

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073068.D
 Acq On : 24 Jun 2022 01:10
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 24 04:21:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:19:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Bromochloromethane	7.587	128	43234	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	243213	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	222363	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	119896	25.162	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	83.867%#		
60) 4-Bromofluorobenzene	12.669	95	133555	29.615	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.733%		
63) Toluene-d8	10.375	98	354658	29.015	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	355906	107.189	ug/l	98
3) Chloromethane	2.269	50	325929	93.504	ug/l	96
4) Vinyl Chloride	2.405	62	291928	92.847	ug/l	98
5) Bromomethane	2.781	94	71430	45.718	ug/l	99
6) Chloroethane	2.946	64	168816	82.512	ug/l	97
7) Trichlorofluoromethane	3.310	101	532285	94.468	ug/l	100
8) Diethyl Ether	3.769	74	218374	98.435	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.140	101	293395	97.790	ug/l #	69
10) 1,1-Dichloroethene	4.110	96	298264	103.061	ug/l	98
11) Methyl Iodide	4.346	142	329438	118.454	ug/l	92
12) Methyl Acetate	4.775	43	584813	97.853	ug/l	92
13) Acrolein	3.981	56	314678	572.936	ug/l	98
14) Acrylonitrile	5.475	53	1162829	486.557	ug/l	98
15) Acetone	4.222	58	319902	488.891	ug/l	93
16) Carbon Disulfide	4.457	76	820540	111.519	ug/l	97
17) Allyl chloride	4.757	41	568259	94.229	ug/l	84
18) Methylene Chloride	5.010	84	346758	97.273	ug/l	92
19) trans-1,2-Dichloroethene	5.516	96	309631	100.412	ug/l	93
20) Diisopropyl ether	6.416	45	1186459	98.437	ug/l	91
21) 1,1-Dichloroethane	6.304	63	618174	92.657	ug/l	97
22) cis-1,2-Dichloroethene	7.251	96	367497	96.144	ug/l	95
23) tert-Butyl Alcohol	5.293	59	467971	436.576	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	1111127	89.954	ug/l	99
25) Chloroform	7.745	83	619188	91.024	ug/l	97
26) Cyclohexane	8.022	56	549220	97.918	ug/l #	94
29) 1,1-Dichloropropene	8.151	75	461522	100.388	ug/l	97
30) 2-Butanone	7.257	43	1710135	506.127	ug/l	93
31) 2,2-Dichloropropane	7.245	77	205624	37.463	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	558089	94.118	ug/l	98
33) Carbon Tetrachloride	8.134	117	479823	94.030	ug/l	99
34) Benzene	8.386	78	1390122	100.752	ug/l	99
35) Methacrylonitrile	7.563	41	303122	92.145	ug/l	90
36) 1,2-Dichloroethane	8.463	62	518848	91.858	ug/l	99
37) Trichloroethene	9.145	130	350184	105.218	ug/l	93
38) Methylcyclohexane	9.392	83	549274	99.762	ug/l	92
39) 1,2-Dichloropropane	9.422	63	357358	95.654	ug/l	100
40) Dibromomethane	9.510	93	242893	94.779	ug/l	94
41) Bromodichloromethane	9.698	83	497789	92.742	ug/l	97
42) Vinyl Acetate	6.351	43	5435705	501.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	670852	103.144	ug/l	97
44) Isopropyl Acetate	8.492	43	1017648	97.036	ug/l	98
45) 1,4-Dioxane	9.504	88	174614	2001.688	ug/l	91
46) Methyl methacrylate	9.492	41	462273	98.102	ug/l	82
47) n-amyl Acetate	12.327	43	852127	104.451	ug/l	97
48) t-1,3-Dichloropropene	10.657	75	487200	81.678	ug/l	97
49) cis-1,3-Dichloropropene	10.122	75	516709	84.349	ug/l	98
50) 1,1,2-Trichloroethane	10.833	97	351213	97.029	ug/l	97
51) Ethyl methacrylate	10.698	69	623539	96.090	ug/l	89
52) 1,3-Dichloropropane	10.980	76	616229	96.689	ug/l	99
53) Dibromochloromethane	11.175	129	381464	97.122	ug/l	99
54) 1,2-Dibromoethane	11.280	107	377797	99.265	ug/l	97
55) 2-Chloroethyl vinyl ether	9.975	63	1335156	506.793	ug/l	99
56) Bromoform	12.392	173	285309	103.224	ug/l #	100
58) 4-Methyl-2-Pentanone	10.269	43	3241998	487.343	ug/l	97
59) 2-Hexanone	11.022	43	2514857	497.083	ug/l	98
61) Tetrachloroethene	10.910	164	292756	105.855	ug/l	92
62) Toluene	10.439	91	1500343	99.472	ug/l	97
64) Chlorobenzene	11.704	112	912804	99.797	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.775	131	345416	97.389	ug/l	100
66) Ethyl Benzene	11.780	91	1690367	98.852	ug/l	99
67) m/p-Xylenes	11.886	106	1264033	200.764	ug/l	98
68) o-Xylene	12.216	106	636172	99.457	ug/l	98
69) Styrene	12.233	104	1051979	102.676	ug/l	98
70) Isopropylbenzene	12.516	105	1665486	99.893	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.763	83	552535	97.861	ug/l	98
72) 1,2,3-Trichloropropane	12.816	75	443608m	93.687	ug/l	
73) Bromobenzene	12.792	156	384294	110.600	ug/l	93
74) n-propylbenzene	12.857	91	1935194	101.511	ug/l	100
75) 2-Chlorotoluene	12.939	91	1172492	98.807	ug/l	97
76) 1,3,5-Trimethylbenzene	12.992	105	1394396	101.633	ug/l	98
77) t-1,4-Dichloro-2-butene	12.563	75	146234	75.341	ug/l	96
78) 4-Chlorotoluene	13.039	91	1145595	102.074	ug/l	96
79) tert-butylbenzene	13.257	119	1192819	97.698	ug/l	99
80) 1,2,4-Trimethylbenzene	13.304	105	1363669m	84.949	ug/l	
81) sec-Butylbenzene	13.439	105	1690945	102.150	ug/l	99
82) p-Isopropyltoluene	13.551	119	1386396	104.135	ug/l	99
83) 1,3-Dichlorobenzene	13.551	146	695712	113.050	ug/l	99
84) 1,4-Dichlorobenzene	13.627	146	706276	117.872	ug/l	100
85) n-Butylbenzene	13.880	91	1192600	107.281	ug/l	97
86) Hexachloroethane	14.145	117	271513	95.742	ug/l	96
87) 1,2-Dichlorobenzene	13.921	146	705966	114.986	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.539	75	147685	103.941	ug/l	94
89) 1,2,4-Trichlorobenzene	15.192	180	406702	131.129	ug/l	97
90) Hexachlorobutadiene	15.298	225	157181	116.651	ug/l	98
91) Naphthalene	15.427	128	1539646	123.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.621	180	405608	127.820	ug/l	100

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

