

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071616.D
 Acq On : 28 Mar 2022 20:45
 Operator : JC\MD
 Sample : N1645-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 29 10:13:49 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	633593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1024011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	880278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	293889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	399542	52.593	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.180%			
35) Dibromofluoromethane	8.016	113	315685	50.197	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.400%			
50) Toluene-d8	10.439	98	1264487	48.744	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.480%			
62) 4-Bromofluorobenzene	12.727	95	351083	41.486	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 82.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	4419	0.712	ug/l	98
3) Chloromethane	2.304	50	7523	1.030	ug/l	98
4) Vinyl Chloride	2.440	62	6760	0.833	ug/l	91
5) Bromomethane	2.857	94	7286	1.528	ug/l #	75
6) Chloroethane	3.016	64	6087	1.038	ug/l #	85
7) Trichlorofluoromethane	3.381	101	7564	0.782	ug/l	96
8) Diethyl Ether	3.834	74	2855	0.709	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.222	101	4016	0.683	ug/l #	88
10) Methyl Iodide	4.416	142	6594	0.761	ug/l #	94
11) Tert butyl alcohol	5.375	59	4069m	3.033	ug/l	
12) 1,1-Dichloroethene	4.187	96	4274	0.752	ug/l #	78
13) Acrolein	4.040	56	4672	4.174	ug/l	99
14) Allyl chloride	4.845	41	6588	0.726	ug/l	98
15) Acrylonitrile	5.569	53	13588	3.627	ug/l	98
16) Acetone	4.293	43	12258	3.914	ug/l	97
17) Carbon Disulfide	4.534	76	12678	0.895	ug/l #	87
18) Methyl Acetate	4.869	43	11310	1.407	ug/l	93
19) Methyl tert-butyl Ether	5.610	73	14981	0.721	ug/l	99
20) Methylene Chloride	5.092	84	6122	0.884	ug/l #	94
21) trans-1,2-Dichloroethene	5.604	96	4810	0.791	ug/l #	91
22) Diisopropyl ether	6.492	45	13188	0.680	ug/l #	91
23) Vinyl Acetate	6.434	43	53593	3.274	ug/l	98
24) 1,1-Dichloroethane	6.392	63	9049	0.783	ug/l	98
25) 2-Butanone	7.333	43	17207	3.530	ug/l	93
26) 2,2-Dichloropropane	7.322	77	6966	0.701	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	5468	0.732	ug/l	97
28) Bromochloromethane	7.657	49	3600	0.771	ug/l #	90
29) Tetrahydrofuran	7.686	42	11954	3.778	ug/l	92
30) Chloroform	7.816	83	8851	0.747	ug/l	93
31) Cyclohexane	8.086	56	19083	1.799	ug/l #	34
32) 1,1,1-Trichloroethane	8.016	97	7713	0.751	ug/l #	48
36) 1,1-Dichloropropene	8.222	75	6589	0.729	ug/l	93
37) Ethyl Acetate	7.404	43	8232m	0.833	ug/l	
38) Carbon Tetrachloride	8.198	117	6750	0.753	ug/l #	78
39) Methylcyclohexane	9.451	83	7201	0.644	ug/l	94
40) Benzene	8.457	78	21007	0.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	2656	0.552	ug/l #	90
42) 1,2-Dichloroethane	8.522	62	7363	0.767	ug/l	98
43) Isopropyl Acetate	8.563	43	17438	0.994	ug/l #	83
44) Trichloroethene	9.210	130	5349	0.733	ug/l	93
45) 1,2-Dichloropropane	9.480	63	5198	0.760	ug/l	90
46) Dibromomethane	9.575	93	3531	0.754	ug/l	95
47) Bromodichloromethane	9.757	83	6611	0.717	ug/l	96
48) Methyl methacrylate	9.551	41	5012	0.704	ug/l	98
49) 1,4-Dioxane	9.569	88	2066	13.179	ug/l #	82
51) 4-Methyl-2-Pentanone	10.327	43	29532	3.047	ug/l	96
52) Toluene	10.498	92	12872	0.721	ug/l	96
53) t-1,3-Dichloropropene	10.710	75	6414	0.640	ug/l	89
54) cis-1,3-Dichloropropene	10.186	75	6494	0.595	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	5189	0.722	ug/l	91
56) Ethyl methacrylate	10.757	69	6175	0.575	ug/l	98
57) 1,3-Dichloropropane	11.039	76	8178	0.681	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	6582	2.384	ug/l	97
59) 2-Hexanone	11.080	43	21500	3.100	ug/l	92
60) Dibromochloromethane	11.233	129	4550	0.631	ug/l	99
61) 1,2-Dibromoethane	11.339	107	4702	0.646	ug/l	95
64) Tetrachloroethene	10.969	164	4992	0.819	ug/l	86
65) Chlorobenzene	11.763	112	14124	0.769	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	4573	0.694	ug/l #	62
67) Ethyl Benzene	11.845	91	21743	0.686	ug/l	97
68) m/p-Xylenes	11.945	106	16143	1.340	ug/l	99
69) o-Xylene	12.274	106	7074	0.584	ug/l	87
70) Styrene	12.286	104	10533	0.570	ug/l	96
71) Bromoform	12.463	173	3465	0.668	ug/l #	97
73) Isopropylbenzene	12.574	105	17026	0.662	ug/l	99
74) N-amyl acetate	12.386	43	5613	0.719	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	7381	0.858	ug/l	99
76) 1,2,3-Trichloropropane	12.880	75	5742m	0.814	ug/l	
77) Bromobenzene	12.857	156	5341	0.826	ug/l	97
78) n-propylbenzene	12.915	91	19363	0.699	ug/l	99
79) 2-Chlorotoluene	13.004	91	13295	0.766	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	14292	0.704	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	1370m	0.560	ug/l	
82) 4-Chlorotoluene	13.098	91	11861	0.733	ug/l	95
83) tert-Butylbenzene	13.315	119	13174	0.707	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	13512	0.680	ug/l	92
85) sec-Butylbenzene	13.492	105	15436	0.627	ug/l	100
86) p-Isopropyltoluene	13.610	119	12064	0.617	ug/l	96
87) 1,3-Dichlorobenzene	13.610	146	8022	0.769	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	8688m	0.839	ug/l	
89) n-Butylbenzene	13.933	91	10306	0.698	ug/l	94
90) Hexachloroethane	14.204	117	2595	0.707	ug/l	94
91) 1,2-Dichlorobenzene	13.986	146	7820	0.765	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	1125	0.756	ug/l	79
93) 1,2,4-Trichlorobenzene	15.257	180	3142	0.696	ug/l	92
94) Hexachlorobutadiene	15.362	225	2560	0.900	ug/l	91
95) Naphthalene	15.498	128	6333	0.515	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.698	180	2836	0.627	ug/l	95

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

