

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041024\
 Data File : VN081681.D
 Acq On : 10 Apr 2024 14:25
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 11 09:08:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:07:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/11/2024
 Supervised By : Mahesh Dadoda 04/11/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	31494	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	223495	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	293883	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	113154	29.246	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.500%		
60) 4-Bromofluorobenzene	12.853	95	178862	30.956	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.200%		
63) Toluene-d8	10.571	98	351199	29.792	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	435509	98.964	ug/l	98
3) Chloromethane	2.359	50	342994	89.835	ug/l	97
4) Vinyl Chloride	2.512	62	401532	102.274	ug/l	100
5) Bromomethane	2.942	94	308940	92.916	ug/l	97
6) Chloroethane	3.118	64	308132	100.275	ug/l	95
7) Trichlorofluoromethane	3.512	101	464792m	72.083	ug/l	
8) Diethyl Ether	3.959	74	250222	104.083	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	431283	97.521	ug/l	71
10) 1,1-Dichloroethene	4.336	96	412586	106.781	ug/l	96
11) Methyl Iodide	4.589	142	541287	117.779	ug/l	94
12) Methyl Acetate	5.024	43	374945m	100.790	ug/l	
13) Acrolein	4.177	56	245960	501.486	ug/l	98
14) Acrylonitrile	5.718	53	945259	509.925	ug/l	98
15) Acetone	4.430	58	206107	504.283	ug/l	94
16) Carbon Disulfide	4.712	76	1137705	98.654	ug/l	97
17) Allyl chloride	5.024	41	501967	102.315	ug/l	92
18) Methylene Chloride	5.277	84	458788	98.242	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	446583	100.414	ug/l	87
20) Diisopropyl ether	6.671	45	1228153	104.804	ug/l	95
21) 1,1-Dichloroethane	6.565	63	778899	100.018	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	549045	102.231	ug/l	93
23) tert-Butyl Alcohol	5.524	59	341157	518.432	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	1336952	105.404	ug/l	97
25) Chloroform	7.965	83	876845	98.958	ug/l	99
26) Cyclohexane	8.259	56	655884	105.058	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	600006	102.116	ug/l	98
30) 2-Butanone	7.483	43	1122144	500.068	ug/l	97
31) 2,2-Dichloropropane	7.489	77	727112	99.350	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	799670	98.748	ug/l	98
33) Carbon Tetrachloride	8.365	117	713282	97.172	ug/l	97
34) Benzene	8.606	78	1877320	99.184	ug/l	98
35) Methacrylonitrile	7.777	41	249424	98.132	ug/l	90
36) 1,2-Dichloroethane	8.671	62	594562	95.768	ug/l	100
37) Trichloroethene	9.353	130	498963	99.619	ug/l	96
38) Methylcyclohexane	9.606	83	744973	103.733	ug/l	94
39) 1,2-Dichloropropane	9.624	63	432384	97.918	ug/l	100
40) Dibromomethane	9.712	93	343425	97.635	ug/l	97
41) Bromodichloromethane	9.888	83	709072	98.855	ug/l	100
42) Vinyl Acetate	6.600	43	4954734	530.031	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	504749	101.751	ug/l	99
44) Isopropyl Acetate	8.688	43	841710	101.576	ug/l	98
45) 1,4-Dioxane	9.694	88	197062	2154.292	ug/l	91
46) Methyl methacrylate	9.683	41	371514	99.698	ug/l	92
47) n-amyl Acetate	12.494	43	796820	107.163	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	718314	105.113	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	762061	103.553	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	461965	98.084	ug/l	96
51) Ethyl methacrylate	10.877	69	715068	109.036	ug/l	95
52) 1,3-Dichloropropane	11.165	76	759995	98.445	ug/l	99
53) Dibromochloromethane	11.359	129	576445	102.457	ug/l	97
54) 1,2-Dibromoethane	11.471	107	490658	100.784	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	1770475	549.760	ug/l	98
56) Bromoform	12.582	173	377460	104.921	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	2584240	511.334	ug/l	95
59) 2-Hexanone	11.200	43	1945185	512.494	ug/l	95
61) Tetrachloroethene	11.106	164	545937	100.254	ug/l	95
62) Toluene	10.630	91	2145755	100.360	ug/l	100
64) Chlorobenzene	11.894	112	1377663	101.617	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	490860	99.672	ug/l	98
66) Ethyl Benzene	11.965	91	2416432	106.301	ug/l	97
67) m/p-Xylenes	12.071	106	1905691	211.640	ug/l	95
68) o-Xylene	12.400	106	923991	108.093	ug/l	94
69) Styrene	12.412	104	1572679	108.029	ug/l	96
70) Isopropylbenzene	12.700	105	2367546	107.358	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	568366	98.663	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	550377m	67.745	ug/l	
73) Bromobenzene	12.982	156	565006	103.397	ug/l	90
74) n-propylbenzene	13.035	91	2809761	106.381	ug/l	98
75) 2-Chlorotoluene	13.129	91	1630782	103.695	ug/l	92
76) 1,3,5-Trimethylbenzene	13.176	105	1996019	106.638	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	239401	108.392	ug/l	96
78) 4-Chlorotoluene	13.223	91	1632463	104.656	ug/l	93
79) tert-butylbenzene	13.441	119	1728299	108.533	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	1992046	106.716	ug/l	96
81) sec-Butylbenzene	13.618	105	2485276	108.218	ug/l	99
82) p-Isopropyltoluene	13.729	119	2104443	109.262	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	1068296	104.608	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	1034309	104.627	ug/l	98
85) n-Butylbenzene	14.059	91	1814670	111.854	ug/l	100
86) Hexachloroethane	14.335	117	389065	105.736	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	1015746	104.493	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	129994	103.513	ug/l	94
89) 1,2,4-Trichlorobenzene	15.841	180	590596	110.087	ug/l	100
90) Hexachlorobutadiene	15.500	225	219538	102.821	ug/l	99
91) Naphthalene	15.641	128	2011986	117.456	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	590596	110.847	ug/l	100

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

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