

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066318.D
 Acq On : 24 Mar 2021 20:17
 Operator : JC/MD
 Sample : M1458-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2021

Manual Integrations
 APPROVED

SAM
 3/30/2021 6:54:31 PM

Quant Time: Mar 25 06:20:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 06:20:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.107	128	81345	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	443680	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	363144	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	186173	29.78	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.27%			
60) 4-Bromofluorobenzene	12.348	95	152780	26.96	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.87%			
63) Toluene-d8	10.028	98	534489	31.36	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	10270	2.26	ug/l	91
3) Chloromethane	2.017	50	15526	2.71	ug/l	97
4) Vinyl Chloride	2.146	62	14483	2.41	ug/l	94
5) Bromomethane	2.518	94	11313	2.66	ug/l	91
6) Chloroethane	2.655	64	9239	2.40	ug/l	98
7) Trichlorofluoromethane	2.961	101	21100	2.43	ug/l	93
8) Diethyl Ether	3.342	74	7203	2.46	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.677	101	10093m	2.38	ug/l	
10) 1,1-Dichloroethene	3.661	96	10872	2.59	ug/l	89
11) Methyl Iodide	3.875	142	13024	2.16	ug/l	93
12) Methyl Acetate	4.243	43	15647	2.40	ug/l	99
13) Acrolein	3.535	56	10715	23.71	ug/l	99
14) Acrylonitrile	4.892	53	30418	11.31	ug/l	92
15) Acetone	3.749	58	9247m	11.81	ug/l	
16) Carbon Disulfide	3.975	76	27732	2.38	ug/l	99
17) Allyl chloride	4.235	41	17123	2.26	ug/l	96
18) Methylene Chloride	4.465	84	13175m	2.62	ug/l	
19) trans-1,2-Dichloroethene	4.940	96	11607	2.51	ug/l	89
20) Diisopropyl ether	5.852	45	37781	2.27	ug/l #	84
21) 1,1-Dichloroethane	5.750	63	21176	2.35	ug/l	97
22) cis-1,2-Dichloroethene	6.734	96	14026m	2.54	ug/l	
23) tert-Butyl Alcohol	4.704	59	14304m	12.95	ug/l	
24) Methyl tert-Butyl Ether	4.943	73	39499m	2.46	ug/l	
25) Chloroform	7.282	83	21634m	2.38	ug/l	
26) Cyclohexane	7.577	56	18487	2.31	ug/l #	95
29) 1,1-Dichloropropene	7.716	75	15961	2.41	ug/l	98
30) 2-Butanone	6.745	43	41649	10.71	ug/l #	96
31) 2,2-Dichloropropane	6.729	77	18806	2.29	ug/l #	62
32) 1,1,1-Trichloroethane	7.491	97	19627	2.44	ug/l #	74
33) Carbon Tetrachloride	7.700	117	15756	2.32	ug/l	92
34) Benzene	7.965	78	46693	2.31	ug/l #	25
35) Methacrylonitrile	7.094	41	8730m	2.65	ug/l	
36) 1,2-Dichloroethane	8.049	62	18131	2.45	ug/l #	87
37) Trichloroethene	8.770	130	12232	2.32	ug/l	92
38) Methylcyclohexane	9.011	83	17595	2.14	ug/l	97
39) 1,2-Dichloropropane	9.049	63	13382	2.45	ug/l	93
40) Dibromomethane	9.140	93	8743	2.48	ug/l	95
41) Bromodichloromethane	9.336	83	17417	2.34	ug/l	96
42) Vinyl Acetate	5.798	43	165798	11.31	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.844	43	17821	2.38	ug/l #	100
44) Isopropyl Acetate	8.091	43	30351	2.27	ug/l #	100
45) 1,4-Dioxane	9.154	88	3613	42.35	ug/l #	89
46) Methyl methacrylate	9.137	41	13392	2.14	ug/l	93
48) t-1,3-Dichloropropene	10.323	75	16978	2.10	ug/l	99
49) cis-1,3-Dichloropropene	9.778	75	20072	2.31	ug/l	97
50) 1,1,2-Trichloroethane	10.505	97	11590	2.30	ug/l	95
51) Ethyl methacrylate	10.371	69	15641	1.98	ug/l	97
52) 1,3-Dichloropropane	10.647	76	18547	2.21	ug/l	76
53) Dibromochloromethane	10.843	129	12894	2.28	ug/l	98
54) 1,2-Dibromoethane	10.948	107	11075	2.14	ug/l	98
55) 2-Chloroethyl vinyl ether	9.634	63	9753	8.32	ug/l #	91
56) Bromoform	12.077	173	8196	1.97	ug/l #	97
58) 4-Methyl-2-Pentanone	9.921	43	88844	12.21	ug/l	98
59) 2-Hexanone	10.698	43	44979	8.98	ug/l	97
61) Tetrachloroethene	10.572	164	12220	2.44	ug/l	96
62) Toluene	10.095	91	48905	2.43	ug/l	99
64) Chlorobenzene	11.377	112	28040	2.37	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.452	131	11429	2.47	ug/l	96
66) Ethyl Benzene	11.455	91	48414	2.24	ug/l	98
67) m/p-Xylenes	11.567	106	36050	4.48	ug/l	92
68) o-Xylene	11.895	106	18500	2.33	ug/l	97
69) Styrene	11.913	104	25252	1.98	ug/l	93
70) Isopropylbenzene	12.195	105	45963	2.20	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.452	83	15942	2.38	ug/l #	97
72) 1,2,3-Trichloropropane	12.501	75	14929m	2.31	ug/l	
73) Bromobenzene	12.471	156	11383	2.21	ug/l	94
74) n-propylbenzene	12.538	91	45831	1.98	ug/l	99
75) 2-Chlorotoluene	12.621	91	29809	2.13	ug/l	100
76) 1,3,5-Trimethylbenzene	12.678	105	36130	2.10	ug/l	100
77) t-1,4-Dichloro-2-butene	12.257	75	3903m	1.86	ug/l	
78) 4-Chlorotoluene	12.721	91	26537	1.93	ug/l	99
79) tert-butylbenzene	12.938	119	32850	2.20	ug/l	97
80) 1,2,4-Trimethylbenzene	12.986	105	33852	2.03	ug/l	99
81) sec-Butylbenzene	13.117	105	38001	1.99	ug/l	95
82) p-Isopropyltoluene	13.238	119	33501	1.99	ug/l	99
83) 1,3-Dichlorobenzene	13.233	146	16546	1.96	ug/l	96
84) 1,4-Dichlorobenzene	13.313	146	20528m	2.50	ug/l	
85) n-Butylbenzene	13.565	91	25482	1.86	ug/l	94
86) Hexachloroethane	13.815	117	6471	2.08	ug/l	95
87) 1,2-Dichlorobenzene	13.603	146	18165	2.17	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.220	75	2490	1.82	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.855	180	11834	2.22	ug/l	98
90) Hexachlorobutadiene	14.952	225	6538	2.26	ug/l	94
91) Naphthalene	15.075	128	43459	2.68	ug/l	98
92) 1,2,3-Trichlorobenzene	15.255	180	12222	2.34	ug/l	90

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

