Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
Data File : VU063243.D
Acq On : 11 Feb 2025 18:15
Operator : MD/SY
Sample : Q1168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 04:11:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Feb 12 04:10:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.106	96	50314	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14381	0.867	ug/l	0.00
Spiked Amount 1.000			Recovery = 87.000%			
68) 1,2-Dichlorobenzene-d4	12.183	152	15582	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery = 90.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5801	0.355	ug/l	93
3) Chloromethane	1.518	50	7536	0.400	ug/l	98
4) Vinyl Chloride	1.599	62	6902	0.371	ug/l	97
5) Bromomethane	1.846	94	3814	0.419	ug/l	98
6) Chloroethane	1.923	64	4380	0.373	ug/l	96
7) Trichlorofluoromethane	2.129	101	7582	0.344	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4581	0.366	ug/l	94
9) 1,1-Dichloroethene	2.570	96	4478	0.351	ug/l	94
10) Iodomethane	2.711	142	6802	0.339	ug/l	99
11) Allyl Chloride	2.914	41	6218	0.339	ug/l	98
12) Acrylonitrile	3.332	53	1901m	0.646	ug/l	
13) Acetone	2.618	43	4016	1.774	ug/l	88
14) Carbon Disulfide	2.785	76	16405	0.368	ug/l	98
15) Methylene Chloride	3.036	84	6327	0.401	ug/l	92
16) trans-1,2-Dichloroethene	3.348	96	5011	0.344	ug/l	97
17) 1,1-Dichloroethane	3.865	63	9948	0.362	ug/l	97
18) 2-Butanone	4.746	43	5877m	1.631	ug/l	
19) Cyclohexane	5.373	56	6907m	0.313	ug/l	
20) Methylcyclohexane	6.753	83	7092	0.324	ug/l	97
21) 2,2-Dichloropropane	4.647	77	7898	0.369	ug/l	96
22) cis-1,2-Dichloroethene	4.660	96	5620	0.357	ug/l	95
23) Diethyl Ether	2.370	59	3782	0.345	ug/l	99
24) tert-Butyl Alcohol	3.171	59	10675	8.012	ug/l #	80
25) Methyl tert-Butyl Ether	3.354	73	10417	0.327	ug/l	94
26) Bromochloromethane	4.975	128	2519	0.366	ug/l	89
27) Chloroform	5.081	83	10167	0.367	ug/l	89
28) 1,1,1-Trichloroethane	5.303	97	7835	0.349	ug/l	97
29) 1,1-Dichloropropene	5.518	75	6955	0.346	ug/l	96
30) Carbon Tetrachloride	5.512	117	6817	0.354	ug/l	98
31) Isopropyl Ether	3.978	45	12761	0.326	ug/l	93
32) Ethyl-t-butyl ether	4.483	59	10976	0.308	ug/l	95
33) Tert-Amyl methyl ether	5.930	73	9506	0.305	ug/l	98
34) Propionitrile	4.804	54	1376m	1.266	ug/l	
35) Benzene	5.766	78	20771	0.336	ug/l	94
36) 1,2-Dichloroethane	5.791	62	6014	0.337	ug/l #	94
37) Trichloroethene	6.537	130	5322	0.362	ug/l	96
38) 1,2-Dichloropropane	6.785	63	5547	0.343	ug/l	91
39) Methacrylonitrile	5.010	41	1284m	0.317	ug/l	
40) Methyl acrylate	4.894	55	2337m	0.313	ug/l	
41) Tetrahydrofuran	5.061	42	1706	0.724	ug/l #	78
42) 1-Chlorobutane	5.451	56	8833	0.321	ug/l	95
43) Dibromomethane	6.914	93	2658	0.324	ug/l	97
44) Bromodichloromethane	7.097	83	6826	0.358	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Feb 12 04:10:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	12251	1.426	ug/l		94
46) t-1,4-Dichloro-2-butene	10.823	75	2473m	0.612	ug/l		
47) Methyl methacrylate	6.965	69	3831	0.555	ug/l		93
48) Ethyl methacrylate	8.335	69	3206m	0.247	ug/l		
49) Toluene	7.965	92	11467	0.323	ug/l		98
50) t-1,3-Dichloropropene	8.209	75	5411	0.310	ug/l		100
51) cis-1,3-Dichloropropene	7.602	75	7203	0.334	ug/l		97
52) 1,1,2-Trichloroethane	8.389	97	3877	0.351	ug/l		92
53) 1,3-Dichloropropane	8.569	76	6711	0.342	ug/l		98
54) 2-Hexanone	8.688	43	8139m	1.388	ug/l		
55) Dibromochloromethane	8.801	129	4368	0.344	ug/l		90
56) 1,2-Dibromoethane	8.920	107	3424	0.330	ug/l		92
58) Tetrachloroethene	8.547	164	4411	0.364	ug/l		92
59) Chlorobenzene	9.441	112	11796	0.314	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.524	131	4764	0.353	ug/l		97
61) Pentachloroethane	11.415	117	3833	0.318	ug/l		98
62) Hexachloroethane	12.463	117	3192	0.299	ug/l		96
63) Ethyl Benzene	9.563	91	18559	0.287	ug/l		99
64) m/p-Xylenes	9.688	106	13289	0.550	ug/l		93
65) o-Xylene	10.097	106	6626	0.280	ug/l		99
66) Styrene	10.113	104	9641	0.256	ug/l		97
67) Bromoform	10.280	173	2378	0.330	ug/l	#	95
69) Isopropylbenzene	10.476	105	15598	0.280	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.772	83	4984	0.335	ug/l		92
71) 1,2,3-Trichloropropane	10.817	75	4205m	0.376	ug/l		
72) Bromobenzene	10.778	156	4949	0.330	ug/l		83
73) n-propylbenzene	10.900	120	4474	0.281	ug/l		95
74) 2-Chlorotoluene	10.984	126	4308	0.294	ug/l		97
75) 1,3,5-Trimethylbenzene	11.081	105	12865	0.250	ug/l		98
76) 4-Chlorotoluene	11.093	126	4067	0.270	ug/l		100
77) tert-Butylbenzene	11.409	119	14489	0.278	ug/l		100
78) 1,2,4-Trimethylbenzene	11.463	105	12578	0.246	ug/l		99
79) sec-Butylbenzene	11.634	105	18183	0.274	ug/l		98
81) p-Isopropyltoluene	11.785	119	12217	0.233	ug/l		97
82) 1,3-Dichlorobenzene	11.743	146	8964	0.308	ug/l		96
83) 1,4-Dichlorobenzene	11.836	146	8909	0.313	ug/l		98
84) n-Butylbenzene	12.203	91	12155	0.259	ug/l		99
85) 1,2-Dichlorobenzene	12.206	146	8585	0.307	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	572	0.274	ug/l	#	80
87) 1,2,4-Trichlorobenzene	13.846	180	3749	0.275	ug/l	#	94
88) Hexachlorobutadiene	14.010	225	3356	0.345	ug/l		95
89) Naphthalene	14.100	128	6425m	0.293	ug/l		
90) 1,2,3-Trichlorobenzene	14.325	180	5130	0.385	ug/l		99

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

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