

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041822\
 Data File : VN072036.D
 Acq On : 18 Apr 2022 16:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/19/2022
 Supervised By : Mahesh Dadoda 04/19/2022

Quant Time: Apr 19 01:19:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	77587	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	426750	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	446206	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.428	65	156071	28.551	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.167%		
60) 4-Bromofluorobenzene	12.727	95	182824	27.633	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.100%		
63) Toluene-d8	10.433	98	565855	27.936	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	93.133%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	98726	20.443	ug/l	100
3) Chloromethane	2.293	50	108045	18.983	ug/l	95
4) Vinyl Chloride	2.440	62	107429	16.458	ug/l	99
5) Bromomethane	2.804	94	31005	8.061	ug/l	97
6) Chloroethane	2.940	64	71898	17.201	ug/l	96
7) Trichlorofluoromethane	3.328	101	143930m	18.913	ug/l	
8) Diethyl Ether	3.816	74	60588	18.947	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.187	101	89205	19.572	ug/l #	64
10) 1,1-Dichloroethene	4.157	96	83363	18.546	ug/l	96
11) Methyl Iodide	4.404	142	118640	18.012	ug/l	87
12) Methyl Acetate	4.845	43	120835	19.075	ug/l	92
13) Acrolein	4.034	56	45990	68.241	ug/l	98
14) Acrylonitrile	5.540	53	278679	97.133	ug/l	97
15) Acetone	4.281	58	68156	82.547	ug/l	78
16) Carbon Disulfide	4.510	76	208147	17.785	ug/l	96
17) Allyl chloride	4.822	41	123703	16.967	ug/l	79
18) Methylene Chloride	5.075	84	112529	20.868	ug/l #	92
19) trans-1,2-Dichloroethene	5.581	96	92304	19.199	ug/l	97
20) Diisopropyl ether	6.487	45	280400	18.381	ug/l	91
21) 1,1-Dichloroethane	6.375	63	173149	18.800	ug/l	97
22) cis-1,2-Dichloroethene	7.316	96	113320	19.401	ug/l	92
23) tert-Butyl Alcohol	5.398	59	61083m	59.665	ug/l	
24) Methyl tert-Butyl Ether	5.604	73	295643	18.224	ug/l #	87
25) Chloroform	7.810	83	178237	19.242	ug/l	99
26) Cyclohexane	8.086	56	145553	18.284	ug/l #	95
29) 1,1-Dichloropropene	8.216	75	127082	18.398	ug/l	99
30) 2-Butanone	7.328	43	337795	87.855	ug/l	95
31) 2,2-Dichloropropane	7.316	77	137820	17.515	ug/l	97
32) 1,1,1-Trichloroethane	8.004	97	149460	18.578	ug/l	99
33) Carbon Tetrachloride	8.198	117	125796	18.472	ug/l	98
34) Benzene	8.451	78	424600	19.785	ug/l	96
35) Methacrylonitrile	7.628	41	65187	17.671	ug/l	93
36) 1,2-Dichloroethane	8.522	62	135285	18.070	ug/l #	94
37) Trichloroethene	9.210	130	107646	19.440	ug/l	100
38) Methylcyclohexane	9.451	83	156543	17.980	ug/l	97
39) 1,2-Dichloropropane	9.486	63	104884	19.534	ug/l	100
40) Dibromomethane	9.569	93	71989	19.808	ug/l	85
41) Bromodichloromethane	9.757	83	136398	18.755	ug/l	96
42) Vinyl Acetate	6.422	43	1153705	87.572	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	135677	18.198	ug/l	97
44) Isopropyl Acetate	8.557	43	213580	17.861	ug/l	90
45) 1,4-Dioxane	9.563	88	24447	202.631	ug/l	91
46) Methyl methacrylate	9.551	41	94606	18.041	ug/l	77
47) n-amyl Acetate	12.386	43	135393	16.967	ug/l #	88
48) t-1,3-Dichloropropene	10.716	75	153208	19.382	ug/l	98
49) cis-1,3-Dichloropropene	10.180	75	163485	18.913	ug/l #	83
50) 1,1,2-Trichloroethane	10.892	97	118511	21.813	ug/l	99
51) Ethyl methacrylate	10.757	69	175810	20.958	ug/l	78
52) 1,3-Dichloropropane	11.039	76	194075	20.917	ug/l	99
53) Dibromochloromethane	11.233	129	118640	21.095	ug/l	98
54) 1,2-Dibromoethane	11.339	107	118723	21.243	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	262226	116.020	ug/l	97
56) Bromoform	12.457	173	83490	19.254	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	730313	86.220	ug/l #	89
59) 2-Hexanone	11.080	43	483175	78.130	ug/l #	87
61) Tetrachloroethene	10.974	164	100153	18.442	ug/l	90
62) Toluene	10.498	91	508010	18.776	ug/l	98
64) Chlorobenzene	11.763	112	322342	19.315	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	112507	18.376	ug/l	98
66) Ethyl Benzene	11.839	91	548743	18.663	ug/l	94
67) m/p-Xylenes	11.951	106	441150	38.568	ug/l	95
68) o-Xylene	12.274	106	214369	18.856	ug/l	94
69) Styrene	12.286	104	326373	18.241	ug/l	97
70) Isopropylbenzene	12.574	105	536371	18.797	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	157384	16.947	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	119187m	14.939	ug/l	
73) Bromobenzene	12.857	156	123740	17.776	ug/l	91
74) n-propylbenzene	12.916	91	563833	18.105	ug/l	97
75) 2-Chlorotoluene	13.004	91	351952	18.084	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	443761	19.385	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	41276	14.734	ug/l	87
78) 4-Chlorotoluene	13.098	91	318568	17.527	ug/l	99
79) tert-butylbenzene	13.321	119	374860	18.146	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	430382	19.376	ug/l #	80
81) sec-Butylbenzene	13.498	105	500198	18.021	ug/l	97
82) p-Isopropyltoluene	13.610	119	415648	18.431	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	197811	17.366	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	186301	17.136	ug/l	97
85) n-Butylbenzene	13.939	91	291071	17.376	ug/l	95
86) Hexachloroethane	14.204	117	67147	15.944	ug/l	79
87) 1,2-Dichlorobenzene	13.986	146	199147	18.084	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	25275	15.296	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.262	180	82605	16.228	ug/l	96
90) Hexachlorobutadiene	15.362	225	55399	18.366	ug/l	98
91) Naphthalene	15.498	128	223445	18.275	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	86079	17.242	ug/l	97

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

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