

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071347.D
 Acq On : 17 Mar 2022 12:57
 Operator : JC\MD
 Sample : VN0317WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/30/2022
 Supervised By :Semsettin Yesilyurt 03/30/2022

Quant Time: Mar 17 13:15:07 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	7.657	128	112639	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	637676	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	573965	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	267964	29.964	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.727	95	265647	29.958	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.867%		
63) Toluene-d8	10.439	98	806032	30.528	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.767%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	154889	21.266	ug/l	96
3) Chloromethane	2.299	50	196017	20.173	ug/l	97
4) Vinyl Chloride	2.440	62	180779	20.259	ug/l	98
5) Bromomethane	2.846	94	104954	23.469	ug/l	96
6) Chloroethane	3.010	64	120152	22.126	ug/l	95
7) Trichlorofluoromethane	3.369	101	235163	20.897	ug/l	99
8) Diethyl Ether	3.822	74	97268	19.899	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.216	101	133999	21.175	ug/l #	69
10) 1,1-Dichloroethene	4.181	96	127514	19.801	ug/l	86
11) Methyl Iodide	4.422	142	176568	19.911	ug/l	96
12) Methyl Acetate	4.851	43	235157	19.080	ug/l	93
13) Acrolein	4.040	56	164005	101.493	ug/l	98
14) Acrylonitrile	5.551	53	482092	93.825	ug/l	99
15) Acetone	4.281	58	159464	118.061	ug/l	96
16) Carbon Disulfide	4.528	76	353469	20.297	ug/l	97
17) Allyl chloride	4.840	41	270300	20.367	ug/l	80
18) Methylene Chloride	5.087	84	160286	20.413	ug/l	92
19) trans-1,2-Dichloroethene	5.593	96	137736	20.350	ug/l	93
20) Diisopropyl ether	6.492	45	544997	20.404	ug/l	91
21) 1,1-Dichloroethane	6.381	63	290043	20.407	ug/l	100
22) cis-1,2-Dichloroethene	7.322	96	164656	20.070	ug/l	93
23) tert-Butyl Alcohol	5.363	59	171854	90.422	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	485759	19.764	ug/l	96
25) Chloroform	7.816	83	274271	20.093	ug/l	100
26) Cyclohexane	8.092	56	264056	20.524	ug/l #	92
29) 1,1-Dichloropropene	8.222	75	212224	20.680	ug/l	95
30) 2-Butanone	7.328	43	729084	100.335	ug/l	94
31) 2,2-Dichloropropane	7.322	77	237658	24.704	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	240098	20.063	ug/l	97
33) Carbon Tetrachloride	8.204	117	201836	19.836	ug/l	100
34) Benzene	8.457	78	636469	20.037	ug/l	97
35) Methacrylonitrile	7.628	41	129333	18.370	ug/l	94
36) 1,2-Dichloroethane	8.528	62	230120	20.286	ug/l	98
37) Trichloroethene	9.210	130	153101	20.226	ug/l	100
38) Methylcyclohexane	9.457	83	260719	21.169	ug/l	92
39) 1,2-Dichloropropane	9.486	63	167060	19.840	ug/l	97
40) Dibromomethane	9.575	93	106738	20.038	ug/l	94
41) Bromodichloromethane	9.757	83	218024	20.300	ug/l	95
42) Vinyl Acetate	6.428	43	2361577	99.453	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	264878m	18.744	ug/l	
44) Isopropyl Acetate	8.557	43	431565	18.992	ug/l	98
45) 1,4-Dioxane	9.563	88	73532	363.353	ug/l	91
46) Methyl methacrylate	9.557	41	190531	18.952	ug/l	83
47) n-amyl Acetate	12.386	43	276602	18.349	ug/l	97
48) t-1,3-Dichloropropene	10.716	75	234185	20.019	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	260277	20.578	ug/l	91
50) 1,1,2-Trichloroethane	10.892	97	153682	19.812	ug/l	97
51) Ethyl methacrylate	10.757	69	254957	19.106	ug/l	89
52) 1,3-Dichloropropane	11.039	76	273904	19.607	ug/l	100
53) Dibromochloromethane	11.233	129	160527	19.852	ug/l	98
54) 1,2-Dibromoethane	11.339	107	154545	19.215	ug/l	94
55) 2-Chloroethyl vinyl ether	10.039	63	324649	80.220	ug/l	98
56) Bromoform	12.457	173	115711	18.554	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	1342554	97.411	ug/l	98
59) 2-Hexanone	11.080	43	994792	97.101	ug/l	98
61) Tetrachloroethene	10.975	164	130186	20.792	ug/l	96
62) Toluene	10.504	91	675654	20.589	ug/l	96
64) Chlorobenzene	11.769	112	399855	20.090	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	151630	20.535	ug/l	100
66) Ethyl Benzene	11.839	91	733182	20.274	ug/l	98
67) m/p-Xylenes	11.951	106	554973	40.837	ug/l	99
68) o-Xylene	12.274	106	276334	20.202	ug/l	100
69) Styrene	12.292	104	429072	19.908	ug/l	98
70) Isopropylbenzene	12.574	105	710983	20.550	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	239504	19.954	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	223438m	20.482	ug/l	
73) Bromobenzene	12.857	156	158096	19.516	ug/l	91
74) n-propylbenzene	12.916	91	777189	20.381	ug/l	99
75) 2-Chlorotoluene	13.004	91	485623	20.317	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	571263	20.802	ug/l	97
77) t-1,4-Dichloro-2-butene	12.621	75	74381	20.591	ug/l	99
78) 4-Chlorotoluene	13.104	91	453035	20.454	ug/l	96
79) tert-butylbenzene	13.321	119	507495	20.236	ug/l	97
80) 1,2,4-Trimethylbenzene	13.363	105	553458m	20.774	ug/l	
81) sec-Butylbenzene	13.498	105	675024	20.220	ug/l	99
82) p-Isopropyltoluene	13.610	119	549391	20.461	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	274415	20.749	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	251115	19.944	ug/l	98
85) n-Butylbenzene	13.939	91	410876	20.552	ug/l	98
86) Hexachloroethane	14.204	117	101165	19.784	ug/l	87
87) 1,2-Dichlorobenzene	13.986	146	269270	20.990	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	44985	19.516	ug/l	98
89) 1,2,4-Trichlorobenzene	15.257	180	117244	19.736	ug/l	96
90) Hexachlorobutadiene	15.368	225	76892	22.908	ug/l	99
91) Naphthalene	15.504	128	322185	17.328	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	117700	19.319	ug/l	98

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

