

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069131.D
 Acq On : 22 Oct 2021 12:52
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 22 13:10:51 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	7.662	128	59516	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	331896	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	318278	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	135788	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	12.733	95	173190	33.924	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	113.067%#		
63) Toluene-d8	10.443	98	424830	29.533	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.433%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	604089	208.016	ug/l	98
3) Chloromethane	2.301	50	595605	169.664	ug/l	97
4) Vinyl Chloride	2.443	62	710429	114.137	ug/l	99
5) Bromomethane	2.821	94	427085	74.411	ug/l	99
6) Chloroethane	2.995	64	435834	88.040	ug/l	98
7) Trichlorofluoromethane	3.365	101	927666	164.082	ug/l	98
8) Diethyl Ether	3.824	74	324015	164.107	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	502155	155.322	ug/l #	70
10) 1,1-Dichloroethene	4.181	96	491365	162.700	ug/l	97
11) Methyl Iodide	4.422	142	736360	195.897	ug/l	96
12) Methyl Acetate	4.851	43	917029	172.154	ug/l	98
13) Acrolein	4.041	56	254605	1036.560	ug/l	98
14) Acrylonitrile	5.554	53	1366570	817.232	ug/l	99
15) Acetone	4.285	58	379557	782.360	ug/l	99
16) Carbon Disulfide	4.532	76	1382894	170.734	ug/l	99
17) Allyl chloride	4.840	41	858385	176.061	ug/l	92
18) Methylene Chloride	5.098	84	576991	153.925	ug/l	98
19) trans-1,2-Dichloroethene	5.597	96	539925	154.157	ug/l	94
20) Diisopropyl ether	6.498	45	1821167	163.475	ug/l	94
21) 1,1-Dichloroethane	6.388	63	1013960	157.698	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	639794	149.499	ug/l	100
23) tert-Butyl Alcohol	5.369	59	553415	877.124	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	1876949	159.055	ug/l	98
25) Chloroform	7.820	83	1085722	145.906	ug/l	99
26) Cyclohexane	8.099	56	918868	161.723	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	799957	149.867	ug/l	98
30) 2-Butanone	7.335	43	1866557	765.082	ug/l	99
31) 2,2-Dichloropropane	7.327	77	951331	153.841	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	1001683	147.867	ug/l	99
33) Carbon Tetrachloride	8.209	117	861339	143.923	ug/l	99
34) Benzene	8.461	78	2355586	148.767	ug/l	97
35) Methacrylonitrile	7.638	41	398134	166.727	ug/l	98
36) 1,2-Dichloroethane	8.531	62	861554	147.286	ug/l	100
37) Trichloroethene	9.217	130	605017	146.163	ug/l	92
38) Methylcyclohexane	9.461	83	1003373	151.089	ug/l	97
39) 1,2-Dichloropropane	9.494	63	604103	153.005	ug/l	99
40) Dibromomethane	9.579	93	427560	140.510	ug/l	97
41) Bromodichloromethane	9.764	83	874489	146.207	ug/l	97
42) Vinyl Acetate	6.433	43	6991940	784.770	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	762610	155.484	ug/l	99
44) Isopropyl Acetate	8.560	43	1358482	154.561	ug/l	98
45) 1,4-Dioxane	9.569	88	230304	3281.087	ug/l	96
46) Methyl methacrylate	9.561	41	650087	167.761	ug/l	92
47) n-amyl Acetate	12.387	43	1251824	168.931	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	1032313	156.681	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	1057815	156.993	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	613919	144.909	ug/l	98
51) Ethyl methacrylate	10.762	69	1044009	159.550	ug/l	92
52) 1,3-Dichloropropane	11.046	76	1031259	148.865	ug/l	99
53) Dibromochloromethane	11.240	129	689670	144.393	ug/l	100
54) 1,2-Dibromoethane	11.347	107	651879	147.119	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	1672301	897.270	ug/l	99
56) Bromoform	12.460	173	529350	153.615	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	4078990	747.287	ug/l	97
59) 2-Hexanone	11.087	43	3064286	766.297	ug/l	97
61) Tetrachloroethene	10.979	164	508396	136.674	ug/l	97
62) Toluene	10.507	91	2740736	142.751	ug/l	98
64) Chlorobenzene	11.773	112	1707078	145.148	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	639275	141.515	ug/l	100
66) Ethyl Benzene	11.846	91	3145613	145.091	ug/l	99
67) m/p-Xylenes	11.956	106	2385743	285.664	ug/l	97
68) o-Xylene	12.283	106	1205742	146.405	ug/l	97
69) Styrene	12.296	104	2075645	152.689	ug/l	97
70) Isopropylbenzene	12.581	105	3179045	145.931	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	918883	148.371	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	795862m	156.454	ug/l	
73) Bromobenzene	12.862	156	734418	148.505	ug/l	95
74) n-propylbenzene	12.921	91	3718260	149.253	ug/l	100
75) 2-Chlorotoluene	13.010	91	2245404	152.496	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	2646541	147.140	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	341941	173.455	ug/l	93
78) 4-Chlorotoluene	13.106	91	2259740	156.023	ug/l	95
79) tert-butylbenzene	13.326	119	2320823	146.756	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	2596884m	145.743	ug/l	
81) sec-Butylbenzene	13.503	105	3297151	146.461	ug/l	100
82) p-Isopropyltoluene	13.618	119	2730019	146.869	ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	1303812	143.838	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	1270595	147.430	ug/l	97
85) n-Butylbenzene	13.943	91	2366420	155.287	ug/l	98
86) Hexachloroethane	14.211	117	530342	152.063	ug/l	92
87) 1,2-Dichlorobenzene	13.991	146	1215164	144.261	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	182430	166.052	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	661135	161.437	ug/l	98
90) Hexachlorobutadiene	15.372	225	314185	151.205	ug/l	99
91) Naphthalene	15.507	128	1915774	169.337	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	622389	160.021	ug/l	99

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

