

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078924.D
 Acq On : 17 Aug 2023 14:15
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 18 05:06:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:01:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	45197	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	252598	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	228913	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	107737	29.423	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.067%		
60) 4-Bromofluorobenzene	12.853	95	104205	31.207	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.033%		
63) Toluene-d8	10.571	98	314674	29.436	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.133%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	140292	49.190	ug/l	98
3) Chloromethane	2.365	50	163691	47.891	ug/l	99
4) Vinyl Chloride	2.512	62	164341	48.580	ug/l	97
5) Bromomethane	2.936	94	96002	45.975	ug/l	96
6) Chloroethane	3.106	64	107558	48.927	ug/l	94
7) Trichlorofluoromethane	3.489	101	224476	49.267	ug/l	100
8) Diethyl Ether	3.959	74	86704	50.595	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	117404	49.391	ug/l	89
10) 1,1-Dichloroethene	4.342	96	118330	49.083	ug/l #	85
11) Methyl Iodide	4.589	142	148773	51.498	ug/l	94
12) Methyl Acetate	5.030	43	285883	50.946	ug/l	96
13) Acrolein	4.177	56	86639	221.512	ug/l	99
14) Acrylonitrile	5.724	53	385652	261.442	ug/l #	92
15) Acetone	4.436	58	105701	233.332	ug/l	93
16) Carbon Disulfide	4.712	76	326365	47.446	ug/l	98
17) Allyl chloride	5.030	41	208774	48.546	ug/l	96
18) Methylene Chloride	5.283	84	141806	49.548	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	129716	48.143	ug/l	97
20) Diisopropyl ether	6.677	45	481144	50.408	ug/l #	92
21) 1,1-Dichloroethane	6.571	63	267004	50.412	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	157879	51.196	ug/l	98
23) tert-Butyl Alcohol	5.536	59	142540	259.055	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	432826	50.907	ug/l	99
25) Chloroform	7.971	83	268000	50.228	ug/l	94
26) Cyclohexane	8.265	56	199407	51.468	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	197976	51.522	ug/l	99
30) 2-Butanone	7.489	43	566426	251.803	ug/l	99
31) 2,2-Dichloropropane	7.494	77	217852	51.298	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	231218	50.400	ug/l	97
33) Carbon Tetrachloride	8.365	117	203197	51.135	ug/l	94
34) Benzene	8.612	78	578122	50.206	ug/l	100
35) Methacrylonitrile	7.783	41	128755	53.703	ug/l	95
36) 1,2-Dichloroethane	8.677	62	217253	50.381	ug/l	97
37) Trichloroethene	9.359	130	142857	49.839	ug/l	93
38) Methylcyclohexane	9.606	83	178687	52.819	ug/l	98
39) 1,2-Dichloropropane	9.630	63	155841	50.243	ug/l	95
40) Dibromomethane	9.712	93	105419	50.703	ug/l	98
41) Bromodichloromethane	9.894	83	211393	50.558	ug/l	95
42) Vinyl Acetate	6.606	43	1655902	261.091	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	228980	53.527	ug/l	100
44) Isopropyl Acetate	8.694	43	384471	49.999	ug/l	99
45) 1,4-Dioxane	9.694	88	61259	1058.649	ug/l	95
46) Methyl methacrylate	9.688	41	184058	54.327	ug/l	95
47) n-amyl Acetate	12.500	43	325651	55.187	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	231930	52.082	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	249384	52.226	ug/l	96
50) 1,1,2-Trichloroethane	11.024	97	144495	51.428	ug/l	98
51) Ethyl methacrylate	10.882	69	230729	53.057	ug/l	99
52) 1,3-Dichloropropane	11.171	76	254862	50.644	ug/l	100
53) Dibromochloromethane	11.365	129	157883	51.342	ug/l	98
54) 1,2-Dibromoethane	11.471	107	146025	50.623	ug/l	93
55) 2-Chloroethyl vinyl ether	10.165	63	514506	255.968	ug/l	99
56) Bromoform	12.582	173	113932	52.511	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1176844	259.119	ug/l	100
59) 2-Hexanone	11.200	43	864050	259.659	ug/l	100
61) Tetrachloroethene	11.112	164	111690	50.391	ug/l	95
62) Toluene	10.635	91	632539	50.613	ug/l	98
64) Chlorobenzene	11.894	112	374936	49.897	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.965	131	146004	50.816	ug/l	98
66) Ethyl Benzene	11.971	91	677944	51.860	ug/l	98
67) m/p-Xylenes	12.076	106	510058	104.645	ug/l	97
68) o-Xylene	12.400	106	252459	52.531	ug/l	99
69) Styrene	12.418	104	417951	53.521	ug/l	98
70) Isopropylbenzene	12.700	105	611212	52.489	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	219826	50.359	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	183865m	48.066	ug/l	
73) Bromobenzene	12.988	156	152378	51.400	ug/l	97
74) n-propylbenzene	13.041	91	710903	53.868	ug/l	100
75) 2-Chlorotoluene	13.129	91	441882	52.779	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	490622	53.150	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	73643	55.336	ug/l	89
78) 4-Chlorotoluene	13.223	91	430628	53.688	ug/l	99
79) tert-butylbenzene	13.441	119	421793	54.073	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	489683	53.950	ug/l	98
81) sec-Butylbenzene	13.623	105	551102	53.534	ug/l	98
82) p-Isopropyltoluene	13.735	119	460690	54.812	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	262023	54.767	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	252919	53.845	ug/l	98
85) n-Butylbenzene	14.059	91	371309	56.169	ug/l	99
86) Hexachloroethane	14.341	117	88589	51.513	ug/l	98
87) 1,2-Dichlorobenzene	14.112	146	261030	53.269	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	41197	52.581	ug/l	92
89) 1,2,4-Trichlorobenzene	15.847	180	104296	53.880	ug/l	99
90) Hexachlorobutadiene	15.506	225	49245	48.876	ug/l	94
91) Naphthalene	15.647	128	323401	57.940	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	104296	53.893	ug/l	99

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

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