

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071912.D
 Acq On : 08 Apr 2022 14:07
 Operator : JC\MD
 Sample : VN0408WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 09 05:20:26 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	81577	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	444721	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	413101	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	165459	28.788	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.967%
60) 4-Bromofluorobenzene	12.727	95	177077	28.909	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.367%
63) Toluene-d8	10.439	98	553590	29.521	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	123329	24.289	ug/l	97
3) Chloromethane	2.298	50	137991	23.058	ug/l	96
4) Vinyl Chloride	2.446	62	140514	20.474	ug/l	99
5) Bromomethane	2.851	94	94011	23.246	ug/l	99
6) Chloroethane	3.022	64	85952	19.557	ug/l	99
7) Trichlorofluoromethane	3.375	101	173612	21.697	ug/l	96
8) Diethyl Ether	3.828	74	74697	22.217	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.216	101	105494	22.014	ug/l #	62
10) 1,1-Dichloroethene	4.187	96	101228	21.419	ug/l	99
11) Methyl Iodide	4.422	142	151552	21.883	ug/l	89
12) Methyl Acetate	4.851	43	142440	21.386	ug/l	98
13) Acrolein	4.045	56	75496	106.543	ug/l	97
14) Acrylonitrile	5.551	53	318850	105.698	ug/l	97
15) Acetone	4.287	58	88458	101.896	ug/l	79
16) Carbon Disulfide	4.528	76	268755	21.841	ug/l	96
17) Allyl chloride	4.845	41	156189	20.375	ug/l	83
18) Methylene Chloride	5.098	84	123881	21.850	ug/l	96
19) trans-1,2-Dichloroethene	5.598	96	106551	21.078	ug/l	97
20) Diisopropyl ether	6.492	45	345527	21.543	ug/l	95
21) 1,1-Dichloroethane	6.381	63	202948	20.958	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	131470	21.407	ug/l	95
23) tert-Butyl Alcohol	5.363	59	96261	89.428	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	366727m	21.500	ug/l	
25) Chloroform	7.816	83	207885	21.345	ug/l	100
26) Cyclohexane	8.092	56	183040	21.868	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	155614	21.618	ug/l	100
30) 2-Butanone	7.333	43	397478	99.200	ug/l	95
31) 2,2-Dichloropropane	7.322	77	161653	19.714	ug/l #	85
32) 1,1,1-Trichloroethane	8.010	97	176146	21.010	ug/l	99
33) Carbon Tetrachloride	8.204	117	152513	21.491	ug/l	98
34) Benzene	8.457	78	495681	22.164	ug/l	97
35) Methacrylonitrile	7.633	41	81004	21.071	ug/l	94
36) 1,2-Dichloroethane	8.527	62	162315	20.804	ug/l #	94
37) Trichloroethene	9.216	130	125387	21.728	ug/l	97
38) Methylcyclohexane	9.457	83	201660	22.226	ug/l	99
39) 1,2-Dichloropropane	9.486	63	123148	22.009	ug/l	98
40) Dibromomethane	9.574	93	82600	21.810	ug/l	85
41) Bromodichloromethane	9.757	83	163883	21.624	ug/l	97
42) Vinyl Acetate	6.428	43	1434212	104.465	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	166249	21.397	ug/l	96
44) Isopropyl Acetate	8.557	43	249222	19.999	ug/l	92
45) 1,4-Dioxane	9.563	88	49331	392.362	ug/l	92
46) Methyl methacrylate	9.557	41	106668	19.519	ug/l	80
47) n-amyl Acetate	12.386	43	152228m	18.306	ug/l	
48) t-1,3-Dichloropropene	10.716	75	171049	20.765	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	193175	21.444	ug/l #	83
50) 1,1,2-Trichloroethane	10.898	97	127832	22.578	ug/l	97
51) Ethyl methacrylate	10.757	69	188130	21.521	ug/l	82
52) 1,3-Dichloropropane	11.039	76	217059	22.449	ug/l	99
53) Dibromochloromethane	11.233	129	128942	22.000	ug/l	100
54) 1,2-Dibromoethane	11.339	107	130036	22.327	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	194422	82.544	ug/l	99
56) Bromoform	12.451	173	98646	21.829	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	802403	102.323	ug/l	91
59) 2-Hexanone	11.080	43	566819	99.000	ug/l	89
61) Tetrachloroethene	10.974	164	115509	22.975	ug/l	88
62) Toluene	10.498	91	556348	22.210	ug/l	97
64) Chlorobenzene	11.768	112	334132	21.626	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	123068	21.712	ug/l	98
66) Ethyl Benzene	11.839	91	580125	21.312	ug/l	95
67) m/p-Xylenes	11.951	106	451672	42.652	ug/l	95
68) o-Xylene	12.274	106	224678	21.346	ug/l	95
69) Styrene	12.292	104	346770	20.934	ug/l	96
70) Isopropylbenzene	12.574	105	558421	21.138	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	182775	21.258	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	162226m	21.962	ug/l	
73) Bromobenzene	12.857	156	133528	20.719	ug/l	96
74) n-propylbenzene	12.915	91	589781	20.455	ug/l	98
75) 2-Chlorotoluene	13.004	91	374454	20.782	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	459660	21.688	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	48713	18.782	ug/l	87
78) 4-Chlorotoluene	13.104	91	333803	19.837	ug/l	100
79) tert-butylbenzene	13.321	119	401710	21.004	ug/l	92
80) 1,2,4-Trimethylbenzene	13.362	105	432524	21.033	ug/l #	80
81) sec-Butylbenzene	13.498	105	526489	20.488	ug/l	97
82) p-Isopropyltoluene	13.610	119	423675	20.292	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	213672	20.262	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	203184	20.187	ug/l	97
85) n-Butylbenzene	13.939	91	285838	18.431	ug/l	95
86) Hexachloroethane	14.204	117	77028	19.756	ug/l	79
87) 1,2-Dichlorobenzene	13.986	146	214246	21.015	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	30028	19.629	ug/l	89
89) 1,2,4-Trichlorobenzene	15.256	180	95887	20.347	ug/l	96
90) Hexachlorobutadiene	15.368	225	60703	21.737	ug/l	98
91) Naphthalene	15.504	128	246041	20.434	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	96892	20.963	ug/l	97

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

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