

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078480.D
 Acq On : 12 Jul 2023 14:53
 Operator : JC\MD
 Sample : 03572-09 .75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 13 04:33:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	425868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	737591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	621572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	179905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	311479	54.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.120%			
35) Dibromofluoromethane	8.177	113	271160	54.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	10.571	98	970719	51.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.853	95	271251	46.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	4350	0.833	ug/l #	69
3) Chloromethane	2.371	50	5710	1.006	ug/l	96
4) Vinyl Chloride	2.518	62	5662	0.771	ug/l	93
5) Bromomethane	2.965	94	6851	1.307	ug/l #	79
6) Chloroethane	3.118	64	10198	2.055	ug/l	95
7) Trichlorofluoromethane	3.506	101	7244	0.825	ug/l	100
8) Diethyl Ether	3.977	74	2194	0.750	ug/l	58
9) 1,1,2-Trichlorotrifluo...	4.377	101	4181	0.900	ug/l #	65
10) Methyl Iodide	4.600	142	4596	0.720	ug/l #	84
11) Tert butyl alcohol	5.547	59	4733	5.376	ug/l #	72
12) 1,1-Dichloroethene	4.342	96	4011	0.893	ug/l #	87
13) Acrolein	4.212	56	3642	4.205	ug/l	90
14) Allyl chloride	5.041	41	4525m	0.737	ug/l	
15) Acrylonitrile	5.730	53	7238	3.254	ug/l #	85
16) Acetone	4.465	43	9289m	5.223	ug/l	
17) Carbon Disulfide	4.730	76	10762	0.828	ug/l #	75
18) Methyl Acetate	5.036	43	6662	0.885	ug/l #	60
19) Methyl tert-butyl Ether	5.800	73	10567	0.714	ug/l #	87
20) Methylene Chloride	5.277	84	6875m	1.198	ug/l	
21) trans-1,2-Dichloroethene	5.800	96	4024	0.795	ug/l #	57
22) Diisopropyl ether	6.694	45	9783	0.712	ug/l #	78
23) Vinyl Acetate	6.612	43	34787	3.980	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	7333	0.792	ug/l	93
25) 2-Butanone	7.500	43	11127	3.975	ug/l #	83
26) 2,2-Dichloropropane	7.506	77	5873	0.775	ug/l #	53
27) cis-1,2-Dichloroethene	7.494	96	4237	0.723	ug/l	79
28) Bromochloromethane	7.812	49	2847	0.652	ug/l #	92
29) Tetrahydrofuran	7.859	42	7039	3.832	ug/l	89
30) Chloroform	7.977	83	8503	0.882	ug/l	90
31) Cyclohexane	8.241	56	15201	1.970	ug/l #	53
32) 1,1,1-Trichloroethane	8.182	97	6740	0.779	ug/l #	49
36) 1,1-Dichloropropene	8.382	75	6368	0.881	ug/l #	88
37) Ethyl Acetate	7.577	43	4283	0.711	ug/l #	81
38) Carbon Tetrachloride	8.365	117	5174	0.658	ug/l #	59
39) Methylcyclohexane	9.600	83	4957	0.751	ug/l #	82
40) Benzene	8.618	78	16051	0.749	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.800	41	2147	0.699	ug/l #	90
42) 1,2-Dichloroethane	8.677	62	6940	0.953	ug/l	99
43) Isopropyl Acetate	8.694	43	7676	0.774	ug/l	95
44) Trichloroethene	9.359	130	4234	0.733	ug/l	96
45) 1,2-Dichloropropane	9.635	63	4500	0.830	ug/l	99
46) Dibromomethane	9.724	93	3239	0.848	ug/l	94
47) Bromodichloromethane	9.900	83	6617	0.865	ug/l	97
48) Methyl methacrylate	9.688	41	3657	0.796	ug/l	86
49) 1,4-Dioxane	9.700	88	1956	19.511	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	19813	3.357	ug/l	89
52) Toluene	10.635	92	9881	0.744	ug/l	86
53) t-1,3-Dichloropropene	10.847	75	5917	0.755	ug/l	96
54) cis-1,3-Dichloropropene	10.323	75	6415	0.768	ug/l #	76
55) 1,1,2-Trichloroethane	11.029	97	4278	0.818	ug/l	96
56) Ethyl methacrylate	10.888	69	5115	0.700	ug/l #	67
57) 1,3-Dichloropropane	11.171	76	6226	0.700	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.165	63	7413	2.845	ug/l	93
59) 2-Hexanone	11.206	43	14641	3.490	ug/l	84
60) Dibromochloromethane	11.370	129	4074	0.706	ug/l	99
61) 1,2-Dibromoethane	11.470	107	4196	0.779	ug/l	99
64) Tetrachloroethene	11.112	164	4673	1.000	ug/l	82
65) Chlorobenzene	11.894	112	9882	0.711	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.965	131	4269	0.799	ug/l #	59
67) Ethyl Benzene	11.970	91	17078	0.727	ug/l	100
68) m/p-Xylenes	12.082	106	12458	1.435	ug/l	94
69) o-Xylene	12.400	106	6441	0.734	ug/l	88
70) Styrene	12.417	104	8244	0.601	ug/l	94
71) Bromoform	12.588	173	2265	0.626	ug/l #	97
73) Isopropylbenzene	12.700	105	14782	0.874	ug/l	96
74) N-amyl acetate	12.500	43	4703	0.807	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.935	83	5674	0.994	ug/l #	89
76) 1,2,3-Trichloropropane	13.000	75	4856m	1.117	ug/l	
77) Bromobenzene	12.976	156	3891m	0.937	ug/l	
78) n-propylbenzene	13.041	91	14993	0.829	ug/l	99
79) 2-Chlorotoluene	13.135	91	10097	0.853	ug/l	95
80) 1,3,5-Trimethylbenzene	13.182	105	10614	0.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	1331m	0.804	ug/l	
82) 4-Chlorotoluene	13.229	91	8922	0.808	ug/l	96
83) tert-Butylbenzene	13.447	119	9484	0.836	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	8057	0.621	ug/l	82
85) sec-Butylbenzene	13.623	105	10404	0.726	ug/l	89
86) p-Isopropyltoluene	13.741	119	8314	0.722	ug/l	96
87) 1,3-Dichlorobenzene	13.741	146	4758	0.733	ug/l	87
88) 1,4-Dichlorobenzene	13.741	146	4758	0.728	ug/l	84
89) n-Butylbenzene	14.064	91	5058	0.614	ug/l	97
90) Hexachloroethane	14.347	117	2510	1.032	ug/l	92
91) 1,2-Dichlorobenzene	14.117	146	5772	0.894	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.735	75	790	0.840	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	1350	0.655	ug/l #	74
94) Hexachlorobutadiene	15.506	225	1054	0.781	ug/l #	66
95) Naphthalene	15.658	128	4860	0.690	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1824	0.770	ug/l	85

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

