

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071991.D
 Acq On : 14 Apr 2022 12:29
 Operator : JC\MD
 Sample : VN0414WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/15/2022

Quant Time: Apr 15 01:36:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	77572	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	391219	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	368570	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	153474	28.081	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.600%		
60) 4-Bromofluorobenzene	12.727	95	164009	30.011	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.033%		
63) Toluene-d8	10.439	98	490679	29.327	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.767%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	85358	17.679	ug/l	99
3) Chloromethane	2.299	50	100667	17.690	ug/l	97
4) Vinyl Chloride	2.440	62	95791	14.678	ug/l	99
5) Bromomethane	2.840	94	67046	17.434	ug/l	96
6) Chloroethane	3.010	64	66037	15.802	ug/l	98
7) Trichlorofluoromethane	3.369	101	120020	15.774	ug/l	100
8) Diethyl Ether	3.828	74	57244	17.905	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.210	101	73008	16.022	ug/l #	62
10) 1,1-Dichloroethene	4.181	96	69253	15.410	ug/l	96
11) Methyl Iodide	4.428	142	114292	17.355	ug/l	88
12) Methyl Acetate	4.846	43	113149	17.865	ug/l	97
13) Acrolein	4.040	56	67778	100.590	ug/l	100
14) Acrylonitrile	5.551	53	263252	91.773	ug/l	97
15) Acetone	4.287	58	70574	85.492	ug/l	73
16) Carbon Disulfide	4.534	76	185100	15.819	ug/l	96
17) Allyl chloride	4.840	41	116684	16.008	ug/l	78
18) Methylene Chloride	5.093	84	99027	18.368	ug/l	92
19) trans-1,2-Dichloroethene	5.599	96	83692	17.411	ug/l	97
20) Diisopropyl ether	6.493	45	268490	17.604	ug/l	93
21) 1,1-Dichloroethane	6.387	63	157116	17.063	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	108124	18.515	ug/l	91
23) tert-Butyl Alcohol	5.363	59	83013	81.102	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	289726	17.863	ug/l #	89
25) Chloroform	7.816	83	172567	18.634	ug/l	99
26) Cyclohexane	8.092	56	126688	15.917	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	113520	17.927	ug/l	98
30) 2-Butanone	7.328	43	339957	96.447	ug/l	94
31) 2,2-Dichloropropane	7.328	77	117164	16.242	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	133660	18.123	ug/l	96
33) Carbon Tetrachloride	8.204	117	113103	18.117	ug/l	97
34) Benzene	8.457	78	398756	20.268	ug/l	97
35) Methacrylonitrile	7.634	41	69339	20.503	ug/l	92
36) 1,2-Dichloroethane	8.528	62	135581	19.754	ug/l #	93
37) Trichloroethene	9.216	130	98121	19.329	ug/l	89
38) Methylcyclohexane	9.457	83	136378	17.087	ug/l	97
39) 1,2-Dichloropropane	9.486	63	100050	20.326	ug/l	92
40) Dibromomethane	9.575	93	70352	21.116	ug/l	84
41) Bromodichloromethane	9.757	83	135047	20.256	ug/l	97
42) Vinyl Acetate	6.434	43	1157303m	95.823	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	134387	19.662	ug/l	95
44) Isopropyl Acetate	8.557	43	211452	19.289	ug/l	92
45) 1,4-Dioxane	9.563	88	46942	424.421	ug/l #	91
46) Methyl methacrylate	9.557	41	89355	18.587	ug/l	76
47) n-amyl Acetate	12.386	43	127207m	17.389	ug/l	
48) t-1,3-Dichloropropene	10.716	75	140434	19.380	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	155504	19.623	ug/l #	83
50) 1,1,2-Trichloroethane	10.892	97	108939	21.872	ug/l	98
51) Ethyl methacrylate	10.757	69	158853	20.657	ug/l	77
52) 1,3-Dichloropropane	11.039	76	182587	21.466	ug/l	98
53) Dibromochloromethane	11.233	129	108008	20.949	ug/l	100
54) 1,2-Dibromoethane	11.339	107	109623	21.397	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	184037	88.821	ug/l	97
56) Bromoform	12.457	173	83031	20.887	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	684497	97.834	ug/l	90
59) 2-Hexanone	11.081	43	480457	94.055	ug/l #	87
61) Tetrachloroethene	10.975	164	85972	19.166	ug/l	93
62) Toluene	10.504	91	432105	19.335	ug/l	95
64) Chlorobenzene	11.769	112	268551	19.481	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	102356	20.240	ug/l	98
66) Ethyl Benzene	11.839	91	442628	18.225	ug/l	97
67) m/p-Xylenes	11.951	106	347871	36.819	ug/l	97
68) o-Xylene	12.275	106	172782	18.399	ug/l	97
69) Styrene	12.292	104	273498	18.505	ug/l	97
70) Isopropylbenzene	12.575	105	418316	17.748	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	160407	20.911	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	139533m	21.173	ug/l	
73) Bromobenzene	12.857	156	108162	18.811	ug/l	96
74) n-propylbenzene	12.916	91	438226	17.035	ug/l	97
75) 2-Chlorotoluene	13.004	91	296725	18.458	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	344371	18.212	ug/l	95
77) t-1,4-Dichloro-2-butene	12.622	75	39492	17.066	ug/l	90
78) 4-Chlorotoluene	13.104	91	267318	17.805	ug/l	99
79) tert-butylbenzene	13.322	119	301622	17.676	ug/l	93
80) 1,2,4-Trimethylbenzene	13.363	105	333757m	18.191	ug/l	
81) sec-Butylbenzene	13.498	105	383476	16.726	ug/l	97
82) p-Isopropyltoluene	13.610	119	310778	16.683	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	169035	17.966	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	162368	18.080	ug/l	97
85) n-Butylbenzene	13.939	91	203095	14.678	ug/l	96
86) Hexachloroethane	14.204	117	57430	16.509	ug/l	73
87) 1,2-Dichlorobenzene	13.986	146	172443	18.958	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	23737	17.391	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.263	180	70639	16.800	ug/l	97
90) Hexachlorobutadiene	15.368	225	45702	18.343	ug/l	99
91) Naphthalene	15.504	128	185827	18.353	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	72563	17.596	ug/l	96

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

