

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077711.D
 Acq On : 17 May 2023 14:09
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 18 02:41:23 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	374844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	585050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	286026	50.997	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.000%	
35) Dibromofluoromethane	8.171	113	230020	51.231	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	10.571	98	849286	49.143	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.853	95	271412	44.468	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.940%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.130	85	2249	0.527	ug/l	99
3) Chloromethane	2.365	50	3838	0.751	ug/l	90
4) Vinyl Chloride	2.524	62	2423	0.450	ug/l	98
5) Bromomethane	2.971	94	3844	0.966	ug/l #	79
6) Chloroethane	3.130	64	2177m	0.562	ug/l	
7) Trichlorofluoromethane	3.506	101	3971	0.530	ug/l	99
8) Diethyl Ether	3.971	74	1760	0.643	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	1626m	0.392	ug/l	
10) Methyl Iodide	4.606	142	2999m	0.606	ug/l	
11) Tert butyl alcohol	5.536	59	2084	2.692	ug/l	95
12) 1,1-Dichloroethene	4.348	96	2619	0.664	ug/l #	51
13) Acrolein	4.183	56	1561m	2.836	ug/l	
14) Allyl chloride	5.036	41	2787m	0.481	ug/l	
15) Acrylonitrile	5.736	53	4581	2.215	ug/l #	27
16) Acetone	4.442	43	5228	2.963	ug/l	93
17) Carbon Disulfide	4.736	76	5810m	0.547	ug/l	
18) Methyl Acetate	5.053	43	3890m	0.525	ug/l	
19) Methyl tert-butyl Ether	5.800	73	7320	0.513	ug/l	99
20) Methylene Chloride	5.289	84	4129	0.781	ug/l #	65
21) trans-1,2-Dichloroethene	5.800	96	2745	0.620	ug/l #	62
22) Diisopropyl ether	6.689	45	6215	0.458	ug/l #	90
23) Vinyl Acetate	6.618	43	18531	2.203	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	4201	0.505	ug/l #	83
25) 2-Butanone	7.494	43	6422	2.327	ug/l #	81
26) 2,2-Dichloropropane	7.500	77	3725	0.527	ug/l	84
27) cis-1,2-Dichloroethene	7.489	96	3089	0.582	ug/l	92
28) Bromochloromethane	7.818	49	1490	0.414	ug/l #	88
29) Tetrahydrofuran	7.853	42	4739	2.622	ug/l #	69
30) Chloroform	7.971	83	4676	0.511	ug/l	92
31) Cyclohexane	8.230	56	12306	1.614	ug/l #	40
32) 1,1,1-Trichloroethane	8.171	97	4137	0.532	ug/l #	49
36) 1,1-Dichloropropene	8.383	75	3519	0.536	ug/l	89
37) Ethyl Acetate	7.553	43	3279m	0.560	ug/l	
38) Carbon Tetrachloride	8.359	117	3445	0.519	ug/l #	66
39) Methylcyclohexane	9.612	83	3966	0.493	ug/l #	76
40) Benzene	8.606	78	9949	0.513	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	1421	0.456	ug/l #	26
42) 1,2-Dichloroethane	8.677	62	4283	0.608	ug/l	80
43) Isopropyl Acetate	8.700	43	4604	0.482	ug/l #	92
44) Trichloroethene	9.347	130	2461	0.502	ug/l	56
45) 1,2-Dichloropropane	9.635	63	2466	0.499	ug/l #	88
46) Dibromomethane	9.706	93	1865	0.527	ug/l	92
47) Bromodichloromethane	9.894	83	3360	0.496	ug/l #	79
48) Methyl methacrylate	9.688	41	3260	0.719	ug/l #	58
49) 1,4-Dioxane	9.718	88	662	7.732	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	13122	2.309	ug/l	95
52) Toluene	10.635	92	5901	0.489	ug/l	95
53) t-1,3-Dichloropropene	10.853	75	3525	0.492	ug/l	100
54) cis-1,3-Dichloropropene	10.324	75	4019	0.509	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	2347	0.490	ug/l #	84
56) Ethyl methacrylate	10.882	69	3287	0.454	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	4768	0.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	7136	2.003	ug/l	98
59) 2-Hexanone	11.200	43	9703	2.308	ug/l	91
60) Dibromochloromethane	11.365	129	1931	0.390	ug/l	78
61) 1,2-Dibromoethane	11.477	107	2660	0.557	ug/l #	80
64) Tetrachloroethene	11.106	164	2221	0.543	ug/l	83
65) Chlorobenzene	11.900	112	6998	0.552	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.965	131	2653	0.605	ug/l #	50
67) Ethyl Benzene	11.971	91	11098	0.488	ug/l	96
68) m/p-Xylenes	12.076	106	8453	0.982	ug/l	96
69) o-Xylene	12.406	106	3975	0.469	ug/l	97
70) Styrene	12.418	104	6282	0.467	ug/l	91
71) Bromoform	12.588	173	1627	0.557	ug/l #	97
73) Isopropylbenzene	12.700	105	9826	0.480	ug/l	97
74) N-amyl acetate	12.506	43	3692	0.488	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.947	83	2905	0.462	ug/l	70
76) 1,2,3-Trichloropropane	13.006	75	3304m	0.556	ug/l	
77) Bromobenzene	12.982	156	2784	0.597	ug/l	89
78) n-propylbenzene	13.041	91	11050	0.458	ug/l	93
79) 2-Chlorotoluene	13.129	91	7651	0.532	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	8160	0.475	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	1020m	0.549	ug/l	
82) 4-Chlorotoluene	13.229	91	7732	0.540	ug/l	94
83) tert-Butylbenzene	13.441	119	6943	0.463	ug/l	79
84) 1,2,4-Trimethylbenzene	13.488	105	8483	0.502	ug/l	98
85) sec-Butylbenzene	13.623	105	9917	0.465	ug/l	90
86) p-Isopropyltoluene	13.735	119	7525	0.443	ug/l	91
87) 1,3-Dichlorobenzene	13.741	146	5279	0.612	ug/l	90
88) 1,4-Dichlorobenzene	13.818	146	5223m	0.610	ug/l	
89) n-Butylbenzene	14.065	91	6811	0.436	ug/l	97
90) Hexachloroethane	14.335	117	1463	0.524	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	4355	0.540	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	797m	0.654	ug/l	
93) 1,2,4-Trichlorobenzene	15.400	180	3144	0.667	ug/l	89
94) Hexachlorobutadiene	15.506	225	1216	0.622	ug/l	80
95) Naphthalene	15.641	128	8990	0.554	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.853	180	2841	0.616	ug/l	92

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

