

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071637.D
 Acq On : 29 Mar 2022 17:18
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 30 09:14:26 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	8.080	168	580151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	949860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	793769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	259241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	391397	56.267	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.540%			
35) Dibromofluoromethane	8.016	113	310833	53.283	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.560%			
50) Toluene-d8	10.439	98	1218567	50.641	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.727	95	335762	42.773	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	2334	0.411	ug/l	89
3) Chloromethane	2.299	50	5037	0.753	ug/l #	88
4) Vinyl Chloride	2.440	62	3093	0.416	ug/l	98
5) Bromomethane	2.863	94	4227	0.968	ug/l #	65
6) Chloroethane	3.022	64	2617	0.487	ug/l #	48
7) Trichlorofluoromethane	3.375	101	3515	0.397	ug/l	84
8) Diethyl Ether	3.816	74	1620	0.440	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.228	101	2123	0.395	ug/l #	85
10) Methyl Iodide	4.440	142	2964	0.374	ug/l #	87
11) Tert butyl alcohol	5.375	59	2424	1.974	ug/l #	72
12) 1,1-Dichloroethene	4.192	96	2162	0.415	ug/l #	79
13) Acrolein	4.051	56	2896	2.826	ug/l	90
14) Allyl chloride	4.851	41	3823	0.460	ug/l #	34
15) Acrylonitrile	5.545	53	7140	2.081	ug/l	97
16) Acetone	4.304	43	7505	2.617	ug/l #	84
17) Carbon Disulfide	4.540	76	5933	0.457	ug/l	96
18) Methyl Acetate	4.863	43	13811	1.558	ug/l #	78
19) Methyl tert-butyl Ether	5.622	73	7601	0.400	ug/l #	85
20) Methylene Chloride	5.087	84	3562	0.562	ug/l #	84
21) trans-1,2-Dichloroethene	5.592	96	2389	0.429	ug/l #	65
22) Diisopropyl ether	6.486	45	6714	0.378	ug/l #	83
23) Vinyl Acetate	6.434	43	27348	1.824	ug/l #	89
24) 1,1-Dichloroethane	6.392	63	4091	0.387	ug/l #	82
25) 2-Butanone	7.339	43	8866	1.986	ug/l	98
26) 2,2-Dichloropropane	7.316	77	3922	0.431	ug/l	98
27) cis-1,2-Dichloroethene	7.328	96	2713	0.396	ug/l	95
28) Bromochloromethane	7.657	49	2047	0.479	ug/l #	99
29) Tetrahydrofuran	7.692	42	5951	2.054	ug/l	95
30) Chloroform	7.810	83	4680	0.432	ug/l	96
31) Cyclohexane	8.086	56	14102	1.452	ug/l #	1
32) 1,1,1-Trichloroethane	8.016	97	3981	0.423	ug/l #	51
36) 1,1-Dichloropropene	8.222	75	3714	0.443	ug/l #	72
37) Ethyl Acetate	7.410	43	3309	0.361	ug/l #	88
38) Carbon Tetrachloride	8.198	117	3822	0.460	ug/l	96
39) Methylcyclohexane	9.457	83	3250	0.313	ug/l #	77
40) Benzene	8.451	78	10509	0.408	ug/l #	89

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41) Methacrylonitrile	7.639	41	2198	0.493	ug/l #	62
42) 1,2-Dichloroethane	8.516	62	4182	0.470	ug/l	98
43) Isopropyl Acetate	8.627	43	94100	5.782	ug/l #	54
44) Trichloroethene	9.210	130	2754	0.407	ug/l	90
45) 1,2-Dichloropropane	9.486	63	2551	0.402	ug/l #	83
46) Dibromomethane	9.575	93	1767	0.407	ug/l	95
47) Bromodichloromethane	9.757	83	3475	0.406	ug/l	90
48) Methyl methacrylate	9.551	41	2647	0.401	ug/l	90
49) 1,4-Dioxane	9.569	88	818	5.625	ug/l #	80
51) 4-Methyl-2-Pentanone	10.327	43	16875	1.877	ug/l	93
52) Toluene	10.498	92	6092	0.368	ug/l	87
53) t-1,3-Dichloropropene	10.716	75	3175	0.341	ug/l #	78
54) cis-1,3-Dichloropropene	10.180	75	3467	0.343	ug/l #	83
55) 1,1,2-Trichloroethane	10.886	97	2818	0.423	ug/l	89
56) Ethyl methacrylate	10.763	69	3225	0.324	ug/l #	93
57) 1,3-Dichloropropane	11.033	76	4354	0.391	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.033	63	3507	1.370	ug/l	93
59) 2-Hexanone	11.086	43	12896	2.005	ug/l	89
60) Dibromochloromethane	11.227	129	2694	0.403	ug/l	99
61) 1,2-Dibromoethane	11.339	107	2403	0.356	ug/l	95
64) Tetrachloroethene	10.974	164	2354	0.429	ug/l #	88
65) Chlorobenzene	11.768	112	7372	0.445	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.839	131	2388	0.402	ug/l #	59
67) Ethyl Benzene	11.839	91	10263	0.359	ug/l	95
68) m/p-Xylenes	11.945	106	6952	0.640	ug/l	98
69) o-Xylene	12.274	106	3693	0.338	ug/l	100
70) Styrene	12.286	104	5129	0.308	ug/l	95
71) Bromoform	12.451	173	1675	0.358	ug/l #	86
73) Isopropylbenzene	12.568	105	8248	0.364	ug/l	96
74) N-amyl acetate	12.386	43	2666	0.387	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	4031	0.531	ug/l	94
76) 1,2,3-Trichloropropane	12.880	75	3773m	0.606	ug/l	
77) Bromobenzene	12.857	156	2676	0.469	ug/l	96
78) n-propylbenzene	12.915	91	9229	0.377	ug/l	96
79) 2-Chlorotoluene	13.004	91	6445	0.421	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	6415	0.358	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	635m	0.294	ug/l	
82) 4-Chlorotoluene	13.098	91	6157	0.431	ug/l	98
83) tert-Butylbenzene	13.315	119	6065	0.369	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	5098	0.291	ug/l	91
85) sec-Butylbenzene	13.498	105	6959	0.321	ug/l	98
86) p-Isopropyltoluene	13.610	119	5576	0.323	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	3685	0.400	ug/l	95
88) 1,4-Dichlorobenzene	13.686	146	4073m	0.446	ug/l	
89) n-Butylbenzene	13.945	91	4102	0.315	ug/l	99
90) Hexachloroethane	14.204	117	1140	0.352	ug/l	100
91) 1,2-Dichlorobenzene	13.986	146	3831	0.425	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.604	75	334	0.255	ug/l	54
93) 1,2,4-Trichlorobenzene	15.256	180	1123	0.282	ug/l #	91
94) Hexachlorobutadiene	15.362	225	961	0.383	ug/l	96
95) Naphthalene	15.498	128	2269	0.209	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.704	180	985	0.247	ug/l #	78

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

