

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078368.D
 Acq On : 23 Jun 2023 10:46
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 24 00:32:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:28:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	93078	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	510366	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	472868	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	203568	29.043	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.800%		
60) 4-Bromofluorobenzene	12.853	95	208710	31.328	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.433%		
63) Toluene-d8	10.571	98	660062	28.809	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.033%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	524475	93.034	ug/l	99
3) Chloromethane	2.371	50	636844	93.672	ug/l	96
4) Vinyl Chloride	2.524	62	757625	90.593	ug/l	94
5) Bromomethane	2.948	94	600219	88.285	ug/l	100
6) Chloroethane	3.118	64	487085	81.769	ug/l	100
7) Trichlorofluoromethane	3.500	101	911965	92.652	ug/l	99
8) Diethyl Ether	3.971	74	319820	97.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	502546	93.925	ug/l	100
10) 1,1-Dichloroethene	4.353	96	497368	94.803	ug/l	96
11) Methyl Iodide	4.600	142	751334	101.088	ug/l	99
12) Methyl Acetate	5.036	43	761430	93.580	ug/l	98
13) Acrolein	4.189	56	485888	476.768	ug/l	97
14) Acrylonitrile	5.730	53	1096428	490.791	ug/l	97
15) Acetone	4.436	58	280698	448.666	ug/l	93
16) Carbon Disulfide	4.724	76	1360444	94.897	ug/l	97
17) Allyl chloride	5.036	41	639904	97.050	ug/l	97
18) Methylene Chloride	5.283	84	566632	91.148	ug/l	95
19) trans-1,2-Dichloroethene	5.794	96	544312	94.011	ug/l	96
20) Diisopropyl ether	6.683	45	1543017	97.620	ug/l	99
21) 1,1-Dichloroethane	6.577	63	994811	94.884	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	639315	97.063	ug/l	98
23) tert-Butyl Alcohol	5.530	59	377558	459.688	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	1621048	97.995	ug/l	100
25) Chloroform	7.971	83	1068667	96.451	ug/l	98
26) Cyclohexane	8.265	56	760339	101.331	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	790707	99.943	ug/l	99
30) 2-Butanone	7.488	43	1372742	495.019	ug/l	98
31) 2,2-Dichloropropane	7.500	77	847509	100.189	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	945907	98.121	ug/l	99
33) Carbon Tetrachloride	8.371	117	852290	101.400	ug/l	94
34) Benzene	8.612	78	2341855	99.263	ug/l	98
35) Methacrylonitrile	7.788	41	318498	100.083	ug/l	90
36) 1,2-Dichloroethane	8.677	62	793571	98.658	ug/l	99
37) Trichloroethene	9.359	130	603097	100.053	ug/l	99
38) Methylcyclohexane	9.606	83	721488	103.798	ug/l	99
39) 1,2-Dichloropropane	9.630	63	588184	99.526	ug/l	99
40) Dibromomethane	9.712	93	415983	97.544	ug/l	99
41) Bromodichloromethane	9.894	83	844474	101.930	ug/l	95
42) Vinyl Acetate	6.612	43	4577099	518.127	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	578932	101.781	ug/l	97
44) Isopropyl Acetate	8.694	43	1042807	98.881	ug/l	99
45) 1,4-Dioxane	9.700	88	187070	2059.257	ug/l	96
46) Methyl methacrylate	9.688	41	482865	102.858	ug/l	95
47) n-amyl Acetate	12.500	43	881600	113.720	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	916900	107.815	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	976720	104.194	ug/l	99
50) 1,1,2-Trichloroethane	11.024	97	567127	99.199	ug/l	96
51) Ethyl methacrylate	10.876	69	848990	108.553	ug/l	95
52) 1,3-Dichloropropane	11.171	76	971545	101.254	ug/l	98
53) Dibromochloromethane	11.365	129	639679	105.491	ug/l	99
54) 1,2-Dibromoethane	11.476	107	588258	102.089	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	1685544	584.171	ug/l	98
56) Bromoform	12.582	173	414128	111.570	ug/l	96
58) 4-Methyl-2-Pentanone	10.453	43	3017511	477.854	ug/l	99
59) 2-Hexanone	11.200	43	2134914	489.529	ug/l	99
61) Tetrachloroethene	11.112	164	484167	93.440	ug/l	97
62) Toluene	10.635	91	2643590	96.059	ug/l	100
64) Chlorobenzene	11.894	112	1576028	96.620	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	594423	94.505	ug/l	99
66) Ethyl Benzene	11.971	91	2851775	101.837	ug/l	99
67) m/p-Xylenes	12.076	106	2154428	203.471	ug/l	99
68) o-Xylene	12.400	106	1051887	102.448	ug/l	98
69) Styrene	12.418	104	1739239	106.984	ug/l	99
70) Isopropylbenzene	12.700	105	2579651	102.247	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	773745	94.307	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	705297m	97.521	ug/l	
73) Bromobenzene	12.982	156	613433	101.696	ug/l	100
74) n-propylbenzene	13.041	91	2914494	106.234	ug/l	99
75) 2-Chlorotoluene	13.129	91	1812324	97.587	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	2057815	98.363	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	253060	114.482	ug/l	93
78) 4-Chlorotoluene	13.223	91	1826590	105.104	ug/l	100
79) tert-butylbenzene	13.441	119	1651198	95.948	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	2024927	102.434	ug/l	98
81) sec-Butylbenzene	13.617	105	2188285	101.926	ug/l	99
82) p-Isopropyltoluene	13.735	119	1814429	105.070	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	1043879	109.188	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	1017761	110.104	ug/l	99
85) n-Butylbenzene	14.059	91	1409974	110.537	ug/l	99
86) Hexachloroethane	14.335	117	342874	103.158	ug/l	99
87) 1,2-Dichlorobenzene	14.112	146	1016784	107.293	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	128141	103.657	ug/l	98
89) 1,2,4-Trichlorobenzene	15.394	180	376750	130.381	ug/l	98
90) Hexachlorobutadiene	15.506	225	165145	84.063	ug/l	99
91) Naphthalene	15.647	128	1266507	133.761	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	399058	119.373	ug/l	96

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

