

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078464.D
 Acq On : 11 Jul 2023 14:49
 Operator : JC\MD
 Sample : 03572-07 .2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 12 02:46:41 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	8.235	168	427613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	771650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	637728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	168005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306148	53.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.800%	
35) Dibromofluoromethane	8.171	113	265717	50.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.460%	
50) Toluene-d8	10.576	98	940200	47.513	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.020%	
62) 4-Bromofluorobenzene	12.853	95	232942	38.217	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 76.440%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	1454	0.277	ug/l	91
3) Chloromethane	2.371	50	3130	0.549	ug/l #	71
4) Vinyl Chloride	2.518	62	3201	0.434	ug/l #	87
5) Bromomethane	2.959	94	3813	0.724	ug/l #	71
6) Chloroethane	3.106	64	657	0.132	ug/l #	43
7) Trichlorofluoromethane	3.506	101	1959	0.222	ug/l #	52
8) Diethyl Ether	3.983	74	213	0.073	ug/l #	51
9) 1,1,2-Trichlorotrifluo...	4.395	101	549	0.118	ug/l #	76
10) Methyl Iodide	4.606	142	2460	0.384	ug/l #	78
11) Tert butyl alcohol	5.518	59	1767m	1.999	ug/l	
12) 1,1-Dichloroethene	4.347	96	760	0.168	ug/l	83
13) Acrolein	4.189	56	502	0.577	ug/l #	16
14) Allyl chloride	5.036	41	1005	0.163	ug/l #	88
15) Acrylonitrile	5.741	53	1186	0.531	ug/l #	57
16) Acetone	4.436	43	1128	0.632	ug/l #	40
17) Carbon Disulfide	4.712	76	4924	0.377	ug/l	96
18) Methyl Acetate	5.077	43	2395	0.317	ug/l #	42
19) Methyl tert-butyl Ether	5.800	73	1341	0.090	ug/l #	85
20) Methylene Chloride	5.271	84	1379	0.239	ug/l #	58
21) trans-1,2-Dichloroethene	5.800	96	706	0.139	ug/l #	74
22) Diisopropyl ether	6.671	45	1044	0.076	ug/l #	71
23) Vinyl Acetate	6.624	43	6881	0.784	ug/l #	84
24) 1,1-Dichloroethane	6.559	63	2016	0.217	ug/l #	81
25) 2-Butanone	7.512	43	3536	1.258	ug/l #	58
26) 2,2-Dichloropropane	7.477	77	532	0.070	ug/l	93
27) cis-1,2-Dichloroethene	7.494	96	1076	0.183	ug/l	67
28) Bromochloromethane	7.824	49	860	0.196	ug/l #	49
29) Tetrahydrofuran	7.859	42	1266	0.686	ug/l #	51
30) Chloroform	7.977	83	2704	0.279	ug/l #	42
31) Cyclohexane	8.230	56	10774	1.391	ug/l #	22
32) 1,1,1-Trichloroethane	8.177	97	1300	0.150	ug/l #	34
36) 1,1-Dichloropropene	8.383	75	1661	0.220	ug/l #	81
37) Ethyl Acetate	7.577	43	1412	0.224	ug/l #	81
38) Carbon Tetrachloride	8.371	117	1958	0.238	ug/l #	95
39) Methylcyclohexane	9.606	83	1700	0.246	ug/l #	61
40) Benzene	8.606	78	5033	0.225	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.800	41	350	0.109	ug/l #	62
42) 1,2-Dichloroethane	8.677	62	2324	0.305	ug/l #	73
43) Isopropyl Acetate	8.700	43	2171	0.209	ug/l #	90
44) Trichloroethene	9.353	130	1488	0.246	ug/l	49
45) 1,2-Dichloropropane	9.635	63	1255	0.221	ug/l	90
46) Dibromomethane	9.706	93	838	0.210	ug/l #	84
47) Bromodichloromethane	9.888	83	2060	0.257	ug/l #	64
48) Methyl methacrylate	9.694	41	659	0.137	ug/l #	42
49) 1,4-Dioxane	9.700	88	112	1.068	ug/l #	4
51) 4-Methyl-2-Pentanone	10.453	43	5420	0.878	ug/l	96
52) Toluene	10.635	92	3060	0.220	ug/l	90
53) t-1,3-Dichloropropene	10.835	75	1377	0.168	ug/l #	1
54) cis-1,3-Dichloropropene	10.324	75	1851	0.212	ug/l #	71
55) 1,1,2-Trichloroethane	11.012	97	1062	0.194	ug/l #	84
56) Ethyl methacrylate	10.882	69	1006	0.132	ug/l #	26
57) 1,3-Dichloropropane	11.165	76	1703	0.183	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.171	63	2007	0.736	ug/l	98
59) 2-Hexanone	11.200	43	4741	1.080	ug/l	85
60) Dibromochloromethane	11.365	129	1205	0.199	ug/l	88
61) 1,2-Dibromoethane	11.482	107	1140	0.202	ug/l	88
64) Tetrachloroethene	11.106	164	1036	0.216	ug/l #	71
65) Chlorobenzene	11.906	112	3419	0.240	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	11.970	131	1095	0.200	ug/l #	55
67) Ethyl Benzene	11.965	91	4729	0.196	ug/l	93
68) m/p-Xylenes	12.070	106	3492	0.392	ug/l	93
69) o-Xylene	12.400	106	1994	0.222	ug/l	92
70) Styrene	12.423	104	2777	0.197	ug/l	95
71) Bromoform	12.582	173	543	0.146	ug/l #	97
73) Isopropylbenzene	12.700	105	3343	0.212	ug/l	100
74) N-amyl acetate	12.500	43	2010	0.369	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.941	83	1654	0.310	ug/l #	63
76) 1,2,3-Trichloropropane	12.994	75	1928m	0.475	ug/l	
77) Bromobenzene	12.976	156	982	0.253	ug/l	73
78) n-propylbenzene	13.047	91	4998	0.296	ug/l	99
79) 2-Chlorotoluene	13.129	91	2822	0.255	ug/l	88
80) 1,3,5-Trimethylbenzene	13.176	105	3093	0.248	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	184m	0.119	ug/l	
82) 4-Chlorotoluene	13.229	91	3232	0.313	ug/l	100
83) tert-Butylbenzene	13.441	119	2714	0.256	ug/l	84
84) 1,2,4-Trimethylbenzene	13.482	105	3077	0.254	ug/l	94
85) sec-Butylbenzene	13.623	105	3283	0.245	ug/l #	75
86) p-Isopropyltoluene	13.741	119	2635	0.245	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	1692	0.279	ug/l	97
88) 1,4-Dichlorobenzene	13.735	146	1692	0.277	ug/l	98
89) n-Butylbenzene	14.059	91	2461	0.320	ug/l	80
90) Hexachloroethane	14.335	117	521	0.229	ug/l	90
91) 1,2-Dichlorobenzene	14.117	146	2113	0.350	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.753	75	277	0.315	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.400	180	699	0.363	ug/l #	67
94) Hexachlorobutadiene	15.500	225	707	0.561	ug/l	65
95) Naphthalene	15.653	128	3474	0.528	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	987	0.446	ug/l	84

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

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