

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041024\
 Data File : VN081680.D
 Acq On : 10 Apr 2024 14:01
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Apr 11 09:08:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:07:06 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2024
 Supervised By : Mahesh Dadoda 04/11/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	29783	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	202611	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	274643	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	109578	29.949	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.833%		
60) 4-Bromofluorobenzene	12.853	95	168226	31.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.867%		
63) Toluene-d8	10.571	98	336887	30.580	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.933%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	207094	49.763	ug/l	98
3) Chloromethane	2.359	50	179292	49.657	ug/l	98
4) Vinyl Chloride	2.518	62	182548	49.168	ug/l	98
5) Bromomethane	2.959	94	140750	44.763	ug/l	100
6) Chloroethane	3.124	64	133981	46.106	ug/l	96
7) Trichlorofluoromethane	3.500	101	348982	57.232	ug/l	94
8) Diethyl Ether	3.965	74	107007	47.068	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	200129m	47.853	ug/l	
10) 1,1-Dichloroethene	4.347	96	183242	50.149	ug/l	96
11) Methyl Iodide	4.589	142	227139	52.263	ug/l	93
12) Methyl Acetate	5.024	43	171917	48.868	ug/l	89
13) Acrolein	4.183	56	107276	231.290	ug/l	98
14) Acrylonitrile	5.724	53	433271	247.158	ug/l	97
15) Acetone	4.418	58	90515	234.186	ug/l	91
16) Carbon Disulfide	4.712	76	524953	48.135	ug/l #	94
17) Allyl chloride	5.030	41	227206	48.972	ug/l	94
18) Methylene Chloride	5.277	84	219784	49.767	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	203823	48.462	ug/l	85
20) Diisopropyl ether	6.671	45	557237	50.283	ug/l	95
21) 1,1-Dichloroethane	6.565	63	365229	49.593	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	251076	49.436	ug/l	95
23) tert-Butyl Alcohol	5.518	59	151189	242.950	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	604241	50.374	ug/l	95
25) Chloroform	7.965	83	415557	49.593	ug/l	98
26) Cyclohexane	8.259	56	306272	51.877	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	282740	53.080	ug/l	98
30) 2-Butanone	7.483	43	523541	257.357	ug/l	98
31) 2,2-Dichloropropane	7.488	77	343795	51.817	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	375924	51.206	ug/l	99
33) Carbon Tetrachloride	8.365	117	340651	51.191	ug/l	97
34) Benzene	8.606	78	886494	51.663	ug/l	100
35) Methacrylonitrile	7.783	41	123715	53.691	ug/l	92
36) 1,2-Dichloroethane	8.671	62	283946	50.450	ug/l	100
37) Trichloroethene	9.353	130	226208	49.818	ug/l	98
38) Methylcyclohexane	9.606	83	337364	51.818	ug/l	96
39) 1,2-Dichloropropane	9.624	63	206084	51.481	ug/l	99
40) Dibromomethane	9.712	93	163858	51.386	ug/l	97
41) Bromodichloromethane	9.888	83	328557	50.527	ug/l	95
42) Vinyl Acetate	6.606	43	2273749	268.304	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	227911m	50.680	ug/l	
44) Isopropyl Acetate	8.688	43	388233	51.680	ug/l	98
45) 1,4-Dioxane	9.694	88	88979	1072.986	ug/l	93
46) Methyl methacrylate	9.682	41	181342	53.680	ug/l	92
47) n-amyl Acetate	12.494	43	356818	52.934	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	320759	51.776	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	345921	51.851	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	217752	50.998	ug/l	98
51) Ethyl methacrylate	10.876	69	317303	53.371	ug/l	94
52) 1,3-Dichloropropane	11.165	76	358870	51.277	ug/l	99
53) Dibromochloromethane	11.359	129	263626	51.687	ug/l	99
54) 1,2-Dibromoethane	11.471	107	226323	51.280	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	813739	278.723	ug/l	98
56) Bromoform	12.582	173	173128	53.084	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	1220226	258.355	ug/l	95
59) 2-Hexanone	11.200	43	944203	266.195	ug/l	94
61) Tetrachloroethene	11.106	164	260579	51.204	ug/l	88
62) Toluene	10.635	91	1011061	50.601	ug/l	99
64) Chlorobenzene	11.894	112	633623	50.010	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	226782	49.275	ug/l	97
66) Ethyl Benzene	11.965	91	1112903	52.387	ug/l	98
67) m/p-Xylenes	12.070	106	885537	105.235	ug/l	95
68) o-Xylene	12.400	106	420992	52.700	ug/l	95
69) Styrene	12.412	104	717906	52.769	ug/l	96
70) Isopropylbenzene	12.700	105	1091632	52.969	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	265408	49.300	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	263657m	34.727	ug/l	
73) Bromobenzene	12.982	156	260763	51.063	ug/l	91
74) n-propylbenzene	13.035	91	1303209	52.797	ug/l	98
75) 2-Chlorotoluene	13.123	91	773531	52.632	ug/l	94
76) 1,3,5-Trimethylbenzene	13.176	105	935585	53.485	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	103463	50.126	ug/l	94
78) 4-Chlorotoluene	13.223	91	761566	52.244	ug/l	93
79) tert-butylbenzene	13.441	119	789733	53.068	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	943026	54.058	ug/l	97
81) sec-Butylbenzene	13.617	105	1132170	52.753	ug/l	98
82) p-Isopropyltoluene	13.729	119	960532	53.364	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	490703	51.416	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	475294	51.447	ug/l	98
85) n-Butylbenzene	14.059	91	799937	52.761	ug/l	100
86) Hexachloroethane	14.335	117	169939	49.420	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	471839	51.940	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	58721	50.035	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	254771	50.816	ug/l	99
90) Hexachlorobutadiene	15.500	225	99218	49.724	ug/l	100
91) Naphthalene	15.641	128	847163	52.920	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	254771	51.167	ug/l	99

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

