

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071345.D
 Acq On : 17 Mar 2022 10:26
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Semsettin Yesilyurt 03/21/2022

Quant Time: Mar 17 10:44:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	118023	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	677561	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	596447	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	283433	30.248	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.833%			
60) 4-Bromofluorobenzene	12.727	95	278862	30.263	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.867%			
63) Toluene-d8	10.439	98	851469	31.033	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	159629	20.917	ug/l	97
3) Chloromethane	2.299	50	201810	19.822	ug/l	98
4) Vinyl Chloride	2.440	62	190395	20.363	ug/l	99
5) Bromomethane	2.851	94	110248	23.528	ug/l	95
6) Chloroethane	3.016	64	123510	21.707	ug/l	94
7) Trichlorofluoromethane	3.375	101	243454	20.647	ug/l	93
8) Diethyl Ether	3.822	74	97826	19.101	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.210	101	142385	21.473	ug/l #	69
10) 1,1-Dichloroethene	4.181	96	132901	19.696	ug/l	94
11) Methyl Iodide	4.422	142	175689	18.909	ug/l	91
12) Methyl Acetate	4.851	43	231030	17.890	ug/l	93
13) Acrolein	4.040	56	143019	84.469	ug/l	99
14) Acrylonitrile	5.545	53	483896	89.880	ug/l	98
15) Acetone	4.281	58	170143	120.221	ug/l	97
16) Carbon Disulfide	4.534	76	368971	20.220	ug/l	96
17) Allyl chloride	4.840	41	271502	19.525	ug/l	83
18) Methylene Chloride	5.093	84	163216	19.838	ug/l	91
19) trans-1,2-Dichloroethene	5.592	96	142886	20.148	ug/l	91
20) Diisopropyl ether	6.492	45	557848	19.933	ug/l	95
21) 1,1-Dichloroethane	6.387	63	292486	19.640	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	171906	19.998	ug/l	94
23) tert-Butyl Alcohol	5.351	59	166890	83.805	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	504216	19.579	ug/l	96
25) Chloroform	7.816	83	284293	19.877	ug/l	98
26) Cyclohexane	8.092	56	276449	20.507	ug/l #	90
29) 1,1-Dichloropropene	8.216	75	217322	19.930	ug/l	96
30) 2-Butanone	7.328	43	743843	96.340	ug/l	95
31) 2,2-Dichloropropane	7.322	77	247554	24.218	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	245554	19.311	ug/l	96
33) Carbon Tetrachloride	8.198	117	209529	19.380	ug/l	99
34) Benzene	8.457	78	650123	19.262	ug/l	98
35) Methacrylonitrile	7.628	41	144883	19.367	ug/l	89
36) 1,2-Dichloroethane	8.528	62	231103	19.173	ug/l	96
37) Trichloroethene	9.216	130	158366	19.690	ug/l	98
38) Methylcyclohexane	9.457	83	267643	20.452	ug/l	93
39) 1,2-Dichloropropane	9.486	63	171913	19.215	ug/l	100
40) Dibromomethane	9.575	93	106611	18.836	ug/l	90
41) Bromodichloromethane	9.757	83	221614	19.419	ug/l	93
42) Vinyl Acetate	6.428	43	2403600	95.264	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	270171	17.993	ug/l	99
44) Isopropyl Acetate	8.557	43	444519	18.410	ug/l	97
45) 1,4-Dioxane	9.563	88	71875	334.258	ug/l	90
46) Methyl methacrylate	9.557	41	187453	17.548	ug/l	79
47) n-amyl Acetate	12.380	43	276426	17.258	ug/l	100
48) t-1,3-Dichloropropene	10.716	75	240280	19.331	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	264573	19.686	ug/l	94
50) 1,1,2-Trichloroethane	10.892	97	154496	18.745	ug/l	99
51) Ethyl methacrylate	10.757	69	257463	18.158	ug/l	88
52) 1,3-Dichloropropane	11.039	76	284386	19.159	ug/l	99
53) Dibromochloromethane	11.233	129	161941	18.848	ug/l	100
54) 1,2-Dibromoethane	11.339	107	160747	18.809	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	294599	68.510	ug/l	98
56) Bromoform	12.457	173	114208	17.235	ug/l #	96
58) 4-Methyl-2-Pentanone	10.327	43	1340394	93.589	ug/l	98
59) 2-Hexanone	11.080	43	994395	93.403	ug/l	98
61) Tetrachloroethene	10.974	164	133543	20.524	ug/l	92
62) Toluene	10.498	91	689345	20.214	ug/l	95
64) Chlorobenzene	11.763	112	409797	19.814	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	152961	19.934	ug/l	100
66) Ethyl Benzene	11.839	91	742994	19.771	ug/l	100
67) m/p-Xylenes	11.951	106	567965	40.217	ug/l	99
68) o-Xylene	12.274	106	280321	19.721	ug/l	99
69) Styrene	12.286	104	434582	19.404	ug/l	98
70) Isopropylbenzene	12.574	105	721720	20.074	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	240346	19.269	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	221673m	19.554	ug/l	
73) Bromobenzene	12.857	156	167297	19.873	ug/l	94
74) n-propylbenzene	12.916	91	789866	19.933	ug/l	99
75) 2-Chlorotoluene	13.004	91	491908	19.804	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	573709	20.103	ug/l	98
77) t-1,4-Dichloro-2-butene	12.621	75	72391	19.285	ug/l	98
78) 4-Chlorotoluene	13.098	91	461120	20.035	ug/l	97
79) tert-butylbenzene	13.321	119	517856	19.870	ug/l	95
80) 1,2,4-Trimethylbenzene	13.363	105	553716	20.001	ug/l #	81
81) sec-Butylbenzene	13.498	105	686868	19.799	ug/l	100
82) p-Isopropyltoluene	13.610	119	554408	19.870	ug/l	99
83) 1,3-Dichlorobenzene	13.610	146	276203	20.097	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	261969	20.022	ug/l	99
85) n-Butylbenzene	13.939	91	417453	20.094	ug/l	97
86) Hexachloroethane	14.204	117	101106	19.027	ug/l	85
87) 1,2-Dichlorobenzene	13.986	146	273105	20.486	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	42681	17.818	ug/l	92
89) 1,2,4-Trichlorobenzene	15.257	180	116871	18.932	ug/l	98
90) Hexachlorobutadiene	15.362	225	78831	22.601	ug/l	99
91) Naphthalene	15.504	128	318914	16.505	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	116675	18.429	ug/l	99

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

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