

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068724.D
 Acq On : 28 Sep 2021 16:37
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:32 PM

Quant Time: Sep 29 01:53:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 01:51:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	103309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	563273	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	565960	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	232149	24.582	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	81.933%#		
60) 4-Bromofluorobenzene	12.733	95	289832	28.946	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.500%		
63) Toluene-d8	10.443	98	753686	28.591	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	391698	67.583	ug/l	100
3) Chloromethane	2.301	50	509468	69.081	ug/l	97
4) Vinyl Chloride	2.443	62	1004840	100.558	ug/l	99
5) Bromomethane	2.832	94	848302	112.891	ug/l	100
6) Chloroethane	3.006	64	810620	107.532	ug/l	98
7) Trichlorofluoromethane	3.371	101	838577	76.498	ug/l	98
8) Diethyl Ether	3.824	74	298648	77.170	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.210	101	498063m	81.893	ug/l	
10) 1,1-Dichloroethene	4.183	96	459866	81.594	ug/l	98
11) Methyl Iodide	4.425	142	629577	87.839	ug/l	97
12) Methyl Acetate	4.851	43	822492	71.040	ug/l	99
13) Acrolein	4.041	56	144798	366.420	ug/l	96
14) Acrylonitrile	5.551	53	1359866	389.453	ug/l	99
15) Acetone	4.283	58	362877	375.059	ug/l	95
16) Carbon Disulfide	4.535	76	1283690	81.175	ug/l	98
17) Allyl chloride	4.843	41	784952	72.560	ug/l	99
18) Methylene Chloride	5.101	84	578563m	83.361	ug/l	
19) trans-1,2-Dichloroethene	5.597	96	575236	91.423	ug/l	97
20) Diisopropyl ether	6.495	45	1870126	79.651	ug/l	99
21) 1,1-Dichloroethane	6.388	63	1043398	83.002	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	712358	93.906	ug/l	98
23) tert-Butyl Alcohol	5.366	59	514788	434.171	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	1969721	90.236	ug/l	98
25) Chloroform	7.817	83	1232369	87.260	ug/l	98
26) Cyclohexane	8.096	56	940056	80.951	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	887085	82.862	ug/l	99
30) 2-Butanone	7.332	43	2029234	411.497	ug/l	100
31) 2,2-Dichloropropane	7.327	77	1050518	97.001	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	1146203	92.582	ug/l	99
33) Carbon Tetrachloride	8.206	117	1041630	89.968	ug/l	98
34) Benzene	8.461	78	2627519	90.674	ug/l	98
35) Methacrylonitrile	7.635	41	395893	78.563	ug/l	97
36) 1,2-Dichloroethane	8.531	62	982161	87.617	ug/l	100
37) Trichloroethene	9.217	130	692942	95.266	ug/l	93
38) Methylcyclohexane	9.461	83	1123188	84.392	ug/l	99
39) 1,2-Dichloropropane	9.491	63	651873	78.552	ug/l	98
40) Dibromomethane	9.577	93	514968	91.061	ug/l	98
41) Bromodichloromethane	9.764	83	1025858	90.424	ug/l	96
42) Vinyl Acetate	6.433	43	7713959	432.788	ug/l	99

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43) Ethyl Acetate	7.412	43	811981	84.362	ug/l	98
44) Isopropyl Acetate	8.560	43	1473309	82.407	ug/l	99
45) 1,4-Dioxane	9.569	88	234943	1770.301	ug/l	99
46) Methyl methacrylate	9.561	41	691070	76.995	ug/l	97
47) n-amyl Acetate	12.387	43	1413321	83.915	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	1166897	93.487	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	1169377	91.634	ug/l	97
50) 1,1,2-Trichloroethane	10.899	97	729995	93.557	ug/l	98
51) Ethyl methacrylate	10.762	69	1159208	95.848	ug/l	95
52) 1,3-Dichloropropane	11.046	76	1167421	93.298	ug/l	100
53) Dibromochloromethane	11.240	129	862717	96.759	ug/l	100
54) 1,2-Dibromoethane	11.347	107	775967	95.584	ug/l	96
55) 2-Chloroethyl vinyl ether	10.043	63	1656391	470.172	ug/l	99
56) Bromoform	12.460	173	671148	103.183	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	4787274	408.122	ug/l	97
59) 2-Hexanone	11.087	43	3559861	398.310	ug/l	98
61) Tetrachloroethene	10.979	164	637883	91.962	ug/l	95
62) Toluene	10.507	91	3335330	92.215	ug/l	98
64) Chlorobenzene	11.773	112	2081794	99.608	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	821725	96.430	ug/l	100
66) Ethyl Benzene	11.846	91	3923057	95.775	ug/l	97
67) m/p-Xylenes	11.956	106	3078843	193.499	ug/l	99
68) o-Xylene	12.283	106	1516567	93.356	ug/l	100
69) Styrene	12.296	104	2611098	94.939	ug/l	98
70) Isopropylbenzene	12.581	105	4091110	96.569	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	1125103	94.321	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	918981m	83.239	ug/l	
73) Bromobenzene	12.862	156	938901	101.213	ug/l	96
74) n-propylbenzene	12.921	91	4727237	98.819	ug/l	99
75) 2-Chlorotoluene	13.010	91	2731658	100.173	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	3390658	104.043	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	392020	94.985	ug/l	91
78) 4-Chlorotoluene	13.106	91	2756757	103.436	ug/l	100
79) tert-butylbenzene	13.326	119	2984436	107.359	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	3405363m	111.986	ug/l	
81) sec-Butylbenzene	13.503	105	4317068	115.516	ug/l	99
82) p-Isopropyltoluene	13.616	119	3664856	109.103	ug/l	98
83) 1,3-Dichlorobenzene	13.618	146	1784158	110.768	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1699797	114.404	ug/l	99
85) n-Butylbenzene	13.943	91	3053120	113.583	ug/l	98
86) Hexachloroethane	14.211	117	671919	107.651	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	1618782	111.755	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	202669	88.326	ug/l	92
89) 1,2,4-Trichlorobenzene	15.265	180	819020	111.518	ug/l	97
90) Hexachlorobutadiene	15.370	225	372404	94.740	ug/l	99
91) Naphthalene	15.507	128	2306274	115.639	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	763587	109.011	ug/l	100

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

