

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084338.D
 Acq On : 08 Oct 2024 10:07
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 02:06:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:04:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35068	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	190456	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	179975	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84835	30.048	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	12.847	95	91083	30.664	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.200%			
63) Toluene-d8	10.565	98	247263	29.656	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	205380	95.924	ug/l	97
3) Chloromethane	2.359	50	238067	97.710	ug/l	99
4) Vinyl Chloride	2.512	62	232167	97.168	ug/l	98
5) Bromomethane	2.930	94	144198	91.091	ug/l	97
6) Chloroethane	3.106	64	140802	89.888	ug/l	97
7) Trichlorofluoromethane	3.489	101	379462	97.500	ug/l	92
8) Diethyl Ether	3.959	74	141064	98.586	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	213828	97.714	ug/l	99
10) 1,1-Dichloroethene	4.336	96	214197	98.097	ug/l	93
11) Methyl Iodide	4.583	142	286385	99.804	ug/l	99
12) Methyl Acetate	5.024	43	276654	101.206	ug/l	100
13) Acrolein	4.177	56	263202	518.323	ug/l	99
14) Acrylonitrile	5.712	53	599763	488.367	ug/l	98
15) Acetone	4.424	58	184044	524.611	ug/l	93
16) Carbon Disulfide	4.706	76	615999	94.737	ug/l	100
17) Allyl chloride	5.018	41	352646	99.630	ug/l	93
18) Methylene Chloride	5.271	84	235470	95.730	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	224774	97.266	ug/l	93
20) Diisopropyl ether	6.671	45	758291	99.640	ug/l	97
21) 1,1-Dichloroethane	6.565	63	420888	96.384	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	261797	97.356	ug/l	98
23) tert-Butyl Alcohol	5.524	59	237527	504.229	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	732699	100.410	ug/l #	85
25) Chloroform	7.965	83	426680	96.476	ug/l	99
26) Cyclohexane	8.253	56	363184	99.442	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	312760	100.036	ug/l	99
30) 2-Butanone	7.483	43	852543	512.158	ug/l	99
31) 2,2-Dichloropropane	7.489	77	370236	100.772	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	399456	99.955	ug/l	99
33) Carbon Tetrachloride	8.359	117	347588	100.397	ug/l	97
34) Benzene	8.606	78	960915	98.185	ug/l	97
35) Methacrylonitrile	7.777	41	188397	106.088	ug/l	97
36) 1,2-Dichloroethane	8.671	62	320751	98.324	ug/l	100
37) Trichloroethene	9.353	130	224110	99.445	ug/l	93
38) Methylcyclohexane	9.600	83	359108	104.567	ug/l	99
39) 1,2-Dichloropropane	9.618	63	235798	98.802	ug/l	98
40) Dibromomethane	9.706	93	163396	97.960	ug/l	98
41) Bromodichloromethane	9.888	83	350730	99.048	ug/l	92
42) Vinyl Acetate	6.600	43	2998867	517.998	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	337577	102.827	ug/l	97
44) Isopropyl Acetate	8.688	43	553772	103.059	ug/l	99
45) 1,4-Dioxane	9.694	88	102529	2116.681	ug/l	95
46) Methyl methacrylate	9.677	41	266510	102.653	ug/l	99
47) n-amyl Acetate	12.494	43	505509	105.767	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	368556	100.723	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	391167	102.004	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	221414	98.758	ug/l	98
51) Ethyl methacrylate	10.871	69	391063	105.601	ug/l	92
52) 1,3-Dichloropropane	11.159	76	387077	98.740	ug/l	100
53) Dibromochloromethane	11.359	129	264647	99.925	ug/l	99
54) 1,2-Dibromoethane	11.465	107	230529	99.892	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	906371	539.636	ug/l	99
56) Bromoform	12.576	173	181985	103.603	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	1693999	505.272	ug/l	100
59) 2-Hexanone	11.194	43	1283238	515.092	ug/l	99
61) Tetrachloroethene	11.100	164	196676	96.610	ug/l	96
62) Toluene	10.629	91	1038960	98.609	ug/l	99
64) Chlorobenzene	11.888	112	641078	97.777	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	224096	98.384	ug/l	99
66) Ethyl Benzene	11.965	91	1181271	103.195	ug/l	100
67) m/p-Xylenes	12.071	106	878405	202.285	ug/l	99
68) o-Xylene	12.400	106	426068	101.792	ug/l	99
69) Styrene	12.412	104	739030	102.854	ug/l	99
70) Isopropylbenzene	12.694	105	1096352	102.602	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	326404	98.744	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	282274m	99.846	ug/l	
73) Bromobenzene	12.976	156	258761	99.991	ug/l	99
74) n-propylbenzene	13.035	91	1306104	102.573	ug/l	99
75) 2-Chlorotoluene	13.123	91	797168	100.748	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	925442	102.861	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	128080	105.874	ug/l	99
78) 4-Chlorotoluene	13.218	91	811956	100.932	ug/l	99
79) tert-butylbenzene	13.435	119	797890	103.950	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	940023	102.973	ug/l	99
81) sec-Butylbenzene	13.618	105	1098551	103.955	ug/l	99
82) p-Isopropyltoluene	13.729	119	929312	104.480	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	486367	101.078	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	482980	101.080	ug/l	99
85) n-Butylbenzene	14.053	91	822416	106.755	ug/l	97
86) Hexachloroethane	14.335	117	173285	101.121	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	469667	100.954	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	69709	103.123	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	249678	103.221	ug/l	96
90) Hexachlorobutadiene	15.500	225	106287	94.981	ug/l	98
91) Naphthalene	15.641	128	888428	108.388	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	249678	103.221	ug/l	96

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

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