

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
 Data File : VN077167.D
 Acq On : 23 Mar 2023 23:22
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Mar 24 04:57:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 04:51:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/24/2023
 Supervised By :Semsettin Yesilyurt 03/27/2023

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

Internal Standards						
1) Bromochloromethane	7.819	128	44300	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	291986	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	329074	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	128345	30.802	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.667%	
60) 4-Bromofluorobenzene	12.854	95	181627	29.498	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.333%	
63) Toluene-d8	10.572	98	350170	30.059	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	152722	29.432	ug/l	100
3) Chloromethane	2.372	50	232646	43.414	ug/l	99
4) Vinyl Chloride	2.525	62	327105	64.130	ug/l	95
5) Bromomethane	2.949	94	205763	60.931	ug/l	83
6) Chloroethane	3.125	64	319190	95.333	ug/l	94
7) Trichlorofluoromethane	3.501	101	450218	49.635	ug/l	99
8) Diethyl Ether	3.972	74	157888	47.366	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	228071	45.198	ug/l	98
10) 1,1-Dichloroethene	4.354	96	220817	45.282	ug/l	95
11) Methyl Iodide	4.601	142	236061	41.704	ug/l	96
12) Methyl Acetate	5.037	43	488551	57.625	ug/l	96
13) Acrolein	4.195	56	328580	265.896	ug/l	99
14) Acrylonitrile	5.731	53	726428	264.335	ug/l	98
15) Acetone	4.443	58	188428	254.766	ug/l	98
16) Carbon Disulfide	4.719	76	618337	45.819	ug/l	96
17) Allyl chloride	5.037	41	385615	51.475	ug/l	90
18) Methylene Chloride	5.284	84	269458	46.561	ug/l	92
19) trans-1,2-Dichloroethene	5.795	96	238477	46.416	ug/l	95
20) Diisopropyl ether	6.684	45	885683	52.117	ug/l	94
21) 1,1-Dichloroethane	6.578	63	487610	48.728	ug/l	96
22) cis-1,2-Dichloroethene	7.495	96	278772	47.080	ug/l	98
23) tert-Butyl Alcohol	5.531	59	246744	301.258	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	789243	49.164	ug/l	100
25) Chloroform	7.972	83	487406	47.540	ug/l	97
26) Cyclohexane	8.266	56	426965	47.624	ug/l #	97
29) 1,1-Dichloropropene	8.378	75	362987	51.414	ug/l	98
30) 2-Butanone	7.489	43	1046818	307.668	ug/l	98
31) 2,2-Dichloropropane	7.495	77	326040	47.360	ug/l #	62
32) 1,1,1-Trichloroethane	8.172	97	425381	51.424	ug/l	98
33) Carbon Tetrachloride	8.372	117	358539	49.310	ug/l	95
34) Benzene	8.613	78	1078919	49.794	ug/l	97
35) Methacrylonitrile	7.789	41	224920	59.034	ug/l	98
36) 1,2-Dichloroethane	8.678	62	400508	53.885	ug/l	98
37) Trichloroethene	9.360	130	244133	46.591	ug/l	95
38) Methylcyclohexane	9.607	83	435500	50.509	ug/l	98
39) 1,2-Dichloropropane	9.625	63	290717	51.916	ug/l	97
40) Dibromomethane	9.713	93	185419	51.872	ug/l	96
41) Bromodichloromethane	9.895	83	379256	51.922	ug/l	98
42) Vinyl Acetate	6.613	43	3116027	299.423	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	416315	61.012	ug/l	99
44) Isopropyl Acetate	8.695	43	661986	59.995	ug/l	99
45) 1,4-Dioxane	9.701	88	112207	1201.647	ug/l	94
46) Methyl methacrylate	9.683	41	321096	60.118	ug/l	97
47) n-amyl Acetate	12.495	43	576047	64.526	ug/l	97
48) t-1,3-Dichloropropene	10.836	75	392207	53.821	ug/l	98
49) cis-1,3-Dichloropropene	10.319	75	429402	52.166	ug/l	98
50) 1,1,2-Trichloroethane	11.019	97	263369	50.437	ug/l	97
51) Ethyl methacrylate	10.877	69	422605	55.335	ug/l	95
52) 1,3-Dichloropropane	11.166	76	470081	52.291	ug/l	100
53) Dibromochloromethane	11.360	129	276135	52.208	ug/l	98
54) 1,2-Dibromoethane	11.471	107	258479	51.454	ug/l	99
55) 2-Chloroethyl vinyl ether	10.166	63	871731	313.040	ug/l	98
56) Bromoform	12.583	173	195997	55.593	ug/l	99
58) 4-Methyl-2-Pentanone	10.448	43	2157474	301.696	ug/l	97
59) 2-Hexanone	11.201	43	1595227	312.436	ug/l	98
61) Tetrachloroethene	11.107	164	211392	41.686	ug/l	96
62) Toluene	10.636	91	1153846	49.804	ug/l	99
64) Chlorobenzene	11.895	112	689117	50.664	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.966	131	254075	49.600	ug/l	97
66) Ethyl Benzene	11.966	91	1294784	51.781	ug/l	97
67) m/p-Xylenes	12.077	106	997600	105.373	ug/l	95
68) o-Xylene	12.401	106	486528	52.604	ug/l	98
69) Styrene	12.413	104	797732	53.477	ug/l	99
70) Isopropylbenzene	12.701	105	1279803	53.267	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	409836	54.872	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	364345m	53.040	ug/l	
73) Bromobenzene	12.983	156	282543	51.877	ug/l	94
74) n-propylbenzene	13.042	91	1498584	53.181	ug/l	100
75) 2-Chlorotoluene	13.130	91	886823	50.856	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	1082914	52.255	ug/l	95
77) t-1,4-Dichloro-2-butene	12.742	75	118117	57.635	ug/l	99
78) 4-Chlorotoluene	13.224	91	857252	51.091	ug/l	96
79) tert-butylbenzene	13.442	119	912275	52.558	ug/l	96
80) 1,2,4-Trimethylbenzene	13.489	105	1070934	52.805	ug/l	97
81) sec-Butylbenzene	13.618	105	1330897	53.910	ug/l	99
82) p-Isopropyltoluene	13.736	119	1079230	54.312	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	531447	52.901	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	508050	52.303	ug/l	96
85) n-Butylbenzene	14.060	91	917873	54.816	ug/l	98
86) Hexachloroethane	14.336	117	194247	53.699	ug/l	95
87) 1,2-Dichlorobenzene	14.112	146	520566	52.109	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	79425	55.116	ug/l	98
89) 1,2,4-Trichlorobenzene	15.395	180	252755	49.587	ug/l	96
90) Hexachlorobutadiene	15.507	225	134888	49.094	ug/l	95
91) Naphthalene	15.642	128	854145	52.770	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	251209	49.143	ug/l	98

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

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