

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078469.D
 Acq On : 11 Jul 2023 18:16
 Operator : JC\MD
 Sample : 03572-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 12 02:50:43 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	440761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	774519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	667584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205515	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	318391	53.884	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.760%	
35) Dibromofluoromethane	8.171	113	279458	53.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	10.571	98	1014235	51.064	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.853	95	294908	48.204	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.400%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.130	85	29314	5.425	ug/l	89
3) Chloromethane	2.371	50	31792	5.413	ug/l	96
4) Vinyl Chloride	2.518	62	42167	5.550	ug/l	97
5) Bromomethane	2.942	94	29827	5.497	ug/l	96
6) Chloroethane	3.118	64	30830	6.003	ug/l #	86
7) Trichlorofluoromethane	3.495	101	48954	5.390	ug/l	94
8) Diethyl Ether	3.965	74	14297	4.725	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.377	101	25404	5.284	ug/l	98
10) Methyl Iodide	4.600	142	29846	4.517	ug/l	92
11) Tert butyl alcohol	5.547	59	25617	28.115	ug/l	100
12) 1,1-Dichloroethene	4.342	96	24329	5.231	ug/l	91
13) Acrolein	4.200	56	21114	23.553	ug/l	92
14) Allyl chloride	5.036	41	34810	5.478	ug/l	90
15) Acrylonitrile	5.747	53	57995	25.191	ug/l	97
16) Acetone	4.447	43	48017	26.087	ug/l	91
17) Carbon Disulfide	4.718	76	62654	4.659	ug/l	96
18) Methyl Acetate	5.047	43	40010	5.135	ug/l	91
19) Methyl tert-butyl Ether	5.812	73	77170	5.036	ug/l	93
20) Methylene Chloride	5.283	84	33356	5.614	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	27711	5.287	ug/l	87
22) Diisopropyl ether	6.683	45	70792	4.975	ug/l #	92
23) Vinyl Acetate	6.618	43	214729	23.736	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	47081	4.910	ug/l	96
25) 2-Butanone	7.494	43	76569	26.427	ug/l #	82
26) 2,2-Dichloropropane	7.506	77	37332	4.760	ug/l	93
27) cis-1,2-Dichloroethene	7.494	96	30120	4.968	ug/l	94
28) Bromochloromethane	7.824	49	23430	5.188	ug/l	94
29) Tetrahydrofuran	7.859	42	48872	25.706	ug/l #	84
30) Chloroform	7.977	83	52796	5.289	ug/l	92
31) Cyclohexane	8.259	56	43483	5.445	ug/l	88
32) 1,1,1-Trichloroethane	8.183	97	46640	5.211	ug/l #	50
36) 1,1-Dichloropropene	8.383	75	35136	4.628	ug/l	99
37) Ethyl Acetate	7.577	43	31424	4.965	ug/l	95
38) Carbon Tetrachloride	8.377	117	41286	5.004	ug/l	90
39) Methylcyclohexane	9.612	83	30627	4.420	ug/l #	89
40) Benzene	8.618	78	112692	5.011	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	16550	5.130	ug/l	97
42) 1,2-Dichloroethane	8.682	62	38711	5.060	ug/l	95
43) Isopropyl Acetate	8.694	43	54994	5.278	ug/l #	95
44) Trichloroethene	9.365	130	28667	4.729	ug/l	93
45) 1,2-Dichloropropane	9.629	63	28190	4.949	ug/l	97
46) Dibromomethane	9.718	93	20356	5.077	ug/l	88
47) Bromodichloromethane	9.894	83	41024	5.105	ug/l	91
48) Methyl methacrylate	9.694	41	22339	4.628	ug/l	90
49) 1,4-Dioxane	9.706	88	11196	106.356	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	158762	25.618	ug/l	92
52) Toluene	10.635	92	71705	5.144	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	38129	4.631	ug/l	89
54) cis-1,3-Dichloropropene	10.318	75	43672	4.976	ug/l #	92
55) 1,1,2-Trichloroethane	11.024	97	27462	5.000	ug/l #	84
56) Ethyl methacrylate	10.882	69	34139	4.447	ug/l #	88
57) 1,3-Dichloropropane	11.165	76	47755	5.114	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	58607	21.421	ug/l	98
59) 2-Hexanone	11.200	43	105049	23.850	ug/l	89
60) Dibromochloromethane	11.365	129	29307	4.834	ug/l	98
61) 1,2-Dibromoethane	11.471	107	28409	5.021	ug/l	93
64) Tetrachloroethene	11.112	164	25989	5.178	ug/l	94
65) Chlorobenzene	11.894	112	71229	4.773	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.965	131	27174	4.734	ug/l	99
67) Ethyl Benzene	11.970	91	116468	4.617	ug/l	96
68) m/p-Xylenes	12.076	106	85489	9.167	ug/l	98
69) o-Xylene	12.406	106	43143	4.580	ug/l	96
70) Styrene	12.418	104	62007	4.208	ug/l	97
71) Bromoform	12.582	173	18096	4.655	ug/l #	96
73) Isopropylbenzene	12.700	105	102996	5.334	ug/l	100
74) N-amyl acetate	12.500	43	33697	5.063	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	38393	5.888	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	33001m	6.643	ug/l	
77) Bromobenzene	12.982	156	25124	5.297	ug/l	98
78) n-propylbenzene	13.041	91	109911	5.322	ug/l	99
79) 2-Chlorotoluene	13.135	91	73552	5.437	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	83604	5.479	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	10307	5.452	ug/l	95
82) 4-Chlorotoluene	13.229	91	63216	5.009	ug/l	93
83) tert-Butylbenzene	13.447	119	72770	5.617	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	74736	5.043	ug/l	98
85) sec-Butylbenzene	13.623	105	85901	5.246	ug/l	99
86) p-Isopropyltoluene	13.735	119	67218	5.112	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	36548	4.930	ug/l	95
88) 1,4-Dichlorobenzene	13.823	146	34985	4.685	ug/l	93
89) n-Butylbenzene	14.064	91	44832	4.766	ug/l	99
90) Hexachloroethane	14.341	117	15300	5.506	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	35264	4.780	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5427	5.048	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	6815	2.894	ug/l	92
94) Hexachlorobutadiene	15.500	225	6669	4.328	ug/l	90
95) Naphthalene	15.647	128	22404	2.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	8745	3.230	ug/l	88

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

