

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084344.D
 Acq On : 08 Oct 2024 12:46
 Operator : JC\MD
 Sample : VN1008WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2024
 Supervised By : Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:28:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	35683	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	200016	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	185872	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88646	30.857	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 102.867%		
60) 4-Bromofluorobenzene	12.847	95	93386	30.442	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 101.467%		
63) Toluene-d8	10.565	98	258424	30.012	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 100.033%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	39484	18.123	ug/l	96
3) Chloromethane	2.359	50	46864	18.903	ug/l	99
4) Vinyl Chloride	2.512	62	45472	18.703	ug/l	100
5) Bromomethane	2.959	94	29858	18.536	ug/l	88
6) Chloroethane	3.124	64	27471	17.235	ug/l	91
7) Trichlorofluoromethane	3.500	101	74117	18.716	ug/l	96
8) Diethyl Ether	3.965	74	26052	17.893	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	42255	18.977	ug/l	97
10) 1,1-Dichloroethene	4.342	96	40230	18.107	ug/l	88
11) Methyl Iodide	4.589	142	52678	18.042	ug/l	94
12) Methyl Acetate	5.024	43	47094	16.931	ug/l	99
13) Acrolein	4.183	56	52416	101.444	ug/l	98
14) Acrylonitrile	5.718	53	105137	84.134	ug/l	99
15) Acetone	4.430	58	36976	103.582	ug/l	92
16) Carbon Disulfide	4.712	76	119344	18.038	ug/l	98
17) Allyl chloride	5.024	41	64030	17.778	ug/l	96
18) Methylene Chloride	5.277	84	44954	17.961	ug/l	98
19) trans-1,2-Dichloroethene	5.788	96	42629	18.129	ug/l	91
20) Diisopropyl ether	6.671	45	142253	18.370	ug/l	97
21) 1,1-Dichloroethane	6.571	63	82503	18.568	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	48745	17.815	ug/l	98
23) tert-Butyl Alcohol	5.524	59	38813	80.973	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	133495	17.979	ug/l #	85
25) Chloroform	7.965	83	83653	18.589	ug/l	96
26) Cyclohexane	8.259	56	66183	17.809	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	57714	17.577	ug/l	99
30) 2-Butanone	7.482	43	150379	86.021	ug/l	100
31) 2,2-Dichloropropane	7.488	77	73529	19.057	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	76276	18.174	ug/l	98
33) Carbon Tetrachloride	8.365	117	64959	17.866	ug/l	92
34) Benzene	8.606	78	183160	17.820	ug/l	96
35) Methacrylonitrile	7.777	41	32130	17.228	ug/l	99
36) 1,2-Dichloroethane	8.671	62	61452	17.937	ug/l	99
37) Trichloroethene	9.353	130	42732	18.055	ug/l	95
38) Methylcyclohexane	9.600	83	62923	17.447	ug/l	97
39) 1,2-Dichloropropane	9.624	63	43530	17.368	ug/l	98
40) Dibromomethane	9.706	93	32353	18.469	ug/l	96
41) Bromodichloromethane	9.888	83	66208	17.804	ug/l	97
42) Vinyl Acetate	6.600	43	528122	86.863	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	60823	17.641	ug/l	100
44) Isopropyl Acetate	8.688	43	94928	16.822	ug/l	100
45) 1,4-Dioxane	9.694	88	16420	322.784	ug/l	97
46) Methyl methacrylate	9.682	41	46192	16.942	ug/l	96
47) n-amyl Acetate	12.494	43	84776	16.890	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	65276	16.987	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	71987	17.875	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	40651	17.265	ug/l	92
51) Ethyl methacrylate	10.876	69	65162	16.755	ug/l	94
52) 1,3-Dichloropropane	11.165	76	73349	17.816	ug/l	99
53) Dibromochloromethane	11.359	129	48121	17.301	ug/l	98
54) 1,2-Dibromoethane	11.470	107	42891	17.697	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	167109	94.738	ug/l	99
56) Bromoform	12.576	173	31328	16.982	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	291797	84.274	ug/l	100
59) 2-Hexanone	11.194	43	219210	85.199	ug/l	100
61) Tetrachloroethene	11.100	164	38953	18.527	ug/l	96
62) Toluene	10.629	91	198894	18.278	ug/l	98
64) Chlorobenzene	11.888	112	119780	17.689	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41701	17.727	ug/l	99
66) Ethyl Benzene	11.965	91	210924	17.842	ug/l	97
67) m/p-Xylenes	12.070	106	160756	35.845	ug/l	98
68) o-Xylene	12.400	106	76761	17.757	ug/l	98
69) Styrene	12.412	104	130612	17.601	ug/l	99
70) Isopropylbenzene	12.694	105	192846	17.475	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	58593	17.163	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	49122m	16.801	ug/l	
73) Bromobenzene	12.982	156	47030	17.597	ug/l	100
74) n-propylbenzene	13.035	91	238284	18.120	ug/l	100
75) 2-Chlorotoluene	13.123	91	145012	17.746	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	167956	18.076	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20131	16.113	ug/l	97
78) 4-Chlorotoluene	13.217	91	148105	17.826	ug/l	99
79) tert-butylbenzene	13.441	119	142534	17.980	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	168331	17.854	ug/l	100
81) sec-Butylbenzene	13.617	105	196952	18.046	ug/l	100
82) p-Isopropyltoluene	13.729	119	162662	17.708	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87246	17.556	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	86237	17.475	ug/l	99
85) n-Butylbenzene	14.059	91	138725	17.436	ug/l	100
86) Hexachloroethane	14.335	117	30770	17.386	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	83391	17.356	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11224	16.077	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	38977	15.603	ug/l	98
90) Hexachlorobutadiene	15.500	225	19596	16.956	ug/l	96
91) Naphthalene	15.641	128	123702	14.613	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	38977	15.603	ug/l	98

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

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