

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077713.D
 Acq On : 17 May 2023 14:56
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 18 02:42:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 02:40:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/18/2023
 Supervised By : Mahesh Dadoda 05/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	381732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	710568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	604980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	253070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	297975	52.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.171	113	231539	49.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.940%			
50) Toluene-d8	10.571	98	907600	50.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.853	95	294180	46.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	10758	2.476	ug/l	85
3) Chloromethane	2.365	50	13728	2.636	ug/l	91
4) Vinyl Chloride	2.518	62	14115	2.577	ug/l	94
5) Bromomethane	2.965	94	12857	3.174	ug/l	93
6) Chloroethane	3.124	64	10420	2.640	ug/l	89
7) Trichlorofluoromethane	3.506	101	21071	2.760	ug/l	100
8) Diethyl Ether	3.965	74	7542	2.706	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.383	101	13421	3.177	ug/l #	81
10) Methyl Iodide	4.589	142	13406	2.661	ug/l #	83
11) Tert butyl alcohol	5.542	59	10999	13.953	ug/l #	79
12) 1,1-Dichloroethene	4.348	96	11986	2.985	ug/l	87
13) Acrolein	4.195	56	8915	15.904	ug/l	100
14) Allyl chloride	5.030	41	15489	2.626	ug/l #	87
15) Acrylonitrile	5.730	53	26782	12.717	ug/l #	89
16) Acetone	4.436	43	21397	11.907	ug/l	99
17) Carbon Disulfide	4.718	76	26058	2.409	ug/l #	89
18) Methyl Acetate	5.036	43	18643	2.473	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	39204	2.698	ug/l	93
20) Methylene Chloride	5.283	84	14921	2.772	ug/l #	84
21) trans-1,2-Dichloroethene	5.806	96	11523	2.555	ug/l	97
22) Diisopropyl ether	6.677	45	35701	2.582	ug/l #	91
23) Vinyl Acetate	6.612	43	99965	11.670	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	22315	2.635	ug/l #	92
25) 2-Butanone	7.494	43	33235	11.823	ug/l #	70
26) 2,2-Dichloropropane	7.494	77	17944	2.494	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	13697	2.533	ug/l	89
28) Bromochloromethane	7.818	49	9522	2.600	ug/l #	89
29) Tetrahydrofuran	7.853	42	21957	11.929	ug/l	86
30) Chloroform	7.971	83	25478	2.735	ug/l	84
31) Cyclohexane	8.265	56	27114	3.493	ug/l #	86
32) 1,1,1-Trichloroethane	8.177	97	21731	2.743	ug/l #	78
36) 1,1-Dichloropropene	8.371	75	16645	2.456	ug/l	97
37) Ethyl Acetate	7.565	43	16556	2.741	ug/l #	87
38) Carbon Tetrachloride	8.365	117	17235	2.518	ug/l	97
39) Methylcyclohexane	9.606	83	19943	2.404	ug/l #	83
40) Benzene	8.612	78	51125	2.556	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	8727	2.713	ug/l	87
42) 1,2-Dichloroethane	8.677	62	18530	2.551	ug/l	97
43) Isopropyl Acetate	8.688	43	24238	2.457	ug/l	91
44) Trichloroethene	9.359	130	12768	2.521	ug/l	85
45) 1,2-Dichloropropane	9.635	63	13770	2.699	ug/l	92
46) Dibromomethane	9.706	93	9439	2.586	ug/l	96
47) Bromodichloromethane	9.894	83	18011	2.577	ug/l	93
48) Methyl methacrylate	9.682	41	12042	2.574	ug/l #	78
49) 1,4-Dioxane	9.700	88	3728	42.193	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	68711	11.716	ug/l	93
52) Toluene	10.635	92	33653	2.703	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	18221	2.462	ug/l #	82
54) cis-1,3-Dichloropropene	10.324	75	18056	2.214	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	12507	2.530	ug/l	95
56) Ethyl methacrylate	10.882	69	17494	2.340	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	22185	2.618	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	43150	11.734	ug/l	90
59) 2-Hexanone	11.200	43	50591	11.662	ug/l	87
60) Dibromochloromethane	11.365	129	12074	2.366	ug/l	97
61) 1,2-Dibromoethane	11.476	107	12002	2.434	ug/l	95
64) Tetrachloroethene	11.112	164	12267	2.899	ug/l	90
65) Chlorobenzene	11.894	112	34061	2.597	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	11638	2.565	ug/l	97
67) Ethyl Benzene	11.971	91	58779	2.501	ug/l	94
68) m/p-Xylenes	12.076	106	44831	5.034	ug/l	98
69) o-Xylene	12.406	106	22210	2.536	ug/l	96
70) Styrene	12.418	104	34918	2.510	ug/l	99
71) Bromoform	12.582	173	7729	2.560	ug/l #	96
73) Isopropylbenzene	12.700	105	54790	2.512	ug/l	96
74) N-amyl acetate	12.500	43	19450	2.412	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	17222	2.566	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	18431m	2.908	ug/l	
77) Bromobenzene	12.982	156	13351	2.682	ug/l	97
78) n-propylbenzene	13.041	91	66315	2.579	ug/l	96
79) 2-Chlorotoluene	13.129	91	39940	2.603	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	48712	2.657	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.747	75	3429m	1.729	ug/l	
82) 4-Chlorotoluene	13.229	91	37089	2.429	ug/l	98
83) tert-Butylbenzene	13.447	119	41180	2.573	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	45549	2.526	ug/l	97
85) sec-Butylbenzene	13.623	105	54611	2.401	ug/l	99
86) p-Isopropyltoluene	13.735	119	42743	2.357	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	22858	2.483	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	24618	2.695	ug/l	87
89) n-Butylbenzene	14.065	91	39253	2.353	ug/l	96
90) Hexachloroethane	14.341	117	7059	2.369	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	23243	2.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.735	75	3171	2.441	ug/l	88
93) 1,2,4-Trichlorobenzene	15.400	180	11273	2.243	ug/l	95
94) Hexachlorobutadiene	15.506	225	5284	2.532	ug/l	93
95) Naphthalene	15.647	128	34390	1.988	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	10764	2.187	ug/l	94

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

