/l	97
37) Ethyl Acetate	7.404	43	25215	2.517	ug/l	98
38) Carbon Tetrachloride	8.198	117	22717	2.502	ug/l	94
39) Methylcyclohexane	9.457	83	25330	2.235	ug/l	94
40) Benzene	8.457	78	71847	2.554	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	11806	2.423	ug/l	95
42) 1,2-Dichloroethane	8.528	62	26441	2.719	ug/l	100
43) Isopropyl Acetate	8.557	43	43236	2.432	ug/l	93
44) Trichloroethene	9.210	130	19419	2.626	ug/l	100
45) 1,2-Dichloropropane	9.481	63	17217	2.484	ug/l	100
46) Dibromomethane	9.569	93	12146	2.561	ug/l	97
47) Bromodichloromethane	9.757	83	22621	2.420	ug/l	97
48) Methyl methacrylate	9.557	41	16625	2.304	ug/l	97
49) 1,4-Dioxane	9.569	88	7585	47.740	ug/l	92
51) 4-Methyl-2-Pentanone	10.328	43	110532	11.251	ug/l	100
52) Toluene	10.504	92	44752	2.474	ug/l	98
53) t-1,3-Dichloropropene	10.710	75	21903	2.156	ug/l	93
54) cis-1,3-Dichloropropene	10.186	75	23979	2.169	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	17783	2.441	ug/l	96
56) Ethyl methacrylate	10.751	69	23029	2.115	ug/l	95
57) 1,3-Dichloropropane	11.039	76	30514	2.509	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	21653	7.739	ug/l	98
59) 2-Hexanone	11.080	43	76070	10.824	ug/l	98
60) Dibromochloromethane	11.233	129	16333	2.236	ug/l	98
61) 1,2-Dibromoethane	11.339	107	17615	2.388	ug/l	97
64) Tetrachloroethene	10.969	164	15907	2.563	ug/l	96
65) Chlorobenzene	11.763	112	47716	2.550	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	16754	2.495	ug/l	98
67) Ethyl Benzene	11.839	91	76313	2.362	ug/l	97
68) m/p-Xylenes	11.951	106	55263	4.503	ug/l	97
69) o-Xylene	12.274	106	26749	2.169	ug/l	90
70) Styrene	12.292	104	39350	2.090	ug/l	99
71) Bromoform	12.457	173	11986	2.268	ug/l #	97
73) Isopropylbenzene	12.574	105	67499	2.459	ug/l	96
74) N-amyl acetate	12.380	43	18655	2.238	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.816	83	27449	2.987	ug/l	96
76) 1,2,3-Trichloropropane	12.874	75	19057m	2.529	ug/l	
77) Bromobenzene	12.857	156	19091	2.765	ug/l	97
78) n-propylbenzene	12.916	91	71461	2.414	ug/l	100
79) 2-Chlorotoluene	13.004	91	48279	2.605	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	54091	2.496	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.622	75	5491m	2.103	ug/l	
82) 4-Chlorotoluene	13.098	91	42567	2.462	ug/l	99
83) tert-Butylbenzene	13.321	119	48072	2.417	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	48656	2.292	ug/l	94
85) sec-Butylbenzene	13.498	105	60892	2.317	ug/l	98
86) p-Isopropyltoluene	13.610	119	44881	2.150	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	27875	2.501	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	28122	2.542	ug/l	90
89) n-Butylbenzene	13.939	91	32247	2.044	ug/l	99
90) Hexachloroethane	14.198	117	9169	2.339	ug/l	95
91) 1,2-Dichlorobenzene	13.980	146	26902	2.464	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	3393	2.136	ug/l	83
93) 1,2,4-Trichlorobenzene	15.263	180	8530	1.769	ug/l	96
94) Hexachlorobutadiene	15.368	225	8230	2.708	ug/l	98
95) Naphthalene	15.504	128	17515	1.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	7291	1.510	ug/l	93

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

