

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077710.D
 Acq On : 17 May 2023 13:45
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 18 02:40:27 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	372925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	702108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	296180	53.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	8.171	113	236978	51.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.571	98	883006	50.107	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.853	95	280078	45.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1631	0.384	ug/l	86
3) Chloromethane	2.365	50	3205	0.630	ug/l	96
4) Vinyl Chloride	2.512	62	2128	0.398	ug/l #	81
5) Bromomethane	2.971	94	2853	0.721	ug/l #	66
6) Chloroethane	3.112	64	1119	0.290	ug/l #	43
7) Trichlorofluoromethane	3.501	101	2767	0.371	ug/l	96
8) Diethyl Ether	3.971	74	671	0.246	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.371	101	1423	0.345	ug/l	88
10) Methyl Iodide	4.612	142	2534	0.515	ug/l #	82
11) Tert butyl alcohol	5.536	59	2034m	2.641	ug/l	
12) 1,1-Dichloroethene	4.353	96	1454	0.371	ug/l #	68
13) Acrolein	4.189	56	293m	0.535	ug/l	
14) Allyl chloride	5.030	41	2211	0.384	ug/l #	32
15) Acrylonitrile	5.742	53	3335m	1.621	ug/l	
16) Acetone	4.448	43	3323m	1.893	ug/l	
17) Carbon Disulfide	4.718	76	4499	0.426	ug/l #	80
18) Methyl Acetate	5.048	43	3741	0.508	ug/l #	61
19) Methyl tert-butyl Ether	5.806	73	4676m	0.329	ug/l	
20) Methylene Chloride	5.277	84	3418m	0.650	ug/l	
21) trans-1,2-Dichloroethene	5.800	96	1693	0.384	ug/l #	58
22) Diisopropyl ether	6.689	45	4103	0.304	ug/l #	80
23) Vinyl Acetate	6.618	43	13239	1.582	ug/l #	82
24) 1,1-Dichloroethane	6.577	63	2623	0.317	ug/l #	81
25) 2-Butanone	7.506	43	4806	1.750	ug/l #	70
26) 2,2-Dichloropropane	7.512	77	2471	0.352	ug/l #	53
27) cis-1,2-Dichloroethene	7.506	96	2091	0.396	ug/l	90
29) Tetrahydrofuran	7.847	42	2866	1.594	ug/l #	31
30) Chloroform	7.977	83	3808	0.418	ug/l #	64
31) Cyclohexane	8.236	56	11388	1.502	ug/l #	52
32) 1,1,1-Trichloroethane	8.177	97	2947	0.381	ug/l #	42
36) 1,1-Dichloropropene	8.371	75	2289m	0.342	ug/l	
37) Ethyl Acetate	7.577	43	2462m	0.412	ug/l	
38) Carbon Tetrachloride	8.377	117	2271	0.336	ug/l #	67
39) Methylcyclohexane	9.612	83	2751	0.336	ug/l #	79
40) Benzene	8.612	78	7144	0.362	ug/l	95
41) Methacrylonitrile	7.789	41	1006	0.316	ug/l #	74

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.677	62	2979	0.415	ug/l #	73
43) Isopropyl Acetate	8.688	43	2684	0.275	ug/l	98
44) Trichloroethene	9.359	130	2173	0.434	ug/l	84
45) 1,2-Dichloropropane	9.630	63	1503	0.298	ug/l #	73
46) Dibromomethane	9.712	93	1366	0.379	ug/l	95
47) Bromodichloromethane	9.883	83	2605	0.377	ug/l #	76
48) Methyl methacrylate	9.683	41	1808	0.391	ug/l #	74
49) 1,4-Dioxane	9.712	88	568	6.506	ug/l #	56
51) 4-Methyl-2-Pentanone	10.447	43	8754	1.511	ug/l	96
52) Toluene	10.635	92	4461	0.363	ug/l	98
53) t-1,3-Dichloropropene	10.847	75	2115	0.289	ug/l #	70
54) cis-1,3-Dichloropropene	10.318	75	2297	0.285	ug/l #	79
55) 1,1,2-Trichloroethane	11.024	97	1771	0.363	ug/l #	77
56) Ethyl methacrylate	10.882	69	2585	0.350	ug/l	89
57) 1,3-Dichloropropane	11.171	76	2917	0.348	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	5043	1.388	ug/l	94
59) 2-Hexanone	11.200	43	6937	1.618	ug/l	92
60) Dibromochloromethane	11.359	129	1679	0.333	ug/l	86
61) 1,2-Dibromoethane	11.477	107	1609	0.330	ug/l	91
64) Tetrachloroethene	11.106	164	1676	0.404	ug/l #	50
65) Chlorobenzene	11.894	112	4720	0.367	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.971	131	1446	0.325	ug/l #	63
67) Ethyl Benzene	11.971	91	7753	0.336	ug/l #	87
68) m/p-Xylenes	12.076	106	4966	0.569	ug/l	79
69) o-Xylene	12.412	106	2899	0.338	ug/l	95
70) Styrene	12.418	104	4649	0.341	ug/l	93
71) Bromoform	12.594	173	644	0.218	ug/l #	59
73) Isopropylbenzene	12.706	105	7292	0.357	ug/l	96
74) N-amyl acetate	12.506	43	2790	0.369	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.947	83	2358	0.375	ug/l #	90
76) 1,2,3-Trichloropropane	13.000	75	2586m	0.436	ug/l	
77) Bromobenzene	12.988	156	2092	0.449	ug/l	93
78) n-propylbenzene	13.041	91	8280	0.344	ug/l	95
79) 2-Chlorotoluene	13.135	91	5326	0.370	ug/l	94
80) 1,3,5-Trimethylbenzene	13.182	105	5697	0.332	ug/l	97
82) 4-Chlorotoluene	13.229	91	6049	0.423	ug/l	97
83) tert-Butylbenzene	13.441	119	5265	0.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	5873	0.348	ug/l	100
85) sec-Butylbenzene	13.623	105	6049	0.284	ug/l	98
86) p-Isopropyltoluene	13.741	119	5201	0.306	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	3731	0.433	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	3622m	0.423	ug/l	
89) n-Butylbenzene	14.065	91	5678	0.363	ug/l	98
90) Hexachloroethane	14.335	117	730	0.262	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	3286	0.408	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.729	75	611	0.502	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.406	180	2637	0.560	ug/l	83
94) Hexachlorobutadiene	15.512	225	444	0.227	ug/l #	35
95) Naphthalene	15.647	128	9082	0.560	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.847	180	2546	0.552	ug/l	94

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