

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071514.D
 Acq On : 24 Mar 2022 11:17
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 11:44:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 11:41:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	106079	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	580541	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	539474	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	218423	26.490	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	88.300%#		
60) 4-Bromofluorobenzene	12.727	95	247590	29.917	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.733%		
63) Toluene-d8	10.439	98	717728	28.914	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.367%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	687303	100.582	ug/l	100
3) Chloromethane	2.299	50	781611	88.262	ug/l	96
4) Vinyl Chloride	2.440	62	909975	107.551	ug/l	98
5) Bromomethane	2.828	94	562920	126.124	ug/l	99
6) Chloroethane	2.999	64	584557	112.610	ug/l	97
7) Trichlorofluoromethane	3.363	101	1055777	100.175	ug/l	98
8) Diethyl Ether	3.822	74	448468	98.029	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	632789m	104.882	ug/l	
10) 1,1-Dichloroethene	4.181	96	636404	104.679	ug/l	98
11) Methyl Iodide	4.422	142	964326	113.428	ug/l	90
12) Methyl Acetate	4.845	43	870713	78.909	ug/l	100
13) Acrolein	4.034	56	468330	336.280	ug/l	98
14) Acrylonitrile	5.545	53	2054562	441.537	ug/l	97
15) Acetone	4.275	58	557795	444.093	ug/l	92
16) Carbon Disulfide	4.528	76	1675422	102.494	ug/l	98
17) Allyl chloride	4.834	41	1036402	86.560	ug/l	84
18) Methylene Chloride	5.093	84	740999	100.362	ug/l	97
19) trans-1,2-Dichloroethene	5.592	96	674765	105.257	ug/l	94
20) Diisopropyl ether	6.492	45	2151536	87.856	ug/l	93
21) 1,1-Dichloroethane	6.381	63	1281278	97.256	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	821420	105.532	ug/l	98
23) tert-Butyl Alcohol	5.363	59	757972	443.390	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	2285832	99.412	ug/l	92
25) Chloroform	7.816	83	1287218	100.584	ug/l	99
26) Cyclohexane	8.092	56	1132265	95.336	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	994518	106.568	ug/l	98
30) 2-Butanone	7.328	43	2702346	426.272	ug/l	98
31) 2,2-Dichloropropane	7.322	77	1120879	123.345	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	1134915	104.539	ug/l	98
33) Carbon Tetrachloride	8.204	117	967958	104.761	ug/l	99
34) Benzene	8.457	78	2984377	103.206	ug/l	96
35) Methacrylonitrile	7.634	41	516893	84.044	ug/l	96
36) 1,2-Dichloroethane	8.522	62	1022960	99.656	ug/l #	95
37) Trichloroethene	9.210	130	787515	112.371	ug/l	99
38) Methylcyclohexane	9.457	83	1268468	111.813	ug/l	97
39) 1,2-Dichloropropane	9.486	63	750295	99.078	ug/l	99
40) Dibromomethane	9.575	93	508344	104.653	ug/l	88
41) Bromodichloromethane	9.757	83	1032998	105.783	ug/l	97
42) Vinyl Acetate	6.428	43	9541190	458.686	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	1069642	86.694	ug/l	96
44) Isopropyl Acetate	8.557	43	1659603	84.026	ug/l	94
45) 1,4-Dioxane	9.563	88	342553	1900.342	ug/l	94
46) Methyl methacrylate	9.557	41	822691	93.871	ug/l	85
47) n-amyl Acetate	12.380	43	1249019	95.481	ug/l	95
48) t-1,3-Dichloropropene	10.716	75	1170189	110.206	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	1263805	109.615	ug/l #	87
50) 1,1,2-Trichloroethane	10.892	97	754264	105.746	ug/l	100
51) Ethyl methacrylate	10.757	69	1257831	105.223	ug/l	85
52) 1,3-Dichloropropane	11.039	76	1290212	101.561	ug/l	100
53) Dibromochloromethane	11.233	129	814083	110.161	ug/l	99
54) 1,2-Dibromoethane	11.339	107	793288	107.725	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	1803914	497.836	ug/l	98
56) Bromoform	12.451	173	646306	112.990	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	5363611	434.335	ug/l	92
59) 2-Hexanone	11.080	43	3948577	430.525	ug/l	91
61) Tetrachloroethene	10.974	164	665643	110.117	ug/l	93
62) Toluene	10.504	91	3348067	107.502	ug/l	97
64) Chlorobenzene	11.763	112	2096275	110.747	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.833	131	770951	109.803	ug/l	99
66) Ethyl Benzene	11.839	91	3787765	110.945	ug/l	96
67) m/p-Xylenes	11.945	106	2927155	225.469	ug/l	97
68) o-Xylene	12.274	106	1457342	112.375	ug/l	97
69) Styrene	12.286	104	2380827	116.462	ug/l	97
70) Isopropylbenzene	12.574	105	3688257	112.209	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	1151844	102.276	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	1036366m	100.156	ug/l	
73) Bromobenzene	12.857	156	895902	115.797	ug/l	96
74) n-propylbenzene	12.916	91	4151072	115.120	ug/l	97
75) 2-Chlorotoluene	13.004	91	2503412	110.557	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	2968182	113.427	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	386654	115.014	ug/l	93
78) 4-Chlorotoluene	13.098	91	2414581	114.879	ug/l	98
79) tert-butylbenzene	13.321	119	2705072	113.641	ug/l	93
80) 1,2,4-Trimethylbenzene	13.363	105	2934134m	116.366	ug/l	
81) sec-Butylbenzene	13.498	105	3707614	116.636	ug/l	97
82) p-Isopropyltoluene	13.610	119	3085413	120.920	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	1524874	121.057	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	1465503	121.837	ug/l	98
85) n-Butylbenzene	13.939	91	2416012	127.381	ug/l	95
86) Hexachloroethane	14.204	117	560504	114.990	ug/l	79
87) 1,2-Dichlorobenzene	13.980	146	1437062	117.195	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	220839	104.305	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.257	180	749019	132.877	ug/l	97
90) Hexachlorobutadiene	15.362	225	384672	118.841	ug/l	99
91) Naphthalene	15.498	128	2239674	130.030	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	740322	129.100	ug/l	98

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

