

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078467.D
 Acq On : 11 Jul 2023 17:27
 Operator : JC\MD
 Sample : 03572-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 12 02:48:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 12 02:45:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	459417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	815636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	699427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209762	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	328976	53.414	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.820%	
35) Dibromofluoromethane	8.177	113	286244	51.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.400%	
50) Toluene-d8	10.576	98	1044121	49.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.853	95	297411	46.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.320%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	15508	2.753	ug/l	79
3) Chloromethane	2.371	50	19239	3.142	ug/l	89
4) Vinyl Chloride	2.518	62	22512	2.843	ug/l	95
5) Bromomethane	2.953	94	17059	3.016	ug/l	84
6) Chloroethane	3.118	64	15630	2.920	ug/l	98
7) Trichlorofluoromethane	3.500	101	26619	2.812	ug/l	84
8) Diethyl Ether	3.965	74	9169	2.907	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.395	101	14251	2.844	ug/l #	20
10) Methyl Iodide	4.600	142	15249	2.214	ug/l #	95
11) Tert butyl alcohol	5.536	59	14620	15.394	ug/l #	93
12) 1,1-Dichloroethene	4.347	96	13078	2.698	ug/l	89
13) Acrolein	4.195	56	10510	11.248	ug/l	91
14) Allyl chloride	5.030	41	17671	2.668	ug/l	94
15) Acrylonitrile	5.736	53	32880	13.702	ug/l	98
16) Acetone	4.447	43	25552	13.319	ug/l	96
17) Carbon Disulfide	4.724	76	34190	2.439	ug/l	96
18) Methyl Acetate	5.047	43	23477	2.891	ug/l #	88
19) Methyl tert-butyl Ether	5.806	73	39954	2.501	ug/l	95
20) Methylene Chloride	5.289	84	20693	3.341	ug/l #	96
21) trans-1,2-Dichloroethene	5.789	96	14047m	2.571	ug/l	
22) Diisopropyl ether	6.677	45	38390	2.588	ug/l #	92
23) Vinyl Acetate	6.618	43	117452m	12.456	ug/l	
24) 1,1-Dichloroethane	6.583	63	27965	2.798	ug/l	99
25) 2-Butanone	7.494	43	40691	13.474	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	20068	2.455	ug/l	88
27) cis-1,2-Dichloroethene	7.488	96	16538	2.617	ug/l	98
28) Bromochloromethane	7.824	49	12347	2.623	ug/l	97
29) Tetrahydrofuran	7.847	42	25414	12.825	ug/l	85
30) Chloroform	7.971	83	27818	2.673	ug/l	86
31) Cyclohexane	8.271	56	29673	3.565	ug/l #	80
32) 1,1,1-Trichloroethane	8.183	97	25487	2.732	ug/l #	51
36) 1,1-Dichloropropene	8.377	75	19594	2.451	ug/l	97
37) Ethyl Acetate	7.571	43	18899	2.836	ug/l #	86
38) Carbon Tetrachloride	8.371	117	22132	2.547	ug/l #	80
39) Methylcyclohexane	9.612	83	17381	2.382	ug/l #	84
40) Benzene	8.612	78	61610	2.601	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	8582	2.526	ug/l	94
42) 1,2-Dichloroethane	8.677	62	21075	2.616	ug/l	98
43) Isopropyl Acetate	8.694	43	27167	2.476	ug/l	96
44) Trichloroethene	9.359	130	16262	2.548	ug/l	92
45) 1,2-Dichloropropane	9.635	63	15229	2.539	ug/l	90
46) Dibromomethane	9.724	93	11132	2.637	ug/l	94
47) Bromodichloromethane	9.888	83	22292	2.634	ug/l #	92
48) Methyl methacrylate	9.688	41	10414	2.049	ug/l	94
49) 1,4-Dioxane	9.706	88	5067	45.707	ug/l #	60
51) 4-Methyl-2-Pentanone	10.453	43	80281	12.301	ug/l	91
52) Toluene	10.635	92	37595	2.561	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	20208	2.331	ug/l #	86
54) cis-1,3-Dichloropropene	10.324	75	22998	2.488	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	15111	2.613	ug/l	95
56) Ethyl methacrylate	10.882	69	20056	2.481	ug/l #	85
57) 1,3-Dichloropropane	11.171	76	26982	2.744	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	33487	11.623	ug/l	98
59) 2-Hexanone	11.206	43	55628	11.993	ug/l	90
60) Dibromochloromethane	11.371	129	14672	2.298	ug/l	97
61) 1,2-Dibromoethane	11.476	107	15885	2.666	ug/l	88
64) Tetrachloroethene	11.106	164	14815	2.817	ug/l #	86
65) Chlorobenzene	11.900	112	37982	2.429	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.965	131	15013	2.496	ug/l	96
67) Ethyl Benzene	11.970	91	62924	2.381	ug/l	95
68) m/p-Xylenes	12.076	106	44635	4.568	ug/l	97
69) o-Xylene	12.400	106	22376	2.267	ug/l	95
70) Styrene	12.418	104	32328	2.094	ug/l	96
71) Bromoform	12.576	173	9500	2.332	ug/l #	99
73) Isopropylbenzene	12.700	105	53893	2.734	ug/l	97
74) N-amyl acetate	12.500	43	17766	2.616	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	19889	2.988	ug/l	94
76) 1,2,3-Trichloropropane	13.000	75	24378	4.808	ug/l	63
77) Bromobenzene	12.988	156	14399	2.974	ug/l	91
78) n-propylbenzene	13.041	91	56683	2.689	ug/l	100
79) 2-Chlorotoluene	13.129	91	35805	2.593	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	40340	2.590	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	5220	2.705	ug/l	88
82) 4-Chlorotoluene	13.223	91	32470	2.521	ug/l	99
83) tert-Butylbenzene	13.441	119	36317	2.747	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	36638	2.422	ug/l	95
85) sec-Butylbenzene	13.623	105	43178	2.584	ug/l	100
86) p-Isopropyltoluene	13.735	119	33492	2.496	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	19032	2.515	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	17294	2.269	ug/l	83
89) n-Butylbenzene	14.064	91	22025	2.294	ug/l	96
90) Hexachloroethane	14.335	117	8029	2.831	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	19999	2.656	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3239	2.952	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	3703	1.541	ug/l	87
94) Hexachlorobutadiene	15.506	225	4149	2.638	ug/l	95
95) Naphthalene	15.647	128	12081	1.470	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	4440	1.607	ug/l	95

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

