

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077712.D
 Acq On : 17 May 2023 14:32
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 18 02:41:52 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	380742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	232794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	293492	51.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	231946	50.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	10.571	98	870341	49.482	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.859	95	277663	44.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	2930	0.676	ug/l #	39
3) Chloromethane	2.365	50	4573	0.880	ug/l	89
4) Vinyl Chloride	2.512	62	4303	0.788	ug/l #	70
5) Bromomethane	2.971	94	4798	1.187	ug/l	87
6) Chloroethane	3.142	64	5437m	1.381	ug/l	
7) Trichlorofluoromethane	3.512	101	5415	0.711	ug/l	95
8) Diethyl Ether	3.965	74	1700	0.612	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	2988	0.709	ug/l #	75
10) Methyl Iodide	4.606	142	3766m	0.749	ug/l	
11) Tert butyl alcohol	5.494	59	3279m	4.171	ug/l	
12) 1,1-Dichloroethene	4.359	96	3241	0.809	ug/l #	75
13) Acrolein	4.195	56	2783	4.978	ug/l #	56
14) Allyl chloride	5.030	41	4412m	0.750	ug/l	
15) Acrylonitrile	5.742	53	7321	3.485	ug/l #	91
16) Acetone	4.442	43	7603	4.242	ug/l #	71
17) Carbon Disulfide	4.706	76	7054	0.654	ug/l	95
18) Methyl Acetate	5.030	43	5249m	0.698	ug/l	
19) Methyl tert-butyl Ether	5.806	73	10168	0.701	ug/l	98
20) Methylene Chloride	5.283	84	5165	0.962	ug/l #	86
21) trans-1,2-Dichloroethene	5.794	96	3086	0.686	ug/l #	79
22) Diisopropyl ether	6.677	45	9156	0.664	ug/l #	80
23) Vinyl Acetate	6.618	43	24616	2.881	ug/l	100
24) 1,1-Dichloroethane	6.577	63	6818	0.807	ug/l #	81
25) 2-Butanone	7.494	43	9102	3.246	ug/l	92
26) 2,2-Dichloropropane	7.500	77	4946	0.689	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	3865	0.717	ug/l	85
28) Bromochloromethane	7.824	49	2470	0.676	ug/l #	85
29) Tetrahydrofuran	7.853	42	6045	3.293	ug/l #	82
30) Chloroform	7.971	83	7501	0.807	ug/l	85
31) Cyclohexane	8.230	56	14138	1.826	ug/l #	45
32) 1,1,1-Trichloroethane	8.183	97	5841	0.739	ug/l #	47
36) 1,1-Dichloropropene	8.383	75	4884	0.731	ug/l	92
37) Ethyl Acetate	7.571	43	4387	0.736	ug/l #	85
38) Carbon Tetrachloride	8.371	117	4720	0.699	ug/l	94
39) Methylcyclohexane	9.612	83	5830	0.712	ug/l	93
40) Benzene	8.612	78	14094	0.715	ug/l #	83

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41) Methacrylonitrile	7.783	41	2214m	0.698	ug/l	
42) 1,2-Dichloroethane	8.682	62	6081	0.849	ug/l	81
43) Isopropyl Acetate	8.694	43	6772	0.696	ug/l #	89
44) Trichloroethene	9.359	130	3467	0.694	ug/l	70
45) 1,2-Dichloropropane	9.618	63	3705	0.736	ug/l #	74
46) Dibromomethane	9.712	93	2763	0.767	ug/l	91
47) Bromodichloromethane	9.894	83	4992	0.724	ug/l	87
48) Methyl methacrylate	9.694	41	3654	0.792	ug/l #	83
49) 1,4-Dioxane	9.700	88	1042	11.958	ug/l #	74
51) 4-Methyl-2-Pentanone	10.453	43	18894	3.267	ug/l	92
52) Toluene	10.629	92	9195	0.749	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	4758	0.652	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	5386	0.670	ug/l #	75
55) 1,1,2-Trichloroethane	11.029	97	3119	0.640	ug/l #	88
56) Ethyl methacrylate	10.876	69	4661	0.632	ug/l #	84
57) 1,3-Dichloropropane	11.176	76	5966	0.714	ug/l #	88
58) 2-Chloroethyl Vinyl ether	10.171	63	11671	3.218	ug/l	95
59) 2-Hexanone	11.206	43	13190	3.083	ug/l	98
60) Dibromochloromethane	11.365	129	3420	0.679	ug/l	81
61) 1,2-Dibromoethane	11.482	107	3325	0.684	ug/l	89
64) Tetrachloroethene	11.112	164	3237	0.781	ug/l	95
65) Chlorobenzene	11.906	112	9307	0.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.971	131	2897	0.651	ug/l #	64
67) Ethyl Benzene	11.971	91	16403	0.712	ug/l	98
68) m/p-Xylenes	12.071	106	11040	1.265	ug/l	86
69) o-Xylene	12.406	106	5320	0.620	ug/l	77
70) Styrene	12.423	104	9031	0.662	ug/l	92
71) Bromoform	12.582	173	1797	0.607	ug/l #	91
73) Isopropylbenzene	12.700	105	13929	0.694	ug/l	99
74) N-amyl acetate	12.500	43	5556	0.749	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.941	83	4146	0.672	ug/l	73
76) 1,2,3-Trichloropropane	13.000	75	3178m	0.545	ug/l	
77) Bromobenzene	12.994	156	3680	0.804	ug/l	96
78) n-propylbenzene	13.041	91	17398	0.735	ug/l	100
79) 2-Chlorotoluene	13.135	91	10103	0.716	ug/l	93
80) 1,3,5-Trimethylbenzene	13.182	105	10809	0.641	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.729	75	837m	0.459	ug/l	
82) 4-Chlorotoluene	13.229	91	10880	0.775	ug/l	96
83) tert-Butylbenzene	13.441	119	11321	0.769	ug/l	90
84) 1,2,4-Trimethylbenzene	13.494	105	11274	0.680	ug/l	97
85) sec-Butylbenzene	13.623	105	14427	0.689	ug/l	97
86) p-Isopropyltoluene	13.735	119	9664	0.579	ug/l	85
87) 1,3-Dichlorobenzene	13.735	146	6023	0.711	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	7152m	0.851	ug/l	
89) n-Butylbenzene	14.065	91	10257	0.668	ug/l	93
90) Hexachloroethane	14.341	117	1968	0.718	ug/l	87
91) 1,2-Dichlorobenzene	14.117	146	6362	0.804	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.741	75	812m	0.679	ug/l	
93) 1,2,4-Trichlorobenzene	15.394	180	3142	0.680	ug/l	86
94) Hexachlorobutadiene	15.500	225	1237	0.644	ug/l	80
95) Naphthalene	15.653	128	10969	0.689	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	3359	0.742	ug/l	97

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

