

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066576.D
 Acq On : 13 Apr 2021 13:43
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 2:17:14 PM

Quant Time: Apr 13 14:10:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 13 13:47:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.102	128	52143	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.510	114	256202	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	259408	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	144587	34.94	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	116.47%#		
60) 4-Bromofluorobenzene	12.342	95	135169	33.20	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	110.67%		
63) Toluene-d8	10.025	98	363812	29.49	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.813	85	407080	136.82	ug/l	99
3) Chloromethane	2.017	50	534046	140.50	ug/l	98
4) Vinyl Chloride	2.143	62	510151	130.94	ug/l	99
5) Bromomethane	2.489	94	313680	115.21	ug/l	95
6) Chloroethane	2.636	64	335770	133.69	ug/l	97
7) Trichlorofluoromethane	2.950	101	708877	126.12	ug/l	99
8) Diethyl Ether	3.336	74	264878	138.18	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.669	101	357127	128.55	ug/l	90
10) 1,1-Dichloroethene	3.650	96	347151	126.66	ug/l	83
11) Methyl Iodide	3.859	142	477457	124.16	ug/l	89
12) Methyl Acetate	4.229	43	694452m	156.16	ug/l	
13) Acrolein	3.524	56	372540	1045.91	ug/l	95
14) Acrylonitrile	4.876	53	1038478	622.49	ug/l	98
15) Acetone	3.733	58	315671	596.48	ug/l	70
16) Carbon Disulfide	3.956	76	1141314	144.24	ug/l	99
17) Allyl chloride	4.219	41	971630	185.65	ug/l	96
18) Methylene Chloride	4.438	84	360666	113.55	ug/l #	84
19) trans-1,2-Dichloroethene	4.924	96	351525	120.96	ug/l	91
20) Diisopropyl ether	5.855	45	1559884	145.68	ug/l #	92
21) 1,1-Dichloroethane	5.734	63	717461	124.45	ug/l	98
22) cis-1,2-Dichloroethene	6.729	96	393288	115.39	ug/l	88
23) tert-Butyl Alcohol	4.709	59	313488	484.58	ug/l #	100
24) Methyl tert-Butyl Ether	4.935	73	1179080	119.57	ug/l	97
25) Chloroform	7.279	83	723957	125.22	ug/l	97
26) Cyclohexane	7.563	56	654963	131.64	ug/l #	93
29) 1,1-Dichloropropene	7.702	75	547651	140.41	ug/l	97
30) 2-Butanone	6.742	43	1558619	689.08	ug/l	92
31) 2,2-Dichloropropane	6.718	77	637632	131.72	ug/l	95
32) 1,1,1-Trichloroethane	7.477	97	625996	130.67	ug/l	97
33) Carbon Tetrachloride	7.686	117	545111	134.59	ug/l	95
34) Benzene	7.957	78	1595905	134.30	ug/l	94
35) Methacrylonitrile	7.075	41	319807	163.84	ug/l	94
36) 1,2-Dichloroethane	8.043	62	632937	142.99	ug/l	98
37) Trichloroethene	8.762	130	352763	117.27	ug/l	94
38) Methylcyclohexane	9.006	83	604628	131.36	ug/l	91
39) 1,2-Dichloropropane	9.046	63	448868	138.33	ug/l	100
40) Dibromomethane	9.135	93	274575	132.04	ug/l	90
41) Bromodichloromethane	9.333	83	609566	137.72	ug/l	98
42) Vinyl Acetate	5.790	43	6882397	790.60	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.836	43	669263	154.24	ug/l #	85
44) Isopropyl Acetate	8.089	43	1131033m	146.54	ug/l	
45) 1,4-Dioxane	9.135	88	118497	2525.91	ug/l #	87
46) Methyl methacrylate	9.132	41	552017	154.82	ug/l	88
47) n-amyl Acetate	12.015	43	819395	281.68	ug/l	98
48) t-1,3-Dichloropropene	10.320	75	658129	140.48	ug/l	99
49) cis-1,3-Dichloropropene	9.773	75	698629	138.86	ug/l	94
50) 1,1,2-Trichloroethane	10.500	97	379719	129.57	ug/l	98
51) Ethyl methacrylate	10.368	69	610157	140.29	ug/l	86
52) 1,3-Dichloropropane	10.645	76	690403	139.96	ug/l	98
53) Dibromochloromethane	10.840	129	438935	135.25	ug/l	99
54) 1,2-Dibromoethane	10.945	107	386980	129.91	ug/l	100
55) 2-Chloroethyl vinyl ether	9.628	63	351772	572.27	ug/l	98
56) Bromoform	12.069	173	297944	127.18	ug/l #	99
58) 4-Methyl-2-Pentanone	9.920	43	3424811	661.38	ug/l #	92
59) 2-Hexanone	10.693	43	2455131	699.73	ug/l	93
61) Tetrachloroethene	10.569	164	312415	91.74	ug/l	95
62) Toluene	10.089	91	1712618	120.28	ug/l	100
64) Chlorobenzene	11.371	112	999832	119.86	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.449	131	385981	116.50	ug/l	98
66) Ethyl Benzene	11.452	91	1969237	129.96	ug/l	96
67) m/p-Xylenes	11.562	106	1453915	257.09	ug/l	98
68) o-Xylene	11.889	106	685863	124.74	ug/l	95
69) Styrene	11.905	104	1183379	133.50	ug/l	98
70) Isopropylbenzene	12.192	105	1908680	131.92	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.447	83	619106	130.51	ug/l	99
72) 1,2,3-Trichloropropane	12.495	75	552889m	124.77	ug/l	
73) Bromobenzene	12.466	156	427876	119.69	ug/l	84
74) n-propylbenzene	12.533	91	2306426	142.08	ug/l	97
75) 2-Chlorotoluene	12.616	91	1330425	135.04	ug/l	94
76) 1,3,5-Trimethylbenzene	12.678	105	1612310	134.05	ug/l	97
77) t-1,4-Dichloro-2-butene	12.243	75	195434	140.22	ug/l	92
78) 4-Chlorotoluene	12.715	91	1382539	142.57	ug/l	96
79) tert-butylbenzene	12.935	119	1312844	127.23	ug/l	95
80) 1,2,4-Trimethylbenzene	12.981	105	1609481	138.17	ug/l	98
81) sec-Butylbenzene	13.115	105	1862816	140.29	ug/l	97
82) p-Isopropyltoluene	13.233	119	1646210	140.88	ug/l	97
83) 1,3-Dichlorobenzene	13.225	146	786757	132.16	ug/l	97
84) 1,4-Dichlorobenzene	13.305	146	791536	139.04	ug/l	98
85) n-Butylbenzene	13.557	91	1494434	158.66	ug/l	98
86) Hexachloroethane	13.815	117	317360	141.21	ug/l	83
87) 1,2-Dichlorobenzene	13.595	146	766438	130.98	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.228	75	106968	113.17	ug/l	85
89) 1,2,4-Trichlorobenzene	14.979	180	431169	119.96	ug/l	97
90) Hexachlorobutadiene	15.105	225	228751	113.19	ug/l	100
91) Naphthalene	15.260	128	1173748	110.87	ug/l	99
92) 1,2,3-Trichlorobenzene	15.499	180	407417	115.19	ug/l	98

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

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