

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068725.D
 Acq On : 28 Sep 2021 17:04
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:35 PM

Quant Time: Sep 29 01:53:45 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	7.656	128	123894	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	631325	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	649475	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	255828	22.588	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	75.300%#
60) 4-Bromofluorobenzene	12.733	95	320640	27.906	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.033%
63) Toluene-d8	10.443	98	846008	27.966	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	672231	96.715	ug/l	97
3) Chloromethane	2.298	50	808335	91.395	ug/l	96
4) Vinyl Chloride	2.440	62	1647261	137.458	ug/l	100
6) Chloroethane	2.979	64	1246019	137.827	ug/l	98
7) Trichlorofluoromethane	3.355	101	1471199	111.910	ug/l	98
8) Diethyl Ether	3.821	74	528689	113.914	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.205	101	861151m	118.068	ug/l	
10) 1,1-Dichloroethene	4.175	96	811663	120.086	ug/l	99
11) Methyl Iodide	4.417	142	1141737	132.830	ug/l	98
12) Methyl Acetate	4.848	43	1417844	102.114	ug/l	99
13) Acrolein	4.036	56	269644	568.977	ug/l	99
14) Acrylonitrile	5.551	53	2402988	573.850	ug/l	99
15) Acetone	4.283	58	600928	517.905	ug/l	96
16) Carbon Disulfide	4.527	76	2252418	118.768	ug/l	98
17) Allyl chloride	4.835	41	1362044	104.986	ug/l	97
18) Methylene Chloride	5.092	84	996511	119.724	ug/l	99
19) trans-1,2-Dichloroethene	5.594	96	1019492	135.108	ug/l	98
20) Diisopropyl ether	6.495	45	3211640	114.060	ug/l	96
21) 1,1-Dichloroethane	6.385	63	1793793	118.987	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	1251216	137.535	ug/l	96
23) tert-Butyl Alcohol	5.374	59	923491	649.461	ug/l #	100
24) Methyl tert-Butyl Ether	5.613	73	3432863	131.136	ug/l	97
25) Chloroform	7.817	83	2121002	125.229	ug/l	98
26) Cyclohexane	8.096	56	1593267	114.406	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	1535104	127.937	ug/l	99
30) 2-Butanone	7.332	43	3443937	623.098	ug/l	99
31) 2,2-Dichloropropane	7.327	77	1820928	150.014	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	1967660	141.802	ug/l	98
33) Carbon Tetrachloride	8.206	117	1778222	137.033	ug/l	99
34) Benzene	8.461	78	4517447	139.090	ug/l	97
35) Methacrylonitrile	7.638	41	680240	120.440	ug/l	97
36) 1,2-Dichloroethane	8.531	62	1637404	130.324	ug/l	100
37) Trichloroethene	9.217	130	1207092	148.063	ug/l	94
38) Methylcyclohexane	9.461	83	1958639	131.302	ug/l	99
39) 1,2-Dichloropropane	9.491	63	1113282	119.692	ug/l	99
40) Dibromomethane	9.577	93	891295	140.617	ug/l	97
41) Bromodichloromethane	9.762	83	1763825	138.714	ug/l	96
42) Vinyl Acetate	6.433	43	13241679	662.837	ug/l	98
43) Ethyl Acetate	7.412	43	1391390	128.979	ug/l	98

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44) Isopropyl Acetate	8.560	43	2506306	125.075	ug/l	99
45) 1,4-Dioxane	9.569	88	423173	2844.910	ug/l	98
46) Methyl methacrylate	9.561	41	1200101	119.295	ug/l	95
47) n-amyl Acetate	12.387	43	2271942	120.355	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	2041594	145.933	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	2053376	143.561	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	1270555	145.284	ug/l	100
51) Ethyl methacrylate	10.762	69	2045530	150.901	ug/l	93
52) 1,3-Dichloropropane	11.046	76	2026880	144.523	ug/l	99
53) Dibromochloromethane	11.240	129	1534027	153.505	ug/l	99
54) 1,2-Dibromoethane	11.347	107	1360438	149.516	ug/l	96
55) 2-Chloroethyl vinyl ether	10.043	63	2973223	752.987	ug/l	98
56) Bromoform	12.460	173	1171441	160.685	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	8335797	619.259	ug/l	96
59) 2-Hexanone	11.087	43	5890656	574.349	ug/l	97
61) Tetrachloroethene	10.979	164	1127038	141.589	ug/l	97
62) Toluene	10.507	91	5725905	137.953	ug/l	98
64) Chlorobenzene	11.773	112	3684773	153.634	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	1441204	147.378	ug/l	100
66) Ethyl Benzene	11.846	91	6835890	145.428	ug/l	97
67) m/p-Xylenes	11.956	106	5364860	293.815	ug/l	97
68) o-Xylene	12.283	106	2680964	143.812	ug/l	98
69) Styrene	12.296	104	4545836	144.032	ug/l	98
70) Isopropylbenzene	12.581	105	7015523	144.304	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	1742573	127.300	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	1382609m	109.129	ug/l	
73) Bromobenzene	12.862	156	1636328	153.712	ug/l	93
74) n-propylbenzene	12.924	91	8042630	146.505	ug/l	98
75) 2-Chlorotoluene	13.010	91	4622266	147.707	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	5721747	152.996	ug/l	97
77) t-1,4-Dichloro-2-butene	12.629	75	640709	135.279	ug/l	90
78) 4-Chlorotoluene	13.106	91	4613394	150.840	ug/l	100
79) tert-butylbenzene	13.326	119	5133732	160.929	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	5667341m	162.407	ug/l	
81) sec-Butylbenzene	13.503	105	7312177	170.499	ug/l	99
82) p-Isopropyltoluene	13.618	119	6224540	161.476	ug/l	98
83) 1,3-Dichlorobenzene	13.618	146	2967181	160.527	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	2792574	163.784	ug/l	99
85) n-Butylbenzene	13.943	91	5162666	167.366	ug/l	98
86) Hexachloroethane	14.214	117	1145716	159.957	ug/l	97
87) 1,2-Dichlorobenzene	13.991	146	2657670	159.883	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	338776	128.659	ug/l	90
89) 1,2,4-Trichlorobenzene	15.265	180	1454814	172.616	ug/l	98
90) Hexachlorobutadiene	15.372	225	637233	141.268	ug/l	99
91) Naphthalene	15.507	128	3967256	173.343	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	1340123	166.717	ug/l	100

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

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