

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074356.D
 Acq On : 08 Sep 2022 14:00
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 08 14:18:00 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	7.586	128	88272	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	481856	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	470311	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	237616	29.565	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.567%		
60) 4-Bromofluorobenzene	12.674	95	287837	33.647	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	112.167%#		
63) Toluene-d8	10.380	98	776485	29.466	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.233%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	813871	132.894	ug/l	97
3) Chloromethane	2.263	50	1026491	126.130	ug/l	97
4) Vinyl Chloride	2.404	62	1169607	120.475	ug/l	98
5) Bromomethane	2.775	94	636894	123.263	ug/l	97
6) Chloroethane	2.928	64	792034	120.486	ug/l	94
7) Trichlorofluoromethane	3.293	101	1372949	138.701	ug/l	98
8) Diethyl Ether	3.757	74	567270	139.248	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.128	101	813322	137.642	ug/l	75
10) 1,1-Dichloroethene	4.098	96	798804	139.500	ug/l	97
11) Methyl Iodide	4.340	142	1095016	161.938	ug/l	97
12) Methyl Acetate	4.769	43	1595969	157.569	ug/l	96
13) Acrolein	3.975	56	1227719	736.488	ug/l	98
14) Acrylonitrile	5.469	53	3410723	759.928	ug/l	97
15) Acetone	4.216	58	869557	699.521	ug/l	97
16) Carbon Disulfide	4.445	76	2302116	146.358	ug/l	99
17) Allyl chloride	4.751	41	1674304	165.956	ug/l	90
18) Methylene Chloride	5.004	84	971815	135.580	ug/l	93
19) trans-1,2-Dichloroethene	5.504	96	893874	142.348	ug/l	92
20) Diisopropyl ether	6.410	45	3516938	162.339	ug/l	93
21) 1,1-Dichloroethane	6.298	63	1782846	143.846	ug/l	98
22) cis-1,2-Dichloroethene	7.245	96	1070869	139.306	ug/l	97
23) tert-Butyl Alcohol	5.287	59	1451446	854.458	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	3307297	157.872	ug/l	97
25) Chloroform	7.745	83	1869279	147.151	ug/l	99
26) Cyclohexane	8.016	56	1639146	149.541	ug/l #	96
29) 1,1-Dichloropropene	8.151	75	1377867	150.297	ug/l	96
30) 2-Butanone	7.257	43	4824305	756.110	ug/l	96
31) 2,2-Dichloropropane	7.245	77	1608366	160.906	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	1700105	159.099	ug/l	99
33) Carbon Tetrachloride	8.133	117	1469659	159.962	ug/l	99
34) Benzene	8.386	78	4195297	143.388	ug/l	99
35) Methacrylonitrile	7.563	41	757950	147.901	ug/l	95
36) 1,2-Dichloroethane	8.463	62	1464036	148.912	ug/l	99
37) Trichloroethene	9.151	130	995604	139.727	ug/l	93
38) Methylcyclohexane	9.392	83	1726566	151.269	ug/l	95
39) 1,2-Dichloropropane	9.427	63	1054795	142.202	ug/l	97
40) Dibromomethane	9.510	93	763858	151.712	ug/l	98
41) Bromodichloromethane	9.698	83	1522189	153.179	ug/l	97
42) Vinyl Acetate	6.345	43	16066296	848.819	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.333	43	1940135	156.142	ug/l	96
44) Isopropyl Acetate	8.492	43	3003696	171.419	ug/l	99
45) 1,4-Dioxane	9.504	88	588807	2980.533	ug/l	96
46) Methyl methacrylate	9.498	41	1301300	167.782	ug/l	92
47) n-amyl Acetate	12.333	43	2899554	199.423	ug/l	96
48) t-1,3-Dichloropropene	10.663	75	1832620	172.920	ug/l	100
49) cis-1,3-Dichloropropene	10.127	75	1845560	160.707	ug/l	94
50) 1,1,2-Trichloroethane	10.839	97	1084541	144.945	ug/l	97
51) Ethyl methacrylate	10.704	69	1977537	167.799	ug/l	94
52) 1,3-Dichloropropane	10.986	76	1883672	147.392	ug/l	100
53) Dibromochloromethane	11.180	129	1263690	163.876	ug/l	99
54) 1,2-Dibromoethane	11.286	107	1178562	153.072	ug/l	96
55) 2-Chloroethyl vinyl ether	9.980	63	4693237	883.440	ug/l	98
56) Bromoform	12.398	173	1003352	166.739	ug/l #	100
58) 4-Methyl-2-Pentanone	10.274	43	10188203	802.783	ug/l	98
59) 2-Hexanone	11.027	43	7946308	810.427	ug/l	99
61) Tetrachloroethene	10.916	164	841950	121.882	ug/l	94
62) Toluene	10.445	91	4795929	145.433	ug/l	97
64) Chlorobenzene	11.710	112	2940117	148.933	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.780	131	1111584	150.224	ug/l	99
66) Ethyl Benzene	11.786	91	5462796	152.713	ug/l	97
67) m/p-Xylenes	11.892	106	4267259	312.532	ug/l	100
68) o-Xylene	12.221	106	2150241	157.784	ug/l	100
69) Styrene	12.239	104	3688824	165.485	ug/l	98
70) Isopropylbenzene	12.521	105	5691845	163.165	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.774	83	1895466	155.466	ug/l	97
72) 1,2,3-Trichloropropane	12.821	75	1516784m	141.936	ug/l	
73) Bromobenzene	12.804	156	1235210	146.993	ug/l	89
74) n-propylbenzene	12.863	91	6673881	164.856	ug/l	99
75) 2-Chlorotoluene	12.951	91	3893187	160.906	ug/l	98
76) 1,3,5-Trimethylbenzene	13.004	105	4777505	164.420	ug/l	97
77) t-1,4-Dichloro-2-butene	12.568	75	719198	183.290	ug/l	91
78) 4-Chlorotoluene	13.051	91	3889673	166.694	ug/l	98
79) tert-butylbenzene	13.268	119	4252546	166.874	ug/l	97
80) 1,2,4-Trimethylbenzene	13.310	105	4788511m	165.427	ug/l	
81) sec-Butylbenzene	13.445	105	6062936	168.026	ug/l	100
82) p-Isopropyltoluene	13.557	119	5104511	172.036	ug/l	99
83) 1,3-Dichlorobenzene	13.557	146	2450798	158.819	ug/l	99
84) 1,4-Dichlorobenzene	13.639	146	2450935	164.233	ug/l	98
85) n-Butylbenzene	13.886	91	4577337	185.835	ug/l	97
86) Hexachloroethane	14.157	117	970637	174.627	ug/l	98
87) 1,2-Dichlorobenzene	13.933	146	2494873	159.930	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.545	75	486099	176.465	ug/l	94
89) 1,2,4-Trichlorobenzene	15.204	180	1427484	164.944	ug/l	98
90) Hexachlorobutadiene	15.304	225	578788	136.514	ug/l	98
91) Naphthalene	15.439	128	5395426	182.756	ug/l	99
92) 1,2,3-Trichlorobenzene	15.633	180	1410728	160.868	ug/l	100

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

