Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
Data File : VU055225.D
Acq On : 11 Sep 2023 09:10
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 09:34:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Sep 11 09:34:40 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.113	96	58265	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.634	95	23699	1.127	ug/l		0.00
Spiked Amount 1.000			Recovery = 113.000%				
68) 1,2-Dichlorobenzene-d4	12.194	152	19319	0.915	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.384	85	9764	0.464	ug/l		93
3) Chloromethane	1.516	50	11486	0.535	ug/l		96
4) Vinyl Chloride	1.602	62	11196	0.494	ug/l		100
5) Bromomethane	1.853	94	10400	0.542	ug/l		93
6) Chloroethane	1.930	64	6609	0.456	ug/l	#	85
7) Trichlorofluoromethane	2.136	101	15140	0.446	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.577	101	7537	0.448	ug/l		97
9) 1,1-Dichloroethene	2.577	96	7129	0.463	ug/l		94
10) Iodomethane	2.721	142	5671	0.363	ug/l		97
11) Allyl Chloride	2.917	41	8188	0.471	ug/l	#	81
12) Acrylonitrile	3.339	53	2552m	0.853	ug/l		
13) Acetone	2.628	43	13960	2.380	ug/l		90
14) Carbon Disulfide	2.792	76	22361	0.474	ug/l		99
15) Methylene Chloride	3.043	84	8839	0.243	ug/l		96
16) trans-1,2-Dichloroethene	3.355	96	7965	0.501	ug/l		98
17) 1,1-Dichloroethane	3.866	63	15505	0.534	ug/l		97
18) 2-Butanone	4.724	43	12890	2.160	ug/l		97
19) Cyclohexane	5.383	56	10623	0.444	ug/l	#	81
20) Methylcyclohexane	6.763	83	12350	0.414	ug/l		97
21) 2,2-Dichloropropane	4.663	77	12082	0.486	ug/l		100
22) cis-1,2-Dichloroethene	4.673	96	13981	0.809	ug/l		98
23) Diethyl Ether	2.374	59	5470	0.448	ug/l		96
24) tert-Butyl Alcohol	3.194	59	4443	4.001	ug/l	#	1
25) Methyl tert-Butyl Ether	3.361	73	14815	0.434	ug/l		98
26) Bromochloromethane	4.975	128	3649	0.524	ug/l		94
27) Chloroform	5.084	83	16522	0.548	ug/l		96
28) 1,1,1-Trichloroethane	5.313	97	13915	0.536	ug/l		99
29) 1,1-Dichloropropene	5.528	75	10531	0.468	ug/l		95
30) Carbon Tetrachloride	5.522	117	11724	0.567	ug/l		96
31) Isopropyl Ether	3.988	45	18525	0.464	ug/l		98
32) Ethyl-t-butyl ether	4.493	59	18019	0.439	ug/l		99
33) Tert-Amyl methyl ether	5.937	73	15377	0.422	ug/l	#	90
34) Propionitrile	4.811	54	1579	1.569	ug/l	#	6
35) Benzene	5.776	78	32620	0.496	ug/l		96
36) 1,2-Dichloroethane	5.798	62	9705	0.514	ug/l		96
37) Trichloroethene	6.541	130	11129	0.673	ug/l		90
38) 1,2-Dichloropropane	6.789	63	8633	0.512	ug/l		92
39) Methacrylonitrile	4.998	41	1568m	0.382	ug/l		
40) Methyl acrylate	4.898	55	2089m	0.281	ug/l		
41) Tetrahydrofuran	5.075	42	2083	0.971	ug/l	#	71
42) 1-Chlorobutane	5.461	56	12691	0.424	ug/l		90
43) Dibromomethane	6.920	93	4167	0.519	ug/l		92
44) Bromodichloromethane	7.107	83	10401	0.518	ug/l		89

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	18729	2.249	ug/l		94
46) t-1,4-Dichloro-2-butene	10.833	75	2712m	0.594	ug/l		
47) Methyl methacrylate	6.969	69	5059	0.685	ug/l		89
48) Ethyl methacrylate	8.338	69	5144	0.359	ug/l		95
49) Toluene	7.969	92	18278	0.454	ug/l		100
50) t-1,3-Dichloropropene	8.216	75	8014	0.431	ug/l		99
51) cis-1,3-Dichloropropene	7.609	75	10344	0.449	ug/l		94
52) 1,1,2-Trichloroethane	8.399	97	5893	0.506	ug/l		95
53) 1,3-Dichloropropane	8.576	76	9756	0.486	ug/l		99
54) 2-Hexanone	8.689	43	18600	2.129	ug/l		97
55) Dibromochloromethane	8.808	129	6323	0.534	ug/l		95
56) 1,2-Dibromoethane	8.927	107	5244	0.489	ug/l		93
58) Tetrachloroethene	8.554	164	10518	0.680	ug/l		96
59) Chlorobenzene	9.451	112	21208	0.478	ug/l		90
60) 1,1,1,2-Tetrachloroethane	9.531	131	7066	0.524	ug/l		97
61) Pentachloroethane	11.422	117	3426	0.362	ug/l		86
62) Hexachloroethane	12.473	117	4591	0.421	ug/l		94
63) Ethyl Benzene	9.570	91	33916	0.436	ug/l		99
64) m/p-Xylenes	9.695	106	25087	0.843	ug/l		93
65) o-Xylene	10.100	106	12722	0.437	ug/l		100
66) Styrene	10.116	104	17275	0.386	ug/l		92
67) Bromoform	10.290	173	2974	0.533	ug/l	#	92
69) Isopropylbenzene	10.483	105	31299	0.411	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.782	83	5857	0.418	ug/l	#	99
71) 1,2,3-Trichloropropane	10.824	75	5318m	0.503	ug/l		
72) Bromobenzene	10.782	156	7638	0.478	ug/l		97
73) n-propylbenzene	10.907	120	7684	0.381	ug/l		92
74) 2-Chlorotoluene	10.988	126	7838	0.450	ug/l		91
75) 1,3,5-Trimethylbenzene	11.087	105	25862	0.404	ug/l		97
76) 4-Chlorotoluene	11.100	126	7406	0.410	ug/l		90
77) tert-Butylbenzene	11.419	119	22742	0.383	ug/l		93
78) 1,2,4-Trimethylbenzene	11.470	105	23419	0.359	ug/l		95
79) sec-Butylbenzene	11.640	105	31017	0.363	ug/l		100
81) p-Isopropyltoluene	11.792	119	23934	0.356	ug/l		96
82) 1,3-Dichlorobenzene	11.747	146	16277	0.478	ug/l		95
83) 1,4-Dichlorobenzene	11.837	146	15362	0.446	ug/l		98
84) n-Butylbenzene	12.210	91	20272	0.306	ug/l		100
85) 1,2-Dichlorobenzene	12.213	146	14850	0.460	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	978	0.460	ug/l	#	73
87) 1,2,4-Trichlorobenzene	13.843	180	7463	0.397	ug/l		96
88) Hexachlorobutadiene	14.020	225	5625	0.625	ug/l		96
89) Naphthalene	14.094	128	8598	0.227	ug/l		97
90) 1,2,3-Trichlorobenzene	14.332	180	6579	0.406	ug/l		92

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

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