

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074355.D
 Acq On : 08 Sep 2022 13:36
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 08 14:14:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 08 13:42:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/09/2022
 Supervised By : Mahesh Dadoda 09/09/2022

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

Internal Standards						
1) Bromochloromethane	7.587	128	76004	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	430217	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	417847	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	219056	31.655	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 105.533%		
60) 4-Bromofluorobenzene	12.675	95	256802	33.788	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 112.633%#		
63) Toluene-d8	10.381	98	685514	29.280	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 97.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	500319	94.882	ug/l	100
3) Chloromethane	2.263	50	653614	93.276	ug/l	97
4) Vinyl Chloride	2.405	62	745478	89.182	ug/l	99
5) Bromomethane	2.775	94	392016	88.116	ug/l	100
6) Chloroethane	2.934	64	494202	87.314	ug/l	93
7) Trichlorofluoromethane	3.299	101	828094	97.161	ug/l	98
8) Diethyl Ether	3.757	74	349088	99.522	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.128	101	495175	97.327	ug/l	74
10) 1,1-Dichloroethene	4.104	96	490603	99.506	ug/l	92
11) Methyl Iodide	4.346	142	643568	110.537	ug/l	98
12) Methyl Acetate	4.769	43	1010291	115.846	ug/l	95
13) Acrolein	3.969	56	749673	522.306	ug/l	97
14) Acrylonitrile	5.469	53	2097825	542.852	ug/l	98
15) Acetone	4.216	58	539868	504.402	ug/l	99
16) Carbon Disulfide	4.452	76	1386592	102.382	ug/l	98
17) Allyl chloride	4.751	41	1037663	119.454	ug/l	90
18) Methylene Chloride	5.004	84	601581	97.475	ug/l	91
19) trans-1,2-Dichloroethene	5.510	96	560859	103.733	ug/l	96
20) Diisopropyl ether	6.404	45	2200071	117.945	ug/l	96
21) 1,1-Dichloroethane	6.298	63	1121077	105.052	ug/l	99
22) cis-1,2-Dichloroethene	7.245	96	667735	100.884	ug/l	96
23) tert-Butyl Alcohol	5.293	59	916714	626.773	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	2063168	114.381	ug/l	97
25) Chloroform	7.745	83	1164362	106.454	ug/l	95
26) Cyclohexane	8.016	56	1035744	109.744	ug/l #	96
29) 1,1-Dichloropropene	8.151	75	857450	104.756	ug/l	96
30) 2-Butanone	7.257	43	3050583	535.504	ug/l	96
31) 2,2-Dichloropropane	7.245	77	1015121	113.746	ug/l	98
32) 1,1,1-Trichloroethane	7.940	97	1065863	111.718	ug/l	98
33) Carbon Tetrachloride	8.128	117	905415	110.377	ug/l	99
34) Benzene	8.387	78	2630136	100.683	ug/l	99
35) Methacrylonitrile	7.563	41	570644	124.717	ug/l	93
36) 1,2-Dichloroethane	8.463	62	936981	106.743	ug/l	99
37) Trichloroethene	9.151	130	606468	95.330	ug/l	94
38) Methylcyclohexane	9.392	83	1064890	104.496	ug/l	95
39) 1,2-Dichloropropane	9.428	63	676062	102.083	ug/l	99
40) Dibromomethane	9.516	93	472197	105.041	ug/l	98
41) Bromodichloromethane	9.698	83	944760	106.484	ug/l #	95
42) Vinyl Acetate	6.346	43	10033868	593.741	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	1225805	110.494	ug/l	98
44) Isopropyl Acetate	8.492	43	1898611	121.358	ug/l	98
45) 1,4-Dioxane	9.504	88	373910	2119.912	ug/l	93
46) Methyl methacrylate	9.498	41	813666	117.502	ug/l	88
47) n-amyl Acetate	12.333	43	1804185	138.981	ug/l	95
48) t-1,3-Dichloropropene	10.657	75	1123079	118.689	ug/l	100
49) cis-1,3-Dichloropropene	10.128	75	1136961	110.887	ug/l	96
50) 1,1,2-Trichloroethane	10.839	97	677785	101.456	ug/l	98
51) Ethyl methacrylate	10.704	69	1227826	116.689	ug/l	94
52) 1,3-Dichloropropane	10.986	76	1164527	102.058	ug/l	100
53) Dibromochloromethane	11.180	129	764931	111.103	ug/l	100
54) 1,2-Dibromoethane	11.286	107	726876	105.739	ug/l	98
55) 2-Chloroethyl vinyl ether	9.981	63	2919179	615.453	ug/l	98
56) Bromoform	12.398	173	601349	111.928	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	6399166	567.534	ug/l	98
59) 2-Hexanone	11.028	43	5011613	575.300	ug/l	99
61) Tetrachloroethene	10.916	164	508543	82.860	ug/l	96
62) Toluene	10.445	91	2955382	100.872	ug/l	97
64) Chlorobenzene	11.710	112	1783431	101.683	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.780	131	683274	103.934	ug/l	99
66) Ethyl Benzene	11.786	91	3348101	105.348	ug/l	99
67) m/p-Xylenes	11.898	106	2601548	214.460	ug/l	99
68) o-Xylene	12.222	106	1310420	108.232	ug/l	99
69) Styrene	12.233	104	2242901	113.253	ug/l	98
70) Isopropylbenzene	12.522	105	3489824	112.602	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	1182898	109.203	ug/l	98
72) 1,2,3-Trichloropropane	12.822	75	935974m	98.582	ug/l	
73) Bromobenzene	12.804	156	763688	102.291	ug/l	90
74) n-propylbenzene	12.863	91	4097997	113.937	ug/l	100
75) 2-Chlorotoluene	12.951	91	2423068	112.720	ug/l	98
76) 1,3,5-Trimethylbenzene	13.004	105	2972831	115.157	ug/l	97
77) t-1,4-Dichloro-2-butene	12.569	75	456319	130.896	ug/l	93
78) 4-Chlorotoluene	13.045	91	2445753	117.974	ug/l	96
79) tert-butylbenzene	13.269	119	2634508	116.361	ug/l	97
80) 1,2,4-Trimethylbenzene	13.310	105	2954972m	114.902	ug/l	
81) sec-Butylbenzene	13.445	105	3738391	116.613	ug/l	99
82) p-Isopropyltoluene	13.557	119	3151769	119.560	ug/l	99
83) 1,3-Dichlorobenzene	13.557	146	1505704	109.825	ug/l	99
84) 1,4-Dichlorobenzene	13.639	146	1468170	110.732	ug/l	98
85) n-Butylbenzene	13.886	91	2747199	125.537	ug/l	98
86) Hexachloroethane	14.151	117	589040	119.280	ug/l	99
87) 1,2-Dichlorobenzene	13.927	146	1496382	107.967	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.545	75	296488	121.146	ug/l	96
89) 1,2,4-Trichlorobenzene	15.198	180	830352	107.993	ug/l	98
90) Hexachlorobutadiene	15.310	225	340907	90.503	ug/l	99
91) Naphthalene	15.439	128	3290352	125.446	ug/l	99
92) 1,2,3-Trichlorobenzene	15.633	180	837422	107.483	ug/l	99

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

