

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084345.D
 Acq On : 08 Oct 2024 13:21
 Operator : JC\MD
 Sample : VN1008WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 02:29:03 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	7.812	128	30094	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165231	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152182	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74609	30.794	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 102.633%		
60) 4-Bromofluorobenzene	12.847	95	76223	30.348	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 101.167%		
63) Toluene-d8	10.565	98	214517	30.428	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 101.433%		
						Qvalue
2) Dichlorodifluoromethane	2.130	85	32682	17.787	ug/l	88
3) Chloromethane	2.365	50	39185	18.741	ug/l	95
4) Vinyl Chloride	2.518	62	37858	18.463	ug/l	100
5) Bromomethane	2.965	94	25645	18.878	ug/l	88
6) Chloroethane	3.124	64	24501	18.227	ug/l	91
7) Trichlorofluoromethane	3.501	101	60443	18.097	ug/l	99
8) Diethyl Ether	3.965	74	22624	18.425	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	35548	18.929	ug/l	98
10) 1,1-Dichloroethene	4.336	96	33612	17.938	ug/l	80
11) Methyl Iodide	4.589	142	43463	17.650	ug/l	93
12) Methyl Acetate	5.024	43	41221	17.572	ug/l	95
13) Acrolein	4.183	56	43777	100.459	ug/l	98
14) Acrylonitrile	5.712	53	90986	86.332	ug/l	98
15) Acetone	4.424	58	29599	98.316	ug/l	95
16) Carbon Disulfide	4.718	76	95505	17.116	ug/l	100
17) Allyl chloride	5.030	41	52116	17.157	ug/l	96
18) Methylene Chloride	5.283	84	38256	18.123	ug/l	96
19) trans-1,2-Dichloroethene	5.795	96	35005	17.651	ug/l	92
20) Diisopropyl ether	6.671	45	118713	18.177	ug/l	96
21) 1,1-Dichloroethane	6.571	63	66566	17.763	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	42231	18.300	ug/l	98
23) tert-Butyl Alcohol	5.512	59	33087	81.847	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	113649	18.149	ug/l #	84
25) Chloroform	7.971	83	71675	18.885	ug/l	94
26) Cyclohexane	8.253	56	53679	17.127	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	48248	17.788	ug/l	99
30) 2-Butanone	7.483	43	128518	88.993	ug/l	100
31) 2,2-Dichloropropane	7.489	77	59025	18.518	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	62724	18.092	ug/l	99
33) Carbon Tetrachloride	8.359	117	53473	17.803	ug/l	96
34) Benzene	8.606	78	154422	18.187	ug/l	98
35) Methacrylonitrile	7.777	41	25955	16.847	ug/l	98
36) 1,2-Dichloroethane	8.671	62	51528	18.207	ug/l	99
37) Trichloroethene	9.353	130	35424	18.118	ug/l	94
38) Methylcyclohexane	9.600	83	52342	17.568	ug/l	99
39) 1,2-Dichloropropane	9.618	63	36987	17.864	ug/l	97
40) Dibromomethane	9.712	93	26903	18.591	ug/l	97
41) Bromodichloromethane	9.888	83	57031	18.565	ug/l	99
42) Vinyl Acetate	6.600	43	454243	90.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49685	17.445	ug/l	100
44) Isopropyl Acetate	8.688	43	83446	17.900	ug/l	98
45) 1,4-Dioxane	9.694	88	14032	333.912	ug/l	97
46) Methyl methacrylate	9.683	41	38891	17.267	ug/l	97
47) n-amyl Acetate	12.494	43	71441	17.229	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	55994	17.639	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	60903	18.306	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	34999	17.994	ug/l	98
51) Ethyl methacrylate	10.871	69	56110	17.465	ug/l	97
52) 1,3-Dichloropropane	11.165	76	62433	18.358	ug/l	99
53) Dibromochloromethane	11.359	129	41504	18.063	ug/l	100
54) 1,2-Dibromoethane	11.471	107	35918	17.940	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	137593	94.427	ug/l	99
56) Bromoform	12.576	173	26031	17.082	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	247223	87.207	ug/l	99
59) 2-Hexanone	11.194	43	183240	86.985	ug/l	99
61) Tetrachloroethene	11.100	164	32562	18.916	ug/l	95
62) Toluene	10.630	91	164465	18.460	ug/l	100
64) Chlorobenzene	11.888	112	99407	17.931	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	35566	18.466	ug/l	98
66) Ethyl Benzene	11.965	91	171373	17.705	ug/l	99
67) m/p-Xylenes	12.071	106	133521	36.364	ug/l	99
68) o-Xylene	12.400	106	63492	17.939	ug/l	100
69) Styrene	12.412	104	108383	17.839	ug/l	99
70) Isopropylbenzene	12.694	105	161771	17.904	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49802	17.818	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	41344m	17.271	ug/l	
73) Bromobenzene	12.976	156	39538	18.069	ug/l	97
74) n-propylbenzene	13.035	91	190983	17.738	ug/l	99
75) 2-Chlorotoluene	13.124	91	121976	18.231	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	136775	17.979	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	16364	15.997	ug/l	87
78) 4-Chlorotoluene	13.224	91	120716	17.746	ug/l	100
79) tert-butylbenzene	13.435	119	113881	17.546	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	136396	17.670	ug/l	99
81) sec-Butylbenzene	13.618	105	158374	17.724	ug/l	98
82) p-Isopropyltoluene	13.729	119	129631	17.236	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	72989	17.939	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	70611	17.477	ug/l	98
85) n-Butylbenzene	14.053	91	110590	16.977	ug/l	99
86) Hexachloroethane	14.329	117	24963	17.228	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	69725	17.724	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.718	75	9246	16.176	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	34455	16.846	ug/l	95
90) Hexachlorobutadiene	15.500	225	16231	17.153	ug/l	98
91) Naphthalene	15.641	128	104075	15.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34455	16.846	ug/l	95

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

