

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
 Data File : VN078735.D
 Acq On : 02 Aug 2023 17:14
 Operator : JC\MD
 Sample : 03572-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 03 05:33:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

08/03/2023
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.824	128	94908	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	511630	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	435672	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	210419	29.577	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.600%
60) 4-Bromofluorobenzene	12.853	95	163267	25.006	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.367%
63) Toluene-d8	10.570	98	644339	29.939	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	32466	5.423	ug/l	99
3) Chloromethane	2.371	50	47924	6.503	ug/l	98
4) Vinyl Chloride	2.524	62	59401	5.932	ug/l #	87
5) Bromomethane	2.959	94	36007	4.810	ug/l	97
6) Chloroethane	3.124	64	30824	4.726	ug/l	99
7) Trichlorofluoromethane	3.500	101	54342	5.290	ug/l	99
8) Diethyl Ether	3.983	74	15969	4.761	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	28946m	5.249	ug/l	
10) 1,1-Dichloroethene	4.341	96	26799	5.068	ug/l	83
11) Methyl Iodide	4.594	142	36843m	4.957	ug/l	
12) Methyl Acetate	5.047	43	42510m	4.957	ug/l	
13) Acrolein	4.194	56	23209	25.412	ug/l #	70
14) Acrylonitrile	5.730	53	63427m	25.256	ug/l	
15) Acetone	4.441	58	17246	23.702	ug/l	88
16) Carbon Disulfide	4.718	76	73142	4.897	ug/l #	94
17) Allyl chloride	5.030	41	35612m	4.933	ug/l	
18) Methylene Chloride	5.288	84	35960	5.669	ug/l #	82
19) trans-1,2-Dichloroethene	5.800	96	29550	4.834	ug/l	90
20) Diisopropyl ether	6.688	45	75397	4.638	ug/l	95
21) 1,1-Dichloroethane	6.583	63	54963	5.106	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	31964	4.656	ug/l	96
23) tert-Butyl Alcohol	5.547	59	27234	26.538	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	82573	4.644	ug/l	93
25) Chloroform	7.977	83	56488	4.957	ug/l	100
26) Cyclohexane	8.265	56	36560	4.611	ug/l #	99
29) 1,1-Dichloropropene	8.382	75	37169	4.937	ug/l	95
30) 2-Butanone	7.500	43	79251	26.630	ug/l	95
31) 2,2-Dichloropropane	7.506	77	43707	5.060	ug/l #	83
32) 1,1,1-Trichloroethane	8.182	97	53481	5.615	ug/l	97
33) Carbon Tetrachloride	8.365	117	45757	5.409	ug/l	91
34) Benzene	8.618	78	121958	5.393	ug/l #	93
35) Methacrylonitrile	7.794	41	16016	4.901	ug/l	83
36) 1,2-Dichloroethane	8.677	62	43808	5.516	ug/l #	87
37) Trichloroethene	9.359	130	33431	5.268	ug/l	99
38) Methylcyclohexane	9.606	83	35386	4.575	ug/l	94
39) 1,2-Dichloropropane	9.629	63	31050	5.122	ug/l	94
40) Dibromomethane	9.718	93	22940	5.467	ug/l	98
41) Bromodichloromethane	9.894	83	44007	5.246	ug/l #	92
42) Vinyl Acetate	6.618	43	226313	23.654	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.582	43	28380	4.613	ug/l	#	75
44) Isopropyl Acetate	8.700	43	55157	5.110	ug/l		99
45) 1,4-Dioxane	9.712	88	10580	106.551	ug/l	#	85
46) Methyl methacrylate	9.688	41	24291	4.914	ug/l		85
47) n-amyl Acetate	12.500	43	34506	4.151	ug/l		97
48) t-1,3-Dichloropropene	10.847	75	41865	4.676	ug/l	#	85
49) cis-1,3-Dichloropropene	10.318	75	47238	4.968	ug/l		95
50) 1,1,2-Trichloroethane	11.023	97	31544	5.311	ug/l		97
51) Ethyl methacrylate	10.882	69	35473	4.362	ug/l		87
52) 1,3-Dichloropropane	11.170	76	49982	4.682	ug/l		99
53) Dibromochloromethane	11.365	129	33161	4.942	ug/l		98
54) 1,2-Dibromoethane	11.476	107	29318	4.916	ug/l		93
55) 2-Chloroethyl vinyl ether	10.165	63	55543	21.435	ug/l		99
56) Bromoform	12.582	173	20118	4.582	ug/l	#	35
58) 4-Methyl-2-Pentanone	10.453	43	158361	24.284	ug/l		100
59) 2-Hexanone	11.206	43	108884	22.052	ug/l		98
61) Tetrachloroethene	11.112	164	29093	5.078	ug/l		94
62) Toluene	10.635	91	132777	5.067	ug/l		98
64) Chlorobenzene	11.900	112	76153	4.977	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.965	131	32084	5.317	ug/l		98
66) Ethyl Benzene	11.970	91	125730	4.760	ug/l		94
67) m/p-Xylenes	12.076	106	91286	9.048	ug/l		97
68) o-Xylene	12.406	106	41876	4.079	ug/l		93
69) Styrene	12.417	104	61897	3.747	ug/l		98
70) Isopropylbenzene	12.700	105	109536	4.313	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	42033	5.095	ug/l		98
72) 1,2,3-Trichloropropane	13.000	75	29471m	4.259	ug/l		
73) Bromobenzene	12.988	156	27835	4.472	ug/l		95
74) n-propylbenzene	13.041	91	113681	4.039	ug/l		99
75) 2-Chlorotoluene	13.129	91	77167	3.970	ug/l		99
76) 1,3,5-Trimethylbenzene	13.176	105	85003	3.749	ug/l		99
77) t-1,4-Dichloro-2-butene	12.747	75	10137	4.191	ug/l		95
78) 4-Chlorotoluene	13.223	91	70415	3.752	ug/l		98
79) tert-butylbenzene	13.447	119	87515	4.484	ug/l		95
80) 1,2,4-Trimethylbenzene	13.488	105	86262	3.983	ug/l		97
81) sec-Butylbenzene	13.617	105	96272	3.849	ug/l		98
82) p-Isopropyltoluene	13.735	119	71922	3.502	ug/l		97
83) 1,3-Dichlorobenzene	13.741	146	34895	3.161	ug/l		98
84) 1,4-Dichlorobenzene	13.817	146	30436	2.945	ug/l		96
85) n-Butylbenzene	14.059	91	45035	3.162	ug/l		96
86) Hexachloroethane	14.341	117	17315	4.628	ug/l		91
87) 1,2-Dichlorobenzene	14.111	146	35542	3.440	ug/l		94
88) 1,2-Dibromo-3-Chloropr...	14.717	75	4639	3.311	ug/l	#	73
89) 1,2,4-Trichlorobenzene	15.400	180	6532	2.216	ug/l		87
90) Hexachlorobutadiene	15.505	225	10172	4.530	ug/l		79
91) Naphthalene	15.647	128	21108	2.364	ug/l		96
92) 1,2,3-Trichlorobenzene	15.847	180	8045	2.398	ug/l		91

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

