

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068711.D
 Acq On : 27 Sep 2021 20:34
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:54 PM

Quant Time: Sep 28 05:30:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	68321	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	389732	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	538899	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	174130	27.610	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.033%
60) 4-Bromofluorobenzene	12.733	95	266225	27.634	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.100%
63) Toluene-d8	10.446	98	504109	20.031	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	66.767%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	75912	19.125	ug/l	99
3) Chloromethane	2.303	50	91175	17.940	ug/l	99
4) Vinyl Chloride	2.443	62	108747	17.348	ug/l	100
5) Bromomethane	2.861	94	77097	17.769	ug/l	97
6) Chloroethane	3.022	64	81068	17.701	ug/l	94
7) Trichlorofluoromethane	3.376	101	129674	17.630	ug/l	93
8) Diethyl Ether	3.832	74	45664	17.421	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.218	101	69940	17.222	ug/l	98
10) 1,1-Dichloroethene	4.183	96	65817m	17.560	ug/l	
11) Methyl Iodide	4.425	142	77627	16.170	ug/l	99
12) Methyl Acetate	4.859	43	140639	17.643	ug/l	100
13) Acrolein	4.052	56	27530m	110.661	ug/l	
14) Acrylonitrile	5.554	53	199670	83.416	ug/l	97
15) Acetone	4.291	58	50914	77.870	ug/l	94
16) Carbon Disulfide	4.535	76	177239	16.781	ug/l	100
17) Allyl chloride	4.846	41	126425	16.950	ug/l	98
18) Methylene Chloride	5.103	84	84083	18.306	ug/l	94
19) trans-1,2-Dichloroethene	5.605	96	71496	17.177	ug/l	92
20) Diisopropyl ether	6.498	45	277112	16.883	ug/l	97
21) 1,1-Dichloroethane	6.393	63	149187	17.240	ug/l	98
22) cis-1,2-Dichloroethene	7.329	96	85483	16.953	ug/l	99
23) tert-Butyl Alcohol	5.361	59	69209	87.525	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	253744	17.279	ug/l	98
25) Chloroform	7.820	83	154270	16.554	ug/l	95
26) Cyclohexane	8.099	56	127693	16.238	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	111547	14.874	ug/l	100
30) 2-Butanone	7.335	43	292462	81.415	ug/l	100
31) 2,2-Dichloropropane	7.327	77	118077	15.487	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	133426	15.567	ug/l	99
33) Carbon Tetrachloride	8.209	117	118758	14.738	ug/l	97
34) Benzene	8.461	78	334270	16.490	ug/l	97
35) Methacrylonitrile	7.638	41	61247	16.772	ug/l	96
36) 1,2-Dichloroethane	8.531	62	125367	15.881	ug/l	100
37) Trichloroethene	9.217	130	86170	17.111	ug/l	99
38) Methylcyclohexane	9.464	83	125635	13.572	ug/l	97
39) 1,2-Dichloropropane	9.499	63	100157	17.077	ug/l	97
40) Dibromomethane	9.579	93	71100	17.677	ug/l	96
41) Bromodichloromethane	9.765	83	121002	14.996	ug/l	98
42) Vinyl Acetate	6.436	43	1069667	81.456	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	113478	16.284	ug/l	100
44) Isopropyl Acetate	8.563	43	210206	16.246	ug/l	100
45) 1,4-Dioxane	9.569	88	32580	347.442	ug/l #	70
46) Methyl methacrylate	9.561	41	114355	17.025	ug/l	95
47) n-amyl Acetate	12.390	43	242347	20.514	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	128295	14.758	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	183292	20.490	ug/l	93
50) 1,1,2-Trichloroethane	10.902	97	99770	18.532	ug/l	96
51) Ethyl methacrylate	10.762	69	130265	15.374	ug/l	99
52) 1,3-Dichloropropane	11.047	76	143419	16.390	ug/l	99
53) Dibromochloromethane	11.240	129	92385	14.644	ug/l	100
54) 1,2-Dibromoethane	11.347	107	85007	15.246	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	235451	96.709	ug/l	100
56) Bromoform	12.460	173	91184	20.293	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	666988	56.891	ug/l	99
59) 2-Hexanone	11.087	43	459972	52.345	ug/l	99
61) Tetrachloroethene	10.982	164	78090	11.742	ug/l	96
62) Toluene	10.507	91	371644	10.797	ug/l	100
64) Chlorobenzene	11.773	112	330563	16.661	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	126395	15.384	ug/l	99
66) Ethyl Benzene	11.846	91	604575	15.354	ug/l	99
67) m/p-Xylenes	11.956	106	457949	30.445	ug/l	98
68) o-Xylene	12.283	106	226189	14.516	ug/l	97
69) Styrene	12.296	104	355726	13.532	ug/l	99
70) Isopropylbenzene	12.581	105	584609	14.501	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	182576	15.846	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	157090m	14.289	ug/l	
73) Bromobenzene	12.862	156	130632	14.511	ug/l	92
74) n-propylbenzene	12.924	91	673762	14.557	ug/l	99
75) 2-Chlorotoluene	13.010	91	408976	15.369	ug/l	98
76) 1,3,5-Trimethylbenzene	13.063	105	488252	15.474	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	51990	13.229	ug/l	92
78) 4-Chlorotoluene	13.106	91	393018	15.218	ug/l	97
79) tert-butylbenzene	13.326	119	425975	16.010	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	473410m	16.460	ug/l	
81) sec-Butylbenzene	13.503	105	588399	16.714	ug/l	99
82) p-Isopropyltoluene	13.618	119	471312	14.926	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	225914	14.941	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	217586	15.645	ug/l	99
85) n-Butylbenzene	13.946	91	368764	14.660	ug/l	99
86) Hexachloroethane	14.214	117	87972	14.573	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	217102	15.911	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	32562	14.956	ug/l	94
89) 1,2,4-Trichlorobenzene	15.265	180	98045	14.326	ug/l	99
90) Hexachlorobutadiene	15.373	225	54075	14.302	ug/l	98
91) Naphthalene	15.509	128	252218	14.169	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	88638	13.606	ug/l	98

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

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