

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071339.D
 Acq On : 17 Mar 2022 00:51
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Mar 17 06:09:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:07:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Semsettin Yesilyurt 03/21/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	116511	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	672310	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	619542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	282861	27.963	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.200%		
60) 4-Bromofluorobenzene	12.727	95	290032	28.757	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.867%		
63) Toluene-d8	10.439	98	861900	30.220	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.733%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	377405	45.599	ug/l	98
3) Chloromethane	2.299	50	492550	50.295	ug/l	97
4) Vinyl Chloride	2.440	62	454028	49.258	ug/l	99
5) Bromomethane	2.828	94	238843	47.558	ug/l	96
6) Chloroethane	3.004	64	278779	52.009	ug/l	96
7) Trichlorofluoromethane	3.363	101	566064	47.653	ug/l	96
8) Diethyl Ether	3.822	74	247033	51.422	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	320736	46.334	ug/l #	68
10) 1,1-Dichloroethene	4.181	96	324355	48.559	ug/l	88
11) Methyl Iodide	4.422	142	461730	49.782	ug/l	92
12) Methyl Acetate	4.851	43	596661	37.603	ug/l	91
13) Acrolein	4.040	56	407138	286.411	ug/l	99
14) Acrylonitrile	5.545	53	1290394	263.127	ug/l	99
15) Acetone	4.281	58	338985	208.773	ug/l	97
16) Carbon Disulfide	4.528	76	883608	45.074	ug/l	98
17) Allyl chloride	4.840	41	674270	45.388	ug/l	84
18) Methylene Chloride	5.093	84	389843	48.157	ug/l	90
19) trans-1,2-Dichloroethene	5.598	96	345016	48.808	ug/l	89
20) Diisopropyl ether	6.492	45	1364260	47.808	ug/l	91
21) 1,1-Dichloroethane	6.387	63	716949	47.202	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	408925	48.406	ug/l	96
23) tert-Butyl Alcohol	5.363	59	476058	293.269	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	1240435	51.280	ug/l	96
25) Chloroform	7.816	83	678382	45.316	ug/l	96
26) Cyclohexane	8.092	56	656250	47.113	ug/l #	91
29) 1,1-Dichloropropene	8.216	75	519273	45.245	ug/l	96
30) 2-Butanone	7.328	43	1831721	230.634	ug/l	94
31) 2,2-Dichloropropane	7.322	77	478864	40.206	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	596227	44.438	ug/l	96
33) Carbon Tetrachloride	8.204	117	519568	44.073	ug/l	99
34) Benzene	8.457	78	1590871	46.268	ug/l	99
35) Methacrylonitrile	7.628	41	376604	49.782	ug/l	89
36) 1,2-Dichloroethane	8.528	62	564823	42.363	ug/l	97
37) Trichloroethene	9.210	130	382718	46.895	ug/l	96
38) Methylcyclohexane	9.457	83	640018	46.734	ug/l	92
39) 1,2-Dichloropropane	9.486	63	421636	45.969	ug/l	100
40) Dibromomethane	9.575	93	266807	44.632	ug/l	90
41) Bromodichloromethane	9.757	83	541927	43.208	ug/l	95
42) Vinyl Acetate	6.428	43	6060330	251.698	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	728444	50.863	ug/l	97
44) Isopropyl Acetate	8.557	43	1103068	48.167	ug/l	99
45) 1,4-Dioxane	9.563	88	205769	1204.483	ug/l	90
46) Methyl methacrylate	9.557	41	500616	47.338	ug/l	82
47) n-amyl Acetate	12.380	43	787725	49.198	ug/l	99
48) t-1,3-Dichloropropene	10.716	75	598849	46.508	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	646885	46.357	ug/l	94
50) 1,1,2-Trichloroethane	10.892	97	390109	47.395	ug/l	97
51) Ethyl methacrylate	10.757	69	685925	50.816	ug/l	89
52) 1,3-Dichloropropane	11.039	76	707463	48.322	ug/l	99
53) Dibromochloromethane	11.233	129	410883	44.951	ug/l	100
54) 1,2-Dibromoethane	11.345	107	404976	47.884	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	1046512	361.452	ug/l	98
56) Bromoform	12.457	173	317172	45.513	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	3605200	247.860	ug/l	97
59) 2-Hexanone	11.080	43	2682002	249.942	ug/l	98
61) Tetrachloroethene	10.974	164	326514	45.826	ug/l	89
62) Toluene	10.504	91	1711171	46.870	ug/l	97
64) Chlorobenzene	11.769	112	1033088	47.528	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	381704	46.682	ug/l	99
66) Ethyl Benzene	11.839	91	1892634	46.850	ug/l	97
67) m/p-Xylenes	11.951	106	1424390	96.104	ug/l	100
68) o-Xylene	12.274	106	706514	47.834	ug/l	99
69) Styrene	12.292	104	1144986	48.036	ug/l	98
70) Isopropylbenzene	12.574	105	1836447	47.769	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	633297	49.480	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	584937m	50.948	ug/l	
73) Bromobenzene	12.857	156	418079	46.876	ug/l	92
74) n-propylbenzene	12.916	91	2022339	45.898	ug/l	100
75) 2-Chlorotoluene	13.004	91	1257548	46.363	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	1457113	46.418	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	196727	52.006	ug/l	98
78) 4-Chlorotoluene	13.104	91	1176684	45.702	ug/l	96
79) tert-butylbenzene	13.321	119	1327620	48.116	ug/l	96
80) 1,2,4-Trimethylbenzene	13.363	105	1418081m	46.602	ug/l	
81) sec-Butylbenzene	13.498	105	1791302	47.166	ug/l	99
82) p-Isopropyltoluene	13.610	119	1448621	47.855	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	705402	47.076	ug/l	100
84) 1,4-Dichlorobenzene	13.692	146	673817	46.848	ug/l	98
85) n-Butylbenzene	13.939	91	1104635	44.583	ug/l	97
86) Hexachloroethane	14.210	117	273293	45.523	ug/l	86
87) 1,2-Dichlorobenzene	13.986	146	684618	47.324	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	122074	49.362	ug/l	94
89) 1,2,4-Trichlorobenzene	15.262	180	323772	48.223	ug/l	97
90) Hexachlorobutadiene	15.362	225	182829	46.571	ug/l	99
91) Naphthalene	15.504	128	1052535	57.868	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	327675	50.978	ug/l	98

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

