

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074354.D
 Acq On : 08 Sep 2022 13:12
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Sep 08 13:45:28 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	7.575	128	71868	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	426743	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	402316	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	228195	34.874	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.233%#			
60) 4-Bromofluorobenzene	12.674	95	246576	33.695	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 112.333%#			
63) Toluene-d8	10.380	98	678505	30.100	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	248003	49.739	ug/l	99
3) Chloromethane	2.263	50	332462	50.176	ug/l	99
4) Vinyl Chloride	2.404	62	380746	48.170	ug/l	99
5) Bromomethane	2.775	94	217835	51.782	ug/l	96
6) Chloroethane	2.946	64	255413	47.722	ug/l	98
7) Trichlorofluoromethane	3.304	101	417987	51.865	ug/l	100
8) Diethyl Ether	3.757	74	175936	53.045	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.140	101	248934	51.744	ug/l	74
10) 1,1-Dichloroethene	4.110	96	235091	50.426	ug/l	83
11) Methyl Iodide	4.345	142	304209	55.257	ug/l	95
12) Methyl Acetate	4.769	43	507481	61.540	ug/l	94
13) Acrolein	3.975	56	368614	271.598	ug/l	98
14) Acrylonitrile	5.469	53	1029148	281.638	ug/l	98
15) Acetone	4.222	58	266429	263.252	ug/l	98
16) Carbon Disulfide	4.451	76	680239	53.117	ug/l	96
17) Allyl chloride	4.757	41	524625	63.870	ug/l	94
18) Methylene Chloride	5.004	84	292382	50.101	ug/l	90
19) trans-1,2-Dichloroethene	5.510	96	274643	53.720	ug/l	96
20) Diisopropyl ether	6.410	45	1087213	61.640	ug/l	97
21) 1,1-Dichloroethane	6.298	63	560243	55.520	ug/l	99
22) cis-1,2-Dichloroethene	7.245	96	332812	53.177	ug/l	96
23) tert-Butyl Alcohol	5.287	59	457579	330.859	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	1016637	59.605	ug/l	99
25) Chloroform	7.745	83	578823	55.966	ug/l	99
26) Cyclohexane	8.022	56	516610	57.889	ug/l #	95
29) 1,1-Dichloropropene	8.145	75	434465	53.512	ug/l	95
30) 2-Butanone	7.257	43	1524666	269.821	ug/l	95
31) 2,2-Dichloropropane	7.245	77	509097	57.510	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	523621	55.330	ug/l	97
33) Carbon Tetrachloride	8.133	117	455297	55.956	ug/l	99
34) Benzene	8.392	78	1309884	50.551	ug/l	99
35) Methacrylonitrile	7.569	41	321408	70.817	ug/l	91
36) 1,2-Dichloroethane	8.463	62	470426	54.028	ug/l	99
37) Trichloroethene	9.151	130	299395	47.445	ug/l	89
38) Methylcyclohexane	9.392	83	543270	53.744	ug/l	96
39) 1,2-Dichloropropane	9.428	63	332240	50.575	ug/l	95
40) Dibromomethane	9.516	93	232211	52.076	ug/l	98
41) Bromodichloromethane	9.698	83	463603	52.678	ug/l #	97
42) Vinyl Acetate	6.345	43	5004170	298.526	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	618555	56.210	ug/l	98
44) Isopropyl Acetate	8.492	43	955180	61.551	ug/l	98
45) 1,4-Dioxane	9.504	88	178187	1018.469	ug/l	92
46) Methyl methacrylate	9.498	41	400973	58.376	ug/l	92
47) n-amyl Acetate	12.333	43	876784	68.091	ug/l	95
48) t-1,3-Dichloropropene	10.657	75	549905	58.588	ug/l	98
49) cis-1,3-Dichloropropene	10.127	75	566071	55.658	ug/l	95
50) 1,1,2-Trichloroethane	10.839	97	327482	49.419	ug/l	93
51) Ethyl methacrylate	10.704	69	595787	57.083	ug/l	95
52) 1,3-Dichloropropane	10.986	76	582789	51.491	ug/l	99
53) Dibromochloromethane	11.180	129	360794	52.831	ug/l	99
54) 1,2-Dibromoethane	11.286	107	350492	51.401	ug/l	98
55) 2-Chloroethyl vinyl ether	9.980	63	1417655	301.319	ug/l	98
56) Bromoform	12.398	173	275572	51.709	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	3150113	290.165	ug/l	98
59) 2-Hexanone	11.027	43	2472672	294.804	ug/l	99
61) Tetrachloroethene	10.916	164	247770	41.929	ug/l	97
62) Toluene	10.445	91	1460198	51.763	ug/l	99
64) Chlorobenzene	11.710	112	862662	51.084	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.780	131	323279	51.073	ug/l	98
66) Ethyl Benzene	11.786	91	1645512	53.775	ug/l	98
67) m/p-Xylenes	11.892	106	1248041	106.854	ug/l	98
68) o-Xylene	12.221	106	631972	54.212	ug/l	99
69) Styrene	12.233	104	1054079	55.279	ug/l	98
70) Isopropylbenzene	12.521	105	1656308	55.505	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.774	83	574177	55.053	ug/l	99
72) 1,2,3-Trichloropropane	12.821	75	462752m	50.621	ug/l	
73) Bromobenzene	12.804	156	360281	50.120	ug/l	85
74) n-propylbenzene	12.863	91	1969301	56.866	ug/l	99
75) 2-Chlorotoluene	12.951	91	1169312	56.496	ug/l	97
76) 1,3,5-Trimethylbenzene	13.004	105	1421288	57.181	ug/l	97
77) t-1,4-Dichloro-2-butene	12.568	75	216244	64.425	ug/l	95
78) 4-Chlorotoluene	13.045	91	1173858	58.808	ug/l	95
79) tert-butylbenzene	13.268	119	1259974	57.799	ug/l	98
80) 1,2,4-Trimethylbenzene	13.310	105	1441263m	58.206	ug/l	
81) sec-Butylbenzene	13.445	105	1798570	58.269	ug/l	100
82) p-Isopropyltoluene	13.557	119	1478825	58.264	ug/l	99
83) 1,3-Dichlorobenzene	13.557	146	704848	53.396	ug/l	100
84) 1,4-Dichlorobenzene	13.639	146	703409	55.100	ug/l	99
85) n-Butylbenzene	13.886	91	1290052	61.226	ug/l	98
86) Hexachloroethane	14.151	117	277616	58.387	ug/l	96
87) 1,2-Dichlorobenzene	13.933	146	714536	53.546	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.545	75	142750	60.580	ug/l	97
89) 1,2,4-Trichlorobenzene	15.198	180	357726	48.321	ug/l	100
90) Hexachlorobutadiene	15.309	225	157828	43.517	ug/l	98
91) Naphthalene	15.439	128	1490681	59.027	ug/l	99
92) 1,2,3-Trichlorobenzene	15.633	180	370444	49.382	ug/l	99

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

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