

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078468.D
 Acq On : 11 Jul 2023 17:51
 Operator : JC\MD
 Sample : 03572-08 1.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Quant Time: Jul 12 02:49:52 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	380115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	683249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	572305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	161828	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	330659	64.888	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.780%#	
35) Dibromofluoromethane	8.177	113	284126	61.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 122.520%	
50) Toluene-d8	10.576	98	1004624	57.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.680%#	
62) 4-Bromofluorobenzene	12.853	95	276428	51.219	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.440%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.136	85	5365	1.151	ug/l	76
3) Chloromethane	2.371	50	6885	1.359	ug/l	91
4) Vinyl Chloride	2.518	62	7698	1.175	ug/l #	83
5) Bromomethane	2.953	94	7153	1.529	ug/l #	72
6) Chloroethane	3.124	64	7406	1.672	ug/l #	81
7) Trichlorofluoromethane	3.494	101	9293	1.186	ug/l #	73
8) Diethyl Ether	3.971	74	3225	1.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.383	101	5084	1.226	ug/l #	93
10) Methyl Iodide	4.600	142	6216	1.091	ug/l	94
11) Tert butyl alcohol	5.541	59	8578m	10.916	ug/l	
12) 1,1-Dichloroethene	4.353	96	5063	1.262	ug/l	82
13) Acrolein	4.189	56	3040	3.932	ug/l #	66
14) Allyl chloride	5.047	41	6256	1.141	ug/l #	74
15) Acrylonitrile	5.735	53	10500	5.289	ug/l	95
16) Acetone	4.453	43	9807	6.178	ug/l #	84
17) Carbon Disulfide	4.724	76	12724	1.097	ug/l #	90
18) Methyl Acetate	5.059	43	8664	1.289	ug/l #	69
19) Methyl tert-butyl Ether	5.806	73	13682	1.035	ug/l #	88
20) Methylene Chloride	5.277	84	9033m	1.763	ug/l	
21) trans-1,2-Dichloroethene	5.788	96	4790	1.060	ug/l #	71
22) Diisopropyl ether	6.694	45	11838	0.965	ug/l #	86
23) Vinyl Acetate	6.618	43	36472	4.675	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	9202	1.113	ug/l #	89
25) 2-Butanone	7.506	43	14239	5.699	ug/l	100
26) 2,2-Dichloropropane	7.488	77	8323	1.231	ug/l #	53
27) cis-1,2-Dichloroethene	7.500	96	6114	1.169	ug/l	96
28) Bromochloromethane	7.812	49	4110	1.055	ug/l #	97
29) Tetrahydrofuran	7.853	42	9099	5.550	ug/l #	76
30) Chloroform	7.976	83	9937	1.154	ug/l #	71
31) Cyclohexane	8.247	56	15677	2.276	ug/l #	69
32) 1,1,1-Trichloroethane	8.177	97	8656	1.121	ug/l #	50
36) 1,1-Dichloropropene	8.376	75	6903	1.031	ug/l	95
37) Ethyl Acetate	7.577	43	4075	0.730	ug/l #	85
38) Carbon Tetrachloride	8.365	117	7883	1.083	ug/l #	93
39) Methylcyclohexane	9.606	83	6744	1.103	ug/l #	85
40) Benzene	8.612	78	21352	1.076	ug/l	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	3165	1.112	ug/l #	55
42) 1,2-Dichloroethane	8.671	62	8918	1.321	ug/l	95
43) Isopropyl Acetate	8.706	43	10587	1.152	ug/l #	49
44) Trichloroethene	9.353	130	5854	1.095	ug/l	90
45) 1,2-Dichloropropane	9.635	63	5184	1.032	ug/l	97
46) Dibromomethane	9.718	93	4245	1.200	ug/l	100
47) Bromodichloromethane	9.900	83	7858	1.108	ug/l #	70
48) Methyl methacrylate	9.688	41	4489	1.054	ug/l #	90
49) 1,4-Dioxane	9.712	88	2067	22.258	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	26969	4.933	ug/l	91
52) Toluene	10.635	92	12791	1.040	ug/l	98
53) t-1,3-Dichloropropene	10.847	75	6463	0.890	ug/l	90
54) cis-1,3-Dichloropropene	10.312	75	8763	1.132	ug/l #	79
55) 1,1,2-Trichloroethane	11.017	97	5405	1.116	ug/l	93
56) Ethyl methacrylate	10.882	69	6728	0.993	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	8500	1.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.170	63	7812	3.237	ug/l	95
59) 2-Hexanone	11.206	43	17727	4.562	ug/l	97
60) Dibromochloromethane	11.370	129	6145	1.149	ug/l	81
61) 1,2-Dibromoethane	11.476	107	5038	1.009	ug/l	99
64) Tetrachloroethene	11.112	164	4933	1.146	ug/l #	87
65) Chlorobenzene	11.900	112	14674	1.147	ug/l #	77
66) 1,1,1,2-Tetrachloroethane	11.964	131	5427	1.103	ug/l #	57
67) Ethyl Benzene	11.964	91	20354	0.941	ug/l	93
68) m/p-Xylenes	12.076	106	14269	1.785	ug/l	93
69) o-Xylene	12.400	106	6487	0.803	ug/l	86
70) Styrene	12.417	104	10937	0.866	ug/l	96
71) Bromoform	12.582	173	2802	0.841	ug/l #	79
73) Isopropylbenzene	12.700	105	16302	1.072	ug/l	93
74) N-amyl acetate	12.500	43	5262	1.004	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	7378	1.437	ug/l	99
76) 1,2,3-Trichloropropane	13.006	75	7826	2.001	ug/l	66
77) Bromobenzene	12.982	156	5173	1.385	ug/l	83
78) n-propylbenzene	13.041	91	18836	1.158	ug/l	97
79) 2-Chlorotoluene	13.129	91	12614	1.184	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	14459	1.203	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.747	75	1646m	1.106	ug/l	
82) 4-Chlorotoluene	13.223	91	9980	1.004	ug/l	88
83) tert-Butylbenzene	13.441	119	11850	1.162	ug/l	86
84) 1,2,4-Trimethylbenzene	13.482	105	11490	0.985	ug/l	98
85) sec-Butylbenzene	13.623	105	13458	1.044	ug/l	93
86) p-Isopropyltoluene	13.735	119	10643	1.028	ug/l	94
87) 1,3-Dichlorobenzene	13.741	146	6566	1.125	ug/l	90
88) 1,4-Dichlorobenzene	13.741	146	6566	1.117	ug/l	92
89) n-Butylbenzene	14.058	91	6660	0.899	ug/l	88
90) Hexachloroethane	14.341	117	2705	1.236	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	5961	1.026	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.711	75	1129	1.334	ug/l	89
93) 1,2,4-Trichlorobenzene	15.405	180	1277	0.689	ug/l	80
94) Hexachlorobutadiene	15.511	225	1376	1.134	ug/l	81
95) Naphthalene	15.652	128	5497	0.867	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.852	180	1980m	0.929	ug/l	

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

