

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071703.D
 Acq On : 31 Mar 2022 14:40
 Operator : JC\MD
 Sample : VN0331WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Quant Time: Mar 31 18:46:38 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 04/01/2022

Supervised By :Mahesh
 Dadoda
 04/01/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.657	128	89315	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	500472	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	447519	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	190098	30.209	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.700%
60) 4-Bromofluorobenzene	12.727	95	200531	30.221	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.733%
63) Toluene-d8	10.439	98	613191	30.184	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	98614	17.739	ug/l	97
3) Chloromethane	2.298	50	118538	18.091	ug/l	97
4) Vinyl Chloride	2.440	62	132415	17.622	ug/l	100
5) Bromomethane	2.851	94	87015	19.652	ug/l	96
6) Chloroethane	3.016	64	91217	18.957	ug/l	96
7) Trichlorofluoromethane	3.369	101	170066	19.412	ug/l	97
8) Diethyl Ether	3.828	74	75416	20.487	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	109420m	20.855	ug/l	
10) 1,1-Dichloroethene	4.187	96	98851	19.104	ug/l	96
11) Methyl Iodide	4.422	142	148806	19.625	ug/l	89
12) Methyl Acetate	4.851	43	156347	21.440	ug/l	97
13) Acrolein	4.045	56	72983	94.074	ug/l	99
14) Acrylonitrile	5.545	53	358520	108.552	ug/l	98
15) Acetone	4.281	58	119171	125.382	ug/l	86
16) Carbon Disulfide	4.528	76	213666	15.860	ug/l	97
17) Allyl chloride	4.839	41	165222	19.686	ug/l	82
18) Methylene Chloride	5.092	84	127237	20.497	ug/l	94
19) trans-1,2-Dichloroethene	5.598	96	107393	19.404	ug/l	94
20) Diisopropyl ether	6.492	45	370217	21.082	ug/l	94
21) 1,1-Dichloroethane	6.381	63	216172	20.390	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	137602	20.465	ug/l	97
23) tert-Butyl Alcohol	5.363	59	132419	112.361	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	397059	21.262	ug/l	91
25) Chloroform	7.816	83	228272	21.408	ug/l	98
26) Cyclohexane	8.098	56	170492	18.604	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	156050	19.264	ug/l	100
30) 2-Butanone	7.328	43	489906	108.647	ug/l	97
31) 2,2-Dichloropropane	7.322	77	187598	20.329	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	190343	20.175	ug/l	99
33) Carbon Tetrachloride	8.204	117	160423	20.087	ug/l	98
34) Benzene	8.457	78	506516	20.125	ug/l	99
35) Methacrylonitrile	7.633	41	93284	21.562	ug/l	95
36) 1,2-Dichloroethane	8.527	62	179440	20.437	ug/l	96
37) Trichloroethene	9.216	130	129332	19.915	ug/l	99
38) Methylcyclohexane	9.457	83	190041	18.612	ug/l	95
39) 1,2-Dichloropropane	9.486	63	128765	20.449	ug/l	93
40) Dibromomethane	9.574	93	85257	20.004	ug/l	87
41) Bromodichloromethane	9.757	83	176401	20.683	ug/l	99
42) Vinyl Acetate	6.428	43	1560459	100.999	ug/l	96

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43) Ethyl Acetate	7.410	43	180751	20.672	ug/l	100	04/01/2022
44) Isopropyl Acetate	8.557	43	291209	20.766	ug/l	95	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.563	88	62918	444.682	ug/l	95	
46) Methyl methacrylate	9.557	41	121266	19.719	ug/l	83	
47) n-amyl Acetate	12.386	43	180695	19.309	ug/l	91	
48) t-1,3-Dichloropropene	10.716	75	184082	19.857	ug/l	100	
49) cis-1,3-Dichloropropene	10.186	75	203406	20.065	ug/l #	85	04/01/2022
50) 1,1,2-Trichloroethane	10.892	97	134102	21.047	ug/l	98	
51) Ethyl methacrylate	10.757	69	198902	20.218	ug/l	84	
52) 1,3-Dichloropropane	11.039	76	225076	20.685	ug/l	99	
53) Dibromochloromethane	11.233	129	134216	20.349	ug/l	100	
54) 1,2-Dibromoethane	11.345	107	133570	20.379	ug/l	97	
55) 2-Chloroethyl vinyl ether	10.039	63	166656	62.874	ug/l	98	
56) Bromoform	12.451	173	100542	19.771	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.327	43	924817	108.863	ug/l	92	
59) 2-Hexanone	11.080	43	673100	108.521	ug/l	90	
61) Tetrachloroethene	10.974	164	114224	20.972	ug/l	90	
62) Toluene	10.504	91	563528	20.767	ug/l	98	
64) Chlorobenzene	11.768	112	345953	20.669	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	11.839	131	129355	21.066	ug/l	98	
66) Ethyl Benzene	11.839	91	599471	20.329	ug/l	98	
67) m/p-Xylenes	11.951	106	468007	40.795	ug/l	96	
68) o-Xylene	12.274	106	231715	20.322	ug/l	97	
69) Styrene	12.292	104	363741	20.270	ug/l	96	
70) Isopropylbenzene	12.574	105	600959	20.999	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.821	83	204638	21.970	ug/l	98	
72) 1,2,3-Trichloropropane	12.880	75	182470m	22.803	ug/l		
73) Bromobenzene	12.857	156	142661	20.434	ug/l	97	
74) n-propylbenzene	12.915	91	633409	20.279	ug/l	98	
75) 2-Chlorotoluene	13.004	91	402703	20.631	ug/l	98	
76) 1,3,5-Trimethylbenzene	13.057	105	476387	20.749	ug/l	95	
77) t-1,4-Dichloro-2-butene	12.621	75	55464	19.740	ug/l	90	
78) 4-Chlorotoluene	13.104	91	370774	20.339	ug/l	98	
79) tert-butylbenzene	13.321	119	429832	20.746	ug/l	95	
80) 1,2,4-Trimethylbenzene	13.362	105	464121m	20.834	ug/l		
81) sec-Butylbenzene	13.498	105	573465	20.600	ug/l	98	
82) p-Isopropyltoluene	13.609	119	460839	20.374	ug/l	97	
83) 1,3-Dichlorobenzene	13.609	146	233403	20.431	ug/l	97	
84) 1,4-Dichlorobenzene	13.692	146	224153	20.557	ug/l	98	
85) n-Butylbenzene	13.939	91	322015	19.167	ug/l	95	
86) Hexachloroethane	14.209	117	85312	20.198	ug/l	80	
87) 1,2-Dichlorobenzene	13.986	146	233526	21.144	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	34135	20.598	ug/l	84	
89) 1,2,4-Trichlorobenzene	15.262	180	106355	20.832	ug/l	96	
90) Hexachlorobutadiene	15.362	225	67331	22.256	ug/l	98	
91) Naphthalene	15.503	128	279995	21.118	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.698	180	105995	21.169	ug/l	98	

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

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