

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077591.D
 Acq On : 05 May 2023 14:20
 Operator : JC\MD
 Sample : VN0505WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 06 02:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	65058	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	465835	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	514057	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	185651	32.009	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.700%
60) 4-Bromofluorobenzene	12.848	95	284838	31.627	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.433%
63) Toluene-d8	10.566	98	542766	29.964	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	156958	19.379	ug/l	99
3) Chloromethane	2.372	50	132446	22.135	ug/l	96
4) Vinyl Chloride	2.525	62	161905	19.456	ug/l	97
5) Bromomethane	2.960	94	117280	16.695	ug/l	92
6) Chloroethane	3.131	64	113078	18.869	ug/l	91
7) Trichlorofluoromethane	3.507	101	243363	19.830	ug/l	94
8) Diethyl Ether	3.972	74	93335	21.733	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.378	101	131635	18.978	ug/l	85
10) 1,1-Dichloroethene	4.349	96	126975	19.082	ug/l	93
11) Methyl Iodide	4.596	142	161700	19.808	ug/l	96
12) Methyl Acetate	5.031	43	231039	24.074	ug/l	95
13) Acrolein	4.184	56	118564	103.041	ug/l	98
14) Acrylonitrile	5.731	53	323731	109.953	ug/l	97
15) Acetone	4.437	58	89258	94.951	ug/l	86
16) Carbon Disulfide	4.725	76	307858	18.449	ug/l	99
17) Allyl chloride	5.031	41	158711	21.751	ug/l	94
18) Methylene Chloride	5.290	84	156600	19.949	ug/l	92
19) trans-1,2-Dichloroethene	5.801	96	140597	19.123	ug/l	96
20) Diisopropyl ether	6.678	45	384049	22.611	ug/l	97
21) 1,1-Dichloroethane	6.572	63	257742	20.764	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	173759	19.732	ug/l	95
23) tert-Butyl Alcohol	5.531	59	128622	101.261	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	486490	21.078	ug/l #	84
25) Chloroform	7.972	83	297676	20.866	ug/l	97
26) Cyclohexane	8.266	56	201562	19.906	ug/l #	97
29) 1,1-Dichloropropene	8.378	75	202906	20.664	ug/l	98
30) 2-Butanone	7.489	43	399738	111.037	ug/l	95
31) 2,2-Dichloropropane	7.495	77	219143	19.074	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	264280	20.852	ug/l	97
33) Carbon Tetrachloride	8.366	117	220053	20.003	ug/l	95
34) Benzene	8.607	78	635952	21.060	ug/l #	96
35) Methacrylonitrile	7.784	41	90757	24.691	ug/l	95
36) 1,2-Dichloroethane	8.678	62	227861	22.095	ug/l	99
37) Trichloroethene	9.360	130	153263	20.081	ug/l	98
38) Methylcyclohexane	9.601	83	242184	18.773	ug/l	94
39) 1,2-Dichloropropane	9.625	63	153595	21.961	ug/l	98
40) Dibromomethane	9.713	93	114923	20.835	ug/l	98
41) Bromodichloromethane	9.889	83	229640	21.080	ug/l	99
42) Vinyl Acetate	6.613	43	1192425	105.171	ug/l	96

05/08/2023
 Supervised By :Mahesh
 Radoda

05/08/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.566	43	170250	24.432	ug/l	#	77
44) Isopropyl Acetate	8.695	43	293964	23.815	ug/l		91
45) 1,4-Dioxane	9.695	88	61806	412.877	ug/l	#	95
46) Methyl methacrylate	9.683	41	130983	23.316	ug/l		99
47) n-amyl Acetate	12.495	43	233953	23.644	ug/l		99
48) t-1,3-Dichloropropene	10.836	75	233523	21.055	ug/l		97
49) cis-1,3-Dichloropropene	10.313	75	250375	20.913	ug/l	#	90
50) 1,1,2-Trichloroethane	11.019	97	162604	20.767	ug/l		94
51) Ethyl methacrylate	10.878	69	236382	21.806	ug/l		92
52) 1,3-Dichloropropane	11.166	76	275281	21.666	ug/l		99
53) Dibromochloromethane	11.360	129	170085	21.099	ug/l		100
54) 1,2-Dibromoethane	11.472	107	163046	20.348	ug/l		98
55) 2-Chloroethyl vinyl ether	10.160	63	330171	92.818	ug/l		99
56) Bromoform	12.577	173	99385	19.766	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.448	43	867831	117.224	ug/l		95
59) 2-Hexanone	11.195	43	626082	114.787	ug/l		95
61) Tetrachloroethene	11.107	164	116788	19.451	ug/l		92
62) Toluene	10.630	91	702257	20.312	ug/l		98
64) Chlorobenzene	11.895	112	422251	19.992	ug/l		94
65) 1,1,1,2-Tetrachloroethane	11.960	131	155794	20.641	ug/l		98
66) Ethyl Benzene	11.966	91	778669	20.627	ug/l		100
67) m/p-Xylenes	12.072	106	593954	40.405	ug/l		96
68) o-Xylene	12.401	106	297435	20.370	ug/l		97
69) Styrene	12.413	104	472397	20.806	ug/l		97
70) Isopropylbenzene	12.701	105	756360	20.407	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.942	83	235138	20.827	ug/l		99
72) 1,2,3-Trichloropropane	12.995	75	203836m	21.225	ug/l		
73) Bromobenzene	12.983	156	157900	19.811	ug/l		94
74) n-propylbenzene	13.042	91	846197	20.517	ug/l		99
75) 2-Chlorotoluene	13.130	91	525717	20.666	ug/l		99
76) 1,3,5-Trimethylbenzene	13.177	105	604377	21.154	ug/l		100
77) t-1,4-Dichloro-2-butene	12.736	75	58450	18.427	ug/l		75
78) 4-Chlorotoluene	13.224	91	499297	20.732	ug/l		100
79) tert-butylbenzene	13.442	119	541508	20.489	ug/l		99
80) 1,2,4-Trimethylbenzene	13.483	105	547601	20.840	ug/l		99
81) sec-Butylbenzene	13.619	105	744597	20.209	ug/l		99
82) p-Isopropyltoluene	13.730	119	575269	19.925	ug/l		100
83) 1,3-Dichlorobenzene	13.736	146	284064	20.373	ug/l		99
84) 1,4-Dichlorobenzene	13.813	146	271264	19.689	ug/l		98
85) n-Butylbenzene	14.060	91	439137	19.682	ug/l		98
86) Hexachloroethane	14.336	117	113049	19.329	ug/l		96
87) 1,2-Dichlorobenzene	14.107	146	279007	19.668	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	44189	21.174	ug/l		92
89) 1,2,4-Trichlorobenzene	15.395	180	62979	16.915	ug/l		99
90) Hexachlorobutadiene	15.507	225	56898	18.790	ug/l		96
91) Naphthalene	15.642	128	238551	17.551	ug/l	#	93
92) 1,2,3-Trichlorobenzene	15.842	180	61529	17.663	ug/l		96

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

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