

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069130.D
 Acq On : 22 Oct 2021 12:27
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 22 12:58:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 12:48:50 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

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

Internal Standards						
1) Bromochloromethane	7.659	128	64753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	365920	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	350458	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	148995	30.150	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.500%	
60) 4-Bromofluorobenzene	12.733	95	186776	33.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 110.767%	
63) Toluene-d8	10.443	98	468139	29.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.533%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.072	85	456762	144.564	ug/l	99
3) Chloromethane	2.300	50	463966	121.476	ug/l	96
4) Vinyl Chloride	2.443	62	555528	82.032	ug/l	99
5) Bromomethane	2.826	94	348097	55.744	ug/l	99
6) Chloroethane	3.000	64	345205	64.093	ug/l	97
7) Trichlorofluoromethane	3.368	101	714557	116.166	ug/l	99
8) Diethyl Ether	3.827	74	248997	115.913	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.213	101	383424m	109.006	ug/l	
10) 1,1-Dichloroethene	4.183	96	375483	114.274	ug/l	99
11) Methyl Iodide	4.425	142	560449	137.040	ug/l	96
12) Methyl Acetate	4.854	43	703335	121.358	ug/l	98
13) Acrolein	4.044	56	188169	704.125	ug/l	98
14) Acrylonitrile	5.554	53	1042101	572.792	ug/l	99
15) Acetone	4.285	58	307904	583.336	ug/l	98
16) Carbon Disulfide	4.535	76	1047729	118.892	ug/l	98
17) Allyl chloride	4.843	41	653566	123.209	ug/l	92
18) Methylene Chloride	5.098	84	442068	108.393	ug/l	97
19) trans-1,2-Dichloroethene	5.597	96	411893	108.091	ug/l	93
20) Diisopropyl ether	6.495	45	1400778	115.570	ug/l	95
21) 1,1-Dichloroethane	6.390	63	776292	110.969	ug/l	100
22) cis-1,2-Dichloroethene	7.326	96	492396	105.751	ug/l	100
23) tert-Butyl Alcohol	5.369	59	426344	621.075	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	1442262	112.335	ug/l	98
25) Chloroform	7.820	83	833758	102.983	ug/l	99
26) Cyclohexane	8.096	56	714471	115.578	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	617186	104.875	ug/l	97
30) 2-Butanone	7.335	43	1482686	551.229	ug/l	99
31) 2,2-Dichloropropane	7.326	77	731865	107.346	ug/l	98
32) 1,1,1-Trichloroethane	8.018	97	769219	102.993	ug/l	99
33) Carbon Tetrachloride	8.209	117	662494	100.405	ug/l	98
34) Benzene	8.461	78	1821287	104.328	ug/l	98
35) Methacrylonitrile	7.638	41	298703	113.457	ug/l	97
36) 1,2-Dichloroethane	8.531	62	659841	102.314	ug/l	99
37) Trichloroethene	9.217	130	465825	102.072	ug/l	94
38) Methylcyclohexane	9.461	83	777292	106.163	ug/l	98
39) 1,2-Dichloropropane	9.491	63	465068	106.838	ug/l	98
40) Dibromomethane	9.577	93	326894	97.439	ug/l	97
41) Bromodichloromethane	9.764	83	671258	101.794	ug/l	96
42) Vinyl Acetate	6.433	43	5367252	546.402	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	600495	111.048	ug/l	97
44) Isopropyl Acetate	8.560	43	1041993	107.529	ug/l	97
45) 1,4-Dioxane	9.569	88	176306	2278.239	ug/l	94
46) Methyl methacrylate	9.561	41	493167	115.433	ug/l	92
47) n-amyl Acetate	12.390	43	964422	118.046	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	788246	108.513	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	808844	108.881	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	468222	100.242	ug/l	97
51) Ethyl methacrylate	10.762	69	794174	110.084	ug/l	93
52) 1,3-Dichloropropane	11.046	76	789330	103.348	ug/l	99
53) Dibromochloromethane	11.239	129	525612	99.813	ug/l	100
54) 1,2-Dibromoethane	11.349	107	498147	101.970	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	1270467	618.284	ug/l	99
56) Bromoform	12.460	173	394941	103.954	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	3119960	519.104	ug/l	97
59) 2-Hexanone	11.087	43	2354024	534.625	ug/l	97
61) Tetrachloroethene	10.979	164	396456	96.794	ug/l	97
62) Toluene	10.507	91	2123205	100.432	ug/l	98
64) Chlorobenzene	11.773	112	1314982	101.543	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	492201	98.953	ug/l	99
66) Ethyl Benzene	11.846	91	2419365	101.346	ug/l	98
67) m/p-Xylenes	11.956	106	1830362	199.039	ug/l	97
68) o-Xylene	12.283	106	924092	101.903	ug/l	98
69) Styrene	12.296	104	1576097	105.295	ug/l	97
70) Isopropylbenzene	12.580	105	2444326	101.902	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	711815	104.382	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	663617m	118.478	ug/l	
73) Bromobenzene	12.862	156	554221	101.777	ug/l	94
74) n-propylbenzene	12.924	91	2842125	103.609	ug/l	100
75) 2-Chlorotoluene	13.010	91	1725204	106.408	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	2041487	103.079	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	259921	119.742	ug/l	93
78) 4-Chlorotoluene	13.106	91	1711791	107.337	ug/l	96
79) tert-butylbenzene	13.326	119	1808299	103.847	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	1999343m	101.904	ug/l	
81) sec-Butylbenzene	13.506	105	2535757	102.297	ug/l	100
82) p-Isopropyltoluene	13.618	119	2101494	102.675	ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	998042	99.995	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	984921	103.789	ug/l	98
85) n-Butylbenzene	13.946	91	1806666	107.669	ug/l	98
86) Hexachloroethane	14.214	117	401951	104.668	ug/l	93
87) 1,2-Dichlorobenzene	13.991	146	947304	102.135	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	139168	115.042	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	495698	109.926	ug/l	98
90) Hexachlorobutadiene	15.372	225	244721	106.961	ug/l	99
91) Naphthalene	15.507	128	1434598	115.162	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	475833	111.107	ug/l	99

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

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