

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067731.D
 Acq On : 13 Jul 2021 21:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:47 AM

Quant Time: Jul 14 01:22:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	70565	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	416501	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	390349	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	179961	31.567	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.233%
60) 4-Bromofluorobenzene	12.733	95	184809	29.153	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.167%
63) Toluene-d8	10.443	98	552274	30.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.533%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	69836	19.366	ug/l	98
3) Chloromethane	2.303	50	90161	20.017	ug/l	99
4) Vinyl Chloride	2.443	62	139359	19.888	ug/l	95
5) Bromomethane	2.866	94	112406	19.266	ug/l	99
6) Chloroethane	3.025	64	104917	20.106	ug/l	99
7) Trichlorofluoromethane	3.373	101	263647	20.277	ug/l	99
8) Diethyl Ether	3.824	74	44243	18.293	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.207	101	69110	18.699	ug/l	98
10) 1,1-Dichloroethene	4.175	96	66507	19.429	ug/l	99
11) Methyl Iodide	4.419	142	81198	17.942	ug/l	99
12) Methyl Acetate	4.859	43	91253	19.531	ug/l	98
13) Acrolein	4.038	56	45013	91.979	ug/l #	43
14) Acrylonitrile	5.559	53	195877	95.345	ug/l	99
15) Acetone	4.293	58	47225	92.731	ug/l	99
16) Carbon Disulfide	4.527	76	166007	18.365	ug/l	99
17) Allyl chloride	4.843	41	112535	18.684	ug/l	99
18) Methylene Chloride	5.095	84	85398	18.028	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	75812	18.574	ug/l	94
20) Diisopropyl ether	6.501	45	266922	18.716	ug/l	96
21) 1,1-Dichloroethane	6.385	63	150851	19.227	ug/l	100
22) cis-1,2-Dichloroethene	7.324	96	94790	18.821	ug/l	94
23) tert-Butyl Alcohol	5.388	59	69704	92.047	ug/l #	100
24) Methyl tert-Butyl Ether	5.624	73	265590	18.792	ug/l	100
25) Chloroform	7.820	83	163739	18.755	ug/l	99
26) Cyclohexane	8.094	56	127618	18.668	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	117350	17.957	ug/l	99
30) 2-Butanone	7.343	43	271803	89.817	ug/l	99
31) 2,2-Dichloropropane	7.329	77	114641	15.725	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	145729	18.160	ug/l	99
33) Carbon Tetrachloride	8.209	117	119630	17.459	ug/l	99
34) Benzene	8.461	78	356467	18.249	ug/l	99
35) Methacrylonitrile	7.638	41	57504	18.485	ug/l	99
36) 1,2-Dichloroethane	8.531	62	134575	18.507	ug/l	99
37) Trichloroethene	9.217	130	92737	18.274	ug/l	98
38) Methylcyclohexane	9.461	83	127131	17.565	ug/l	98
39) 1,2-Dichloropropane	9.494	63	90045	18.076	ug/l	99
40) Dibromomethane	9.579	93	65720	18.347	ug/l	98
41) Bromodichloromethane	9.764	83	126392	17.975	ug/l	97
42) Vinyl Acetate	6.436	43	994113	82.574	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	112536	18.394	ug/l	99
44) Isopropyl Acetate	8.563	43	202249	18.207	ug/l	98
45) 1,4-Dioxane	9.571	88	28792	342.267	ug/l	99
46) Methyl methacrylate	9.563	41	86020	17.938	ug/l	98
47) n-amyl Acetate	12.390	43	154887	16.986	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	126663	16.715	ug/l	96
49) cis-1,3-Dichloropropene	10.191	75	138240	17.186	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	92352	18.066	ug/l	97
51) Ethyl methacrylate	10.762	69	137848	17.341	ug/l	99
52) 1,3-Dichloropropane	11.049	76	152558	18.049	ug/l	97
53) Dibromochloromethane	11.240	129	90314	16.878	ug/l	96
54) 1,2-Dibromoethane	11.350	107	93265	17.687	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	112780	73.354	ug/l	99
56) Bromoform	12.460	173	57056	15.219	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	625752	93.358	ug/l	99
59) 2-Hexanone	11.089	43	432414	92.012	ug/l	100
61) Tetrachloroethene	10.979	164	87998	18.352	ug/l	98
62) Toluene	10.507	91	417354	18.178	ug/l	99
64) Chlorobenzene	11.773	112	249479	18.143	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	90504	17.864	ug/l	99
66) Ethyl Benzene	11.848	91	457581	18.010	ug/l	98
67) m/p-Xylenes	11.956	106	349212	36.036	ug/l	98
68) o-Xylene	12.283	106	172064	17.987	ug/l	100
69) Styrene	12.296	104	278985	17.636	ug/l	100
70) Isopropylbenzene	12.581	105	439502	17.803	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	129462	18.471	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	103774m	17.810	ug/l	
73) Bromobenzene	12.865	156	96838	17.067	ug/l	99
74) n-propylbenzene	12.924	91	502214	17.754	ug/l	98
75) 2-Chlorotoluene	13.010	91	306168	18.033	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	369859	18.198	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	29269	14.884	ug/l	95
78) 4-Chlorotoluene	13.109	91	308467	18.223	ug/l	99
79) tert-butylbenzene	13.326	119	308214	17.662	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	360381m	17.856	ug/l	
81) sec-Butylbenzene	13.503	105	432110	17.850	ug/l	100
82) p-Isopropyltoluene	13.618	119	347628	17.254	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	181045	17.086	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	177672	17.214	ug/l	100
85) n-Butylbenzene	13.946	91	284500	17.020	ug/l	100
86) Hexachloroethane	14.214	117	55188	16.465	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	172905	17.092	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	22272	17.761	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	75026	16.266	ug/l	99
90) Hexachlorobutadiene	15.372	225	36105	16.285	ug/l	95
91) Naphthalene	15.509	128	221850	16.930	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	73260	16.578	ug/l	97

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

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