

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066317.D
 Acq On : 24 Mar 2021 19:23
 Operator : JC/MD
 Sample : VN0324WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:39 AM

Quant Time: Mar 25 06:01:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.104	128	77744	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	426719	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	370067	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	180184	30.15	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.50%
60) 4-Bromofluorobenzene	12.345	95	176718	30.60	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.00%
63) Toluene-d8	10.028	98	520710	29.98	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.93%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	81625	18.77	ug/l	97
3) Chloromethane	2.014	50	106620	19.50	ug/l	99
4) Vinyl Chloride	2.145	62	109993	19.14	ug/l	100
5) Bromomethane	2.510	94	79550	19.57	ug/l	94
6) Chloroethane	2.647	64	71045	19.31	ug/l	97
7) Trichlorofluoromethane	2.958	101	164681	19.87	ug/l	99
8) Diethyl Ether	3.341	74	55278	19.75	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.685	101	80785	19.92	ug/l	99
10) 1,1-Dichloroethene	3.661	96	80953	20.16	ug/l	90
11) Methyl Iodide	3.873	142	115224	19.95	ug/l	99
12) Methyl Acetate	4.232	43	129036	20.71	ug/l	99
13) Acrolein	3.532	56	35490	92.96	ug/l	100
14) Acrylonitrile	4.878	53	259169	100.82	ug/l	99
15) Acetone	3.736	58	67011	89.53	ug/l	94
16) Carbon Disulfide	3.972	76	210124	18.90	ug/l	99
17) Allyl chloride	4.232	41	147730	20.37	ug/l	95
18) Methylene Chloride	4.457	84	93429	19.48	ug/l	98
19) trans-1,2-Dichloroethene	4.940	96	86504	19.59	ug/l	99
20) Diisopropyl ether	5.849	45	316290	19.87	ug/l	94
21) 1,1-Dichloroethane	5.745	63	168841	19.59	ug/l	99
22) cis-1,2-Dichloroethene	6.731	96	102846	19.46	ug/l	99
23) tert-Butyl Alcohol	4.685	59	109752	104.00	ug/l #	100
24) Methyl tert-Butyl Ether	4.937	73	305719	19.96	ug/l	100
25) Chloroform	7.287	83	170973	19.64	ug/l	95
26) Cyclohexane	7.574	56	150847	19.74	ug/l #	98
29) 1,1-Dichloropropene	7.713	75	123810	19.40	ug/l	98
30) 2-Butanone	6.734	43	367459	98.25	ug/l	99
31) 2,2-Dichloropropane	6.729	77	145555	18.41	ug/l	99
32) 1,1,1-Trichloroethane	7.488	97	149450	19.32	ug/l	100
33) Carbon Tetrachloride	7.694	117	127229	19.48	ug/l	94
34) Benzene	7.965	78	379777	19.53	ug/l	99
35) Methacrylonitrile	7.088	41	66417m	20.99	ug/l	
36) 1,2-Dichloroethane	8.048	62	137179	19.25	ug/l	99
37) Trichloroethene	8.767	130	99050	19.53	ug/l	99
38) Methylcyclohexane	9.014	83	150941	19.12	ug/l	100
39) 1,2-Dichloropropane	9.049	63	99810	18.96	ug/l	100
40) Dibromomethane	9.143	93	66445	19.63	ug/l	99
41) Bromodichloromethane	9.336	83	140296	19.59	ug/l	97
42) Vinyl Acetate	5.793	43	1386131	98.33	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.833	43	149892	20.81	ug/l #	100
44) Isopropyl Acetate	8.089	43	251922	19.59	ug/l #	100
45) 1,4-Dioxane	9.135	88	33849	412.52	ug/l	99
46) Methyl methacrylate	9.135	41	117221	19.51	ug/l	98
47) n-amyl Acetate	12.020	43	97097	16.95	ug/l	100
48) t-1,3-Dichloropropene	10.323	75	149822	19.25	ug/l	99
49) cis-1,3-Dichloropropene	9.776	75	159960	19.12	ug/l	99
50) 1,1,2-Trichloroethane	10.502	97	93386	19.28	ug/l	98
51) Ethyl methacrylate	10.371	69	144590	19.07	ug/l	99
52) 1,3-Dichloropropane	10.647	76	158154	19.58	ug/l	99
53) Dibromochloromethane	10.843	129	106150	19.50	ug/l	99
54) 1,2-Dibromoethane	10.945	107	98214	19.70	ug/l	100
55) 2-Chloroethyl vinyl ether	9.631	63	102012	90.50	ug/l	98
56) Bromoform	12.071	173	78772	19.73	ug/l #	99
58) 4-Methyl-2-Pentanone	9.920	43	758573	102.31	ug/l	99
59) 2-Hexanone	10.693	43	514965	100.93	ug/l	99
61) Tetrachloroethene	10.572	164	101830	19.98	ug/l	98
62) Toluene	10.092	91	404479	19.74	ug/l	99
64) Chlorobenzene	11.377	112	238107	19.78	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.452	131	93727	19.85	ug/l	98
66) Ethyl Benzene	11.454	91	434301	19.68	ug/l	99
67) m/p-Xylenes	11.564	106	328256	40.02	ug/l	98
68) o-Xylene	11.892	106	162461	20.07	ug/l	99
69) Styrene	11.908	104	258150	19.90	ug/l	100
70) Isopropylbenzene	12.195	105	427708	20.08	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.447	83	143028	20.97	ug/l	99
72) 1,2,3-Trichloropropane	12.498	75	136007m	20.65	ug/l	
73) Bromobenzene	12.468	156	104397	19.89	ug/l	97
74) n-propylbenzene	12.535	91	469246	19.93	ug/l	98
75) 2-Chlorotoluene	12.618	91	285126	20.00	ug/l	100
76) 1,3,5-Trimethylbenzene	12.677	105	357407	20.39	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	42429	19.86	ug/l	97
78) 4-Chlorotoluene	12.718	91	281805	20.15	ug/l	100
79) tert-butylbenzene	12.938	119	307485	20.18	ug/l	99
80) 1,2,4-Trimethylbenzene	12.983	105	344238	20.24	ug/l	99
81) sec-Butylbenzene	13.115	105	403152	20.72	ug/l	99
82) p-Isopropyltoluene	13.233	119	352403	20.57	ug/l	100
83) 1,3-Dichlorobenzene	13.227	146	178597	20.74	ug/l	100
84) 1,4-Dichlorobenzene	13.308	146	178971	21.36	ug/l	99
85) n-Butylbenzene	13.560	91	286247	20.48	ug/l	99
86) Hexachloroethane	13.815	117	64488	20.38	ug/l	98
87) 1,2-Dichlorobenzene	13.597	146	182969	21.48	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.214	75	30924	22.22	ug/l	98
89) 1,2,4-Trichlorobenzene	14.852	180	115525	21.26	ug/l	98
90) Hexachlorobutadiene	14.949	225	60927	20.69	ug/l	98
91) Naphthalene	15.070	128	368940	22.30	ug/l	100
92) 1,2,3-Trichlorobenzene	15.249	180	114765	21.56	ug/l	99

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

