

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084309.D
 Acq On : 04 Oct 2024 10:55
 Operator : JC\MD
 Sample : VN1004WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 04 22:55:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	33367	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179014	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	168197	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	85180m	27.928	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.100%
60) 4-Bromofluorobenzene	12.847	95	84930	29.298	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.667%
63) Toluene-d8	10.565	98	237645	30.514	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	39126	17.510	ug/l	94
3) Chloromethane	2.359	50	44240	19.055	ug/l	99
4) Vinyl Chloride	2.518	62	45415	19.028	ug/l	95
5) Bromomethane	2.959	94	27551	20.661	ug/l	98
6) Chloroethane	3.118	64	28282	17.695	ug/l	99
7) Trichlorofluoromethane	3.500	101	73547	18.380	ug/l	94
8) Diethyl Ether	3.965	74	24811	18.248	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	42045m	19.561	ug/l	
10) 1,1-Dichloroethene	4.342	96	39384	18.991	ug/l	92
11) Methyl Iodide	4.589	142	52049	18.477	ug/l	97
12) Methyl Acetate	5.024	43	56651	22.651	ug/l #	83
13) Acrolein	4.177	56	32912	90.169	ug/l	97
14) Acrylonitrile	5.718	53	103859	102.615	ug/l	92
15) Acetone	4.430	58	35706	106.349	ug/l	80
16) Carbon Disulfide	4.712	76	107513	18.344	ug/l	98
17) Allyl chloride	5.024	41	61018	16.778	ug/l	87
18) Methylene Chloride	5.277	84	44632	19.672	ug/l	89
19) trans-1,2-Dichloroethene	5.783	96	41160	19.150	ug/l	92
20) Diisopropyl ether	6.671	45	146133	19.897	ug/l	97
21) 1,1-Dichloroethane	6.571	63	84796	20.222	ug/l	94
22) cis-1,2-Dichloroethene	7.483	96	50696	19.379	ug/l	94
23) tert-Butyl Alcohol	5.524	59	37753m	101.648	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	133664	18.137	ug/l #	92
25) Chloroform	7.965	83	87260	19.637	ug/l	99
26) Cyclohexane	8.259	56	63381	17.162	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	57099	20.110	ug/l	98
30) 2-Butanone	7.483	43	150217	112.231	ug/l	95
31) 2,2-Dichloropropane	7.494	77	72787	20.107	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	76506	20.176	ug/l	98
33) Carbon Tetrachloride	8.359	117	64547	19.656	ug/l	99
34) Benzene	8.606	78	183365	21.523	ug/l	99
35) Methacrylonitrile	7.777	41	33202	22.067	ug/l	94
36) 1,2-Dichloroethane	8.671	62	63828	19.929	ug/l	97
37) Trichloroethene	9.353	130	42245	21.116	ug/l	97
38) Methylcyclohexane	9.600	83	61907	18.211	ug/l	94
39) 1,2-Dichloropropane	9.618	63	45864	22.368	ug/l	98
40) Dibromomethane	9.706	93	31691	21.138	ug/l	96
41) Bromodichloromethane	9.888	83	67135	21.058	ug/l	92
42) Vinyl Acetate	6.600	43	510871	92.834	ug/l	96

10/07/2024
 Supervised By :Mahesh
 Radoda

10/07/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58614	21.757	ug/l	98
44) Isopropyl Acetate	8.688	43	97980	21.028	ug/l	91
45) 1,4-Dioxane	9.694	88	17144	471.725	ug/l	97
46) Methyl methacrylate	9.682	41	46430	20.586	ug/l	84
47) n-amyl Acetate	12.494	43	83351	20.194	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	66682	19.885	ug/l	91
49) cis-1,3-Dichloropropene	10.312	75	72345	20.744	ug/l #	90
50) 1,1,2-Trichloroethane	11.018	97	42321	22.184	ug/l	93
51) Ethyl methacrylate	10.876	69	64187	19.694	ug/l	86
52) 1,3-Dichloropropane	11.165	76	73241	21.259	ug/l	98
53) Dibromochloromethane	11.359	129	51548	22.528	ug/l	94
54) 1,2-Dibromoethane	11.465	107	42301	21.434	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	140218	107.951	ug/l	97
56) Bromoform	12.576	173	32101	22.082	ug/l #	96
58) 4-Methyl-2-Pentanone	10.441	43	293602	110.088	ug/l #	89
59) 2-Hexanone	11.194	43	221631	109.980	ug/l	88
61) Tetrachloroethene	11.100	164	37538	21.088	ug/l	95
62) Toluene	10.629	91	194758	20.145	ug/l	99
64) Chlorobenzene	11.888	112	120707	20.166	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42257	20.266	ug/l	96
66) Ethyl Benzene	11.965	91	208141	18.932	ug/l	99
67) m/p-Xylenes	12.070	106	162713	40.228	ug/l	99
68) o-Xylene	12.400	106	77533	19.806	ug/l	97
69) Styrene	12.412	104	131577	19.892	ug/l	98
70) Isopropylbenzene	12.694	105	195910	18.964	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	57436	20.356	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	50597m	20.453	ug/l	
73) Bromobenzene	12.982	156	46911	19.770	ug/l	96
74) n-propylbenzene	13.035	91	234637	19.402	ug/l	98
75) 2-Chlorotoluene	13.123	91	147054	19.483	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	168357	19.509	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	20582	19.683	ug/l	93
78) 4-Chlorotoluene	13.217	91	148639	19.419	ug/l	99
79) tert-butylbenzene	13.435	119	136363	18.071	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	169645	19.454	ug/l	99
81) sec-Butylbenzene	13.612	105	197021	19.112	ug/l	100
82) p-Isopropyltoluene	13.729	119	164356	18.950	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87593	19.180	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	84873	18.589	ug/l	99
85) n-Butylbenzene	14.059	91	138059	18.038	ug/l	98
86) Hexachloroethane	14.329	117	31670	19.269	ug/l	91
87) 1,2-Dichlorobenzene	14.106	146	83010	18.729	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12056	19.442	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	40064	16.500	ug/l	99
90) Hexachlorobutadiene	15.500	225	19799	19.700	ug/l	99
91) Naphthalene	15.641	128	117070	14.747	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	40064	16.500	ug/l	99

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

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