

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068717.D
 Acq On : 28 Sep 2021 12:15
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:18:11 PM

Quant Time: Sep 28 12:33:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:29:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	100602	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	518096	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	489445	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	266624	38.209	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 127.367%#	
60) 4-Bromofluorobenzene	12.733	95	253611	31.848	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 106.167%	
63) Toluene-d8	10.443	98	787580	33.470	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 111.567%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	373059	62.064	ug/l	95
3) Chloromethane	2.301	50	538694	61.115	ug/l	99
4) Vinyl Chloride	2.443	62	815635	93.556	ug/l	98
5) Bromomethane	2.832	94	530144	101.916	ug/l	100
6) Chloroethane	3.003	64	579465	115.169	ug/l	98
7) Trichlorofluoromethane	3.368	101	1103469	122.079	ug/l	98
8) Diethyl Ether	3.824	74	380766	91.879	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.213	101	594052	107.554	ug/l	92
10) 1,1-Dichloroethene	4.183	96	550446	93.559	ug/l	85
11) Methyl Iodide	4.425	142	754805	91.073	ug/l	88
12) Methyl Acetate	4.848	43	984604	138.183	ug/l	94
13) Acrolein	4.041	56	217051	226.865	ug/l	99
14) Acrylonitrile	5.551	53	1532239	483.872	ug/l	97
15) Acetone	4.282	58	497266m	513.256	ug/l	
16) Carbon Disulfide	4.535	76	1529558	82.890	ug/l	98
17) Allyl chloride	4.840	41	993613	89.003	ug/l	83
18) Methylene Chloride	5.098	84	590438	85.158	ug/l	89
19) trans-1,2-Dichloroethene	5.597	96	576324	89.594	ug/l	91
20) Diisopropyl ether	6.495	45	2397826	106.451	ug/l	94
21) 1,1-Dichloroethane	6.388	63	1195679	96.221	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	655984	88.750	ug/l	91
23) tert-Butyl Alcohol	5.363	59	542042	478.455	ug/l	# 100
24) Methyl tert-Butyl Ether	5.613	73	2075521	105.569	ug/l	# 89
25) Chloroform	7.817	83	1185233	105.117	ug/l	99
26) Cyclohexane	8.099	56	1040910	89.522	ug/l	# 93
29) 1,1-Dichloropropene	8.222	75	937599	112.077	ug/l	97
30) 2-Butanone	7.332	43	2288415	611.040	ug/l	93
31) 2,2-Dichloropropane	7.327	77	1022452	116.773	ug/l	95
32) 1,1,1-Trichloroethane	8.016	97	1097180	132.232	ug/l	98
33) Carbon Tetrachloride	8.209	117	1029203	150.122	ug/l	100
34) Benzene	8.461	78	2834692	109.694	ug/l	# 92
35) Methacrylonitrile	7.638	41	483214	122.799	ug/l	91
36) 1,2-Dichloroethane	8.531	62	1109257	142.916	ug/l	95
37) Trichloroethene	9.217	130	656183	105.158	ug/l	89
38) Methylcyclohexane	9.461	83	1137098	114.638	ug/l	96
39) 1,2-Dichloropropane	9.491	63	707982	100.839	ug/l	98
40) Dibromomethane	9.577	93	498231	125.199	ug/l	84
41) Bromodichloromethane	9.764	83	1037209	128.688	ug/l	98
42) Vinyl Acetate	6.433	43	9677745	589.939	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	950977	123.968	ug/l	95
44) Isopropyl Acetate	8.560	43	1710920	128.984	ug/l	94
45) 1,4-Dioxane	9.569	88	218912	1989.847	ug/l	96
46) Methyl methacrylate	9.561	41	796430	125.289	ug/l	82
47) n-amyl Acetate	12.387	43	1698138	153.034	ug/l	91
48) t-1,3-Dichloropropene	10.719	75	1243298	130.558	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	1159774	107.496	ug/l #	82
50) 1,1,2-Trichloroethane	10.899	97	627428	107.729	ug/l	97
51) Ethyl methacrylate	10.762	69	1143554m	121.930	ug/l	
52) 1,3-Dichloropropane	11.046	76	1209007	115.925	ug/l	100
53) Dibromochloromethane	11.240	129	778585	131.912	ug/l	100
54) 1,2-Dibromoethane	11.347	107	705128	120.807	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	1658758	398.054	ug/l	99
56) Bromoform	12.460	173	676136	181.362	ug/l #	93
58) 4-Methyl-2-Pentanone	10.333	43	5225734	642.786	ug/l	92
59) 2-Hexanone	11.087	43	3995619	686.630	ug/l	92
61) Tetrachloroethene	10.979	164	717014	111.249	ug/l	92
62) Toluene	10.507	91	3377281	118.013	ug/l	100
64) Chlorobenzene	11.773	112	1771949	104.952	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	701508	119.471	ug/l	98
66) Ethyl Benzene	11.846	91	3345190	109.194	ug/l	98
67) m/p-Xylenes	11.956	106	2577273	225.935	ug/l	94
68) o-Xylene	12.283	106	1262640	113.671	ug/l	93
69) Styrene	12.296	104	2164971	120.534	ug/l	96
70) Isopropylbenzene	12.581	105	3812200	133.609	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	985917	117.792	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	759856m	92.676	ug/l	
73) Bromobenzene	12.862	156	812655	126.431	ug/l	84
74) n-propylbenzene	12.921	91	4343746	131.703	ug/l	96
75) 2-Chlorotoluene	13.010	91	2689594	134.616	ug/l	94
76) 1,3,5-Trimethylbenzene	13.061	105	3258966	136.403	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	355575	111.068	ug/l	85
78) 4-Chlorotoluene	13.106	91	2702684	135.980	ug/l	95
79) tert-butylbenzene	13.326	119	2686058	136.123	ug/l	94
80) 1,2,4-Trimethylbenzene	13.369	105	2872902	120.140	ug/l	97
81) sec-Butylbenzene	13.503	105	4149685	157.484	ug/l	98
82) p-Isopropyltoluene	13.616	119	3634390	154.873	ug/l	97
83) 1,3-Dichlorobenzene	13.618	146	1751072	155.712	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	1441314	130.670	ug/l	96
85) n-Butylbenzene	13.946	91	2484922	121.375	ug/l	97
86) Hexachloroethane	14.211	117	553450	135.871	ug/l	80
87) 1,2-Dichlorobenzene	13.989	146	1359824	120.984	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.605	75	191507	118.710	ug/l #	75
89) 1,2,4-Trichlorobenzene	15.265	180	941377	160.612	ug/l	97
90) Hexachlorobutadiene	15.370	225	487367	183.353	ug/l	99
91) Naphthalene	15.507	128	2362059	125.893	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	854110	145.260	ug/l	98

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

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