

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072698.D
 Acq On : 08 Jun 2022 12:04
 Operator : JC\MD
 Sample : VN0608WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 03:22:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	33857	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	192324	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	176432	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	120666	31.250	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 104.167%		
60) 4-Bromofluorobenzene	12.727	95	99637	27.457	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 91.533%		
63) Toluene-d8	10.439	98	293816	30.062	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 100.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	43924	17.318	ug/l	97
3) Chloromethane	2.299	50	53226	19.299	ug/l	99
4) Vinyl Chloride	2.434	62	44421	17.862	ug/l	97
5) Bromomethane	2.846	94	27090	21.065	ug/l	82
6) Chloroethane	3.010	64	34116	20.575	ug/l	93
7) Trichlorofluoromethane	3.363	101	81103	18.040	ug/l	98
8) Diethyl Ether	3.828	74	36006	20.657	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.198	101	43504	18.369	ug/l	75
10) 1,1-Dichloroethene	4.175	96	39481	17.650	ug/l	92
11) Methyl Iodide	4.416	142	41862	18.692	ug/l	97
12) Methyl Acetate	4.851	43	100175	21.705	ug/l #	90
13) Acrolein	4.040	56	39107	96.800	ug/l	99
14) Acrylonitrile	5.545	53	204245	108.568	ug/l	98
15) Acetone	4.281	58	53809	105.640	ug/l	99
16) Carbon Disulfide	4.528	76	91539	16.233	ug/l	98
17) Allyl chloride	4.834	41	93103	19.266	ug/l	93
18) Methylene Chloride	5.087	84	59462	21.170	ug/l	91
19) trans-1,2-Dichloroethene	5.592	96	44040	18.193	ug/l	94
20) Diisopropyl ether	6.486	45	205609	21.484	ug/l	95
21) 1,1-Dichloroethane	6.381	63	106650	20.058	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	62124	20.488	ug/l	91
23) tert-Butyl Alcohol	5.357	59	93028	106.262	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	211493	21.259	ug/l	97
25) Chloroform	7.816	83	111774	20.464	ug/l	95
26) Cyclohexane	8.092	56	80151	18.080	ug/l #	91
29) 1,1-Dichloropropene	8.216	75	69284	18.898	ug/l	95
30) 2-Butanone	7.328	43	301378	113.590	ug/l	94
31) 2,2-Dichloropropane	7.316	77	87040	17.540	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	92840	19.354	ug/l	96
33) Carbon Tetrachloride	8.204	117	75614	18.279	ug/l	98
34) Benzene	8.457	78	223923	20.645	ug/l	97
35) Methacrylonitrile	7.628	41	53416	20.532	ug/l	86
36) 1,2-Dichloroethane	8.528	62	98777	21.556	ug/l	100
37) Trichloroethene	9.216	130	51656	19.756	ug/l	97
38) Methylcyclohexane	9.457	83	78356	17.903	ug/l	90
39) 1,2-Dichloropropane	9.486	63	64200	21.546	ug/l	100
40) Dibromomethane	9.575	93	44682	21.844	ug/l	95
41) Bromodichloromethane	9.757	83	93424	21.351	ug/l #	93
42) Vinyl Acetate	6.428	43	959586	111.093	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	116805	22.978	ug/l	98
44) Isopropyl Acetate	8.557	43	187411	22.226	ug/l	97
45) 1,4-Dioxane	9.563	88	32117	463.489	ug/l #	87
46) Methyl methacrylate	9.557	41	80536	21.360	ug/l	91
47) n-amyl Acetate	12.386	43	127171	19.699	ug/l	96
48) t-1,3-Dichloropropene	10.716	75	100546	20.132	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	103551	20.419	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	65204	22.547	ug/l	98
51) Ethyl methacrylate	10.757	69	111579	21.300	ug/l	94
52) 1,3-Dichloropropane	11.039	76	112240	21.809	ug/l	100
53) Dibromochloromethane	11.233	129	68677	21.524	ug/l	99
54) 1,2-Dibromoethane	11.345	107	64912	21.347	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	219695	107.083	ug/l	97
56) Bromoform	12.457	173	44809	20.155	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	603838	114.108	ug/l	98
59) 2-Hexanone	11.080	43	449511	112.042	ug/l	98
61) Tetrachloroethene	10.974	164	43687	20.009	ug/l	96
62) Toluene	10.504	91	244473	20.436	ug/l	98
64) Chlorobenzene	11.768	112	145898	20.031	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	60372	21.024	ug/l	99
66) Ethyl Benzene	11.839	91	269388	19.614	ug/l	100
67) m/p-Xylenes	11.951	106	191934	38.313	ug/l	93
68) o-Xylene	12.280	106	99095	19.390	ug/l	91
69) Styrene	12.292	104	155531	19.171	ug/l	95
70) Isopropylbenzene	12.574	105	254277	19.041	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	96972	21.452	ug/l	99
72) 1,2,3-Trichloropropane	12.880	75	83343m	21.126	ug/l	
73) Bromobenzene	12.857	156	51772	19.071	ug/l	69
74) n-propylbenzene	12.915	91	277766	18.177	ug/l	97
75) 2-Chlorotoluene	13.004	91	180955	19.104	ug/l	94
76) 1,3,5-Trimethylbenzene	13.057	105	205301	18.730	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	30839	18.547	ug/l	94
78) 4-Chlorotoluene	13.104	91	159573	17.833	ug/l	94
79) tert-butylbenzene	13.321	119	177997	18.190	ug/l	95
80) 1,2,4-Trimethylbenzene	13.498	105	243315	18.410	ug/l	100
81) sec-Butylbenzene	13.498	105	243315	18.410	ug/l	98
82) p-Isopropyltoluene	13.610	119	188663	17.882	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	89371	18.805	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	84305	18.270	ug/l	97
85) n-Butylbenzene	13.939	91	154559	17.278	ug/l	97
86) Hexachloroethane	14.210	117	41794	17.902	ug/l	91
87) 1,2-Dichlorobenzene	13.986	146	90611	19.265	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.604	75	23208	20.476	ug/l	85
89) 1,2,4-Trichlorobenzene	15.262	180	41172	17.371	ug/l	98
90) Hexachlorobutadiene	15.362	225	19317	18.166	ug/l	98
91) Naphthalene	15.504	128	166110	17.564	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	43353	17.980	ug/l	98

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

