

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084059.D
 Acq On : 20 Sep 2024 10:11
 Operator : JC\MD
 Sample : VN0920WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Quant Time: Sep 20 23:21:56 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 09/23/2024

Supervised By :Mahesh
 Dadoda
 09/23/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	31687	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179569	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	162643	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87965	30.370	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.233%			
60) 4-Bromofluorobenzene	12.847	95	83890	29.927	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.767%			
63) Toluene-d8	10.565	98	234361	31.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.733%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45331	21.362	ug/l	95
3) Chloromethane	2.360	50	47263	21.436	ug/l	94
4) Vinyl Chloride	2.518	62	46248	20.404	ug/l	94
5) Bromomethane	2.959	94	28821	22.759	ug/l	97
6) Chloroethane	3.124	64	30006	19.769	ug/l	96
7) Trichlorofluoromethane	3.501	101	78151	20.566	ug/l	96
8) Diethyl Ether	3.965	74	25509	19.756	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	43716	21.417	ug/l	95
10) 1,1-Dichloroethene	4.348	96	39960	20.290	ug/l	86
11) Methyl Iodide	4.583	142	52889	19.771	ug/l	92
12) Methyl Acetate	5.024	43	54990	23.152	ug/l #	79
13) Acrolein	4.183	56	37788	109.017	ug/l	99
14) Acrylonitrile	5.718	53	110265	114.720	ug/l	97
15) Acetone	4.424	58	36434	114.271	ug/l	71
16) Carbon Disulfide	4.712	76	111732	20.075	ug/l	99
17) Allyl chloride	5.018	41	68772	19.913	ug/l	86
18) Methylene Chloride	5.271	84	46134	21.412	ug/l	87
19) trans-1,2-Dichloroethene	5.789	96	42132	20.641	ug/l	92
20) Diisopropyl ether	6.671	45	154479	22.149	ug/l	93
21) 1,1-Dichloroethane	6.565	63	83784	21.040	ug/l	95
22) cis-1,2-Dichloroethene	7.489	96	50528	20.339	ug/l	89
23) tert-Butyl Alcohol	5.518	59	43943	124.587	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	140035	20.009	ug/l #	84
25) Chloroform	7.965	83	91305	21.636	ug/l	100
26) Cyclohexane	8.259	56	68940	19.657	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	61830	21.708	ug/l	98
30) 2-Butanone	7.483	43	165259	123.088	ug/l	93
31) 2,2-Dichloropropane	7.494	77	78650	21.659	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	81523	21.432	ug/l	97
33) Carbon Tetrachloride	8.365	117	69851	21.205	ug/l	96
34) Benzene	8.606	78	188227	22.025	ug/l	99
35) Methacrylonitrile	7.777	41	35757	23.691	ug/l	90
36) 1,2-Dichloroethane	8.671	62	70826	22.045	ug/l	95
37) Trichloroethene	9.347	130	42944	21.399	ug/l	97
38) Methylcyclohexane	9.600	83	68531	20.097	ug/l	95
39) 1,2-Dichloropropane	9.624	63	47419	23.055	ug/l	97
40) Dibromomethane	9.712	93	32844	21.839	ug/l	94
41) Bromodichloromethane	9.888	83	72651	22.718	ug/l	97
42) Vinyl Acetate	6.606	43	568022	102.900	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	63724	23.581	ug/l	96
44) Isopropyl Acetate	8.689	43	110757	23.696	ug/l	89
45) 1,4-Dioxane	9.694	88	17774	487.548	ug/l #	92
46) Methyl methacrylate	9.683	41	51997	22.984	ug/l	81
47) n-amyl Acetate	12.494	43	94300	22.776	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	71774	21.337	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	74777	21.375	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	43707	22.840	ug/l	95
51) Ethyl methacrylate	10.871	69	69979	21.404	ug/l	78
52) 1,3-Dichloropropane	11.159	76	75614	21.880	ug/l	100
53) Dibromochloromethane	11.359	129	50178	21.861	ug/l	99
54) 1,2-Dibromoethane	11.471	107	43060	21.751	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	129229	99.183	ug/l	98
56) Bromoform	12.577	173	32105	22.016	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	321548	124.684	ug/l #	87
59) 2-Hexanone	11.194	43	241771	124.071	ug/l	87
61) Tetrachloroethene	11.100	164	38171	22.176	ug/l	92
62) Toluene	10.630	91	203603	21.779	ug/l	99
64) Chlorobenzene	11.888	112	122234	21.119	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	45097	22.366	ug/l	98
66) Ethyl Benzene	11.965	91	222040	20.886	ug/l	98
67) m/p-Xylenes	12.071	106	170853	43.683	ug/l	100
68) o-Xylene	12.400	106	80261	21.203	ug/l	97
69) Styrene	12.412	104	136624	21.361	ug/l	99
70) Isopropylbenzene	12.694	105	208618	20.884	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	61786	22.646	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	53883m	22.525	ug/l	
73) Bromobenzene	12.982	156	49300	21.486	ug/l	93
74) n-propylbenzene	13.035	91	253308	21.661	ug/l	99
75) 2-Chlorotoluene	13.124	91	153748	21.066	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	177017	21.213	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	21533	21.296	ug/l	88
78) 4-Chlorotoluene	13.224	91	158240	21.379	ug/l	99
79) tert-butylbenzene	13.435	119	149648	20.508	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	180804	21.441	ug/l	100
81) sec-Butylbenzene	13.618	105	212060	21.274	ug/l	99
82) p-Isopropyltoluene	13.729	119	174293	20.782	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	93290	21.125	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	89522	20.277	ug/l	100
85) n-Butylbenzene	14.053	91	154143	20.827	ug/l	98
86) Hexachloroethane	14.329	117	33763	21.243	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	88180	20.575	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12782	21.317	ug/l	91
89) 1,2,4-Trichlorobenzene	15.841	180	43091	18.352	ug/l	98
90) Hexachlorobutadiene	15.500	225	20489	21.082	ug/l	97
91) Naphthalene	15.641	128	139078	18.118	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	43091	18.352	ug/l	98

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

