

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077271.D
 Acq On : 07 Apr 2023 11:11
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Apr 07 11:30:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 11:25:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/10/2023
 Supervised By : Semsettin Yesilyurt 04/10/2023

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

Internal Standards						
1) Bromochloromethane	7.825	128	66958	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	510020	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	571397	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	172061	27.957	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.200%		
60) 4-Bromofluorobenzene	12.854	95	318428	29.445	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.133%		
63) Toluene-d8	10.572	98	601863	29.947	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	937871	109.457	ug/l	97
3) Chloromethane	2.372	50	1042824	133.157	ug/l	97
4) Vinyl Chloride	2.519	62	1563276	218.897	ug/l	93
5) Bromomethane	2.913	94	1061442	232.416	ug/l	92
6) Chloroethane	3.102	64	1033390	246.251	ug/l	95
7) Trichlorofluoromethane	3.496	101	1537949	115.277	ug/l	99
8) Diethyl Ether	3.966	74	661925	132.298	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.372	101	982834	130.036	ug/l	99
10) 1,1-Dichloroethene	4.343	96	987104	134.556	ug/l	87
11) Methyl Iodide	4.596	142	1261746	142.740	ug/l	90
12) Methyl Acetate	5.031	43	1497714m	124.127	ug/l	
13) Acrolein	4.184	56	966293	541.711	ug/l	99
14) Acrylonitrile	5.731	53	2621903	659.638	ug/l	98
15) Acetone	4.431	58	792394	732.523	ug/l	77
16) Carbon Disulfide	4.719	76	2610654	128.342	ug/l	98
17) Allyl chloride	5.031	41	1252155	113.800	ug/l	84
18) Methylene Chloride	5.284	84	1137791	132.597	ug/l #	78
19) trans-1,2-Dichloroethene	5.790	96	1096690	141.874	ug/l	92
20) Diisopropyl ether	6.678	45	3066046	123.519	ug/l #	87
21) 1,1-Dichloroethane	6.572	63	1969762	133.346	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	1352349	152.660	ug/l	89
23) tert-Butyl Alcohol	5.537	59	1088472m	942.911	ug/l	
24) Methyl tert-Butyl Ether	5.801	73	3650466m	152.625	ug/l	
25) Chloroform	7.972	83	2082684	137.250	ug/l	99
26) Cyclohexane	8.260	56	1648850	122.256	ug/l #	76
29) 1,1-Dichloropropene	8.372	75	1575432	131.144	ug/l	97
30) 2-Butanone	7.489	43	3394753	619.396	ug/l #	85
31) 2,2-Dichloropropane	7.495	77	1914528	160.858	ug/l #	59
32) 1,1,1-Trichloroethane	8.172	97	1918317	136.903	ug/l	94
33) Carbon Tetrachloride	8.366	117	1618893	130.663	ug/l	97
34) Benzene	8.607	78	4716468	128.065	ug/l	95
35) Methacrylonitrile	7.784	41	700637	113.608	ug/l	82
36) 1,2-Dichloroethane	8.678	62	1512460	122.521	ug/l	97
37) Trichloroethene	9.354	130	1162284	128.046	ug/l	95
38) Methylcyclohexane	9.601	83	2105135	140.785	ug/l	91
39) 1,2-Dichloropropane	9.625	63	1167594	123.391	ug/l	96
40) Dibromomethane	9.707	93	854004	141.663	ug/l	96
41) Bromodichloromethane	9.889	83	1702370	137.793	ug/l	100
42) Vinyl Acetate	6.607	43	10665264m	624.267	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	1340711	121.232	ug/l	99
44) Isopropyl Acetate	8.689	43	2377240	132.605	ug/l	90
45) 1,4-Dioxane	9.701	88	494741	3280.462	ug/l #	86
46) Methyl methacrylate	9.683	41	1046435	119.862	ug/l	77
47) n-amyl Acetate	12.495	43	2252101	154.366	ug/l	97
48) t-1,3-Dichloropropene	10.836	75	2008290	162.295	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	2071747	147.406	ug/l #	88
50) 1,1,2-Trichloroethane	11.019	97	1228775	139.134	ug/l	96
51) Ethyl methacrylate	10.877	69	1982655	152.280	ug/l	83
52) 1,3-Dichloropropane	11.166	76	2052489	134.553	ug/l	100
53) Dibromochloromethane	11.360	129	1342517	149.008	ug/l	99
54) 1,2-Dibromoethane	11.472	107	1258415	147.659	ug/l	99
55) 2-Chloroethyl vinyl ether	10.166	63	3603303	789.352	ug/l	97
56) Bromoform	12.577	173	932385	154.686	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	7073800	612.823	ug/l #	83
59) 2-Hexanone	11.195	43	5302156	646.616	ug/l #	84
61) Tetrachloroethene	11.107	164	896243	99.358	ug/l	90
62) Toluene	10.630	91	5474790	139.050	ug/l	100
64) Chlorobenzene	11.895	112	3330815	143.716	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.966	131	1219664	140.111	ug/l	95
66) Ethyl Benzene	11.966	91	6219163	145.488	ug/l	96
67) m/p-Xylenes	12.072	106	4808345	296.954	ug/l	98
68) o-Xylene	12.401	106	2405414	152.158	ug/l	98
69) Styrene	12.413	104	4062020	158.430	ug/l	99
70) Isopropylbenzene	12.695	105	6245761	151.844	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	1879893	151.579	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	1359708m	119.515	ug/l	
73) Bromobenzene	12.983	156	1260226	135.769	ug/l	91
74) n-propylbenzene	13.042	91	7286628	150.081	ug/l	98
75) 2-Chlorotoluene	13.130	91	4249757	141.539	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	5210551	146.355	ug/l	95
77) t-1,4-Dichloro-2-butene	12.736	75	705478	203.137	ug/l	84
78) 4-Chlorotoluene	13.224	91	4205289	145.294	ug/l	96
79) tert-butylbenzene	13.442	119	4465086	149.974	ug/l	97
80) 1,2,4-Trimethylbenzene	13.483	105	5237454	149.695	ug/l	96
81) sec-Butylbenzene	13.618	105	6667764	156.532	ug/l	99
82) p-Isopropyltoluene	13.730	119	5501219	159.791	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	2559087	149.006	ug/l	98
84) 1,4-Dichlorobenzene	13.813	146	2546959	152.672	ug/l	95
85) n-Butylbenzene	14.060	91	5059047	173.364	ug/l	98
86) Hexachloroethane	14.336	117	1097687	178.573	ug/l	93
87) 1,2-Dichlorobenzene	14.107	146	2544585	148.575	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	386174	159.870	ug/l	92
89) 1,2,4-Trichlorobenzene	15.371	180	1284363	140.582	ug/l	97
90) Hexachlorobutadiene	15.465	225	523993	108.791	ug/l	96
91) Naphthalene	15.589	128	4770188	164.620	ug/l	98
92) 1,2,3-Trichlorobenzene	15.754	180	1203410m	131.392	ug/l	

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

