Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
Data File : VU055234.D
Acq On : 11 Sep 2023 14:12
Operator : MD/SY
Sample : VU0911WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 09:00:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Sep 12 08:56:31 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	59122	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	21459	0.935	ug/l	0.00
Spiked Amount 1.000			Recovery =	94.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	21156	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.384	85	38200	1.867	ug/l	98
3) Chloromethane	1.515	50	41242	1.927	ug/l	100
4) Vinyl Chloride	1.602	62	39729	1.773	ug/l	98
5) Bromomethane	1.850	94	36527	2.065	ug/l	98
6) Chloroethane	1.927	64	27027	1.904	ug/l	99
7) Trichlorofluoromethane	2.133	101	59149	1.900	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	29948	1.899	ug/l	97
9) 1,1-Dichloroethene	2.576	96	26663	1.848	ug/l	94
10) Iodomethane	2.718	142	31493	1.701	ug/l	96
11) Allyl Chloride	2.920	41	33412	1.853	ug/l	83
12) Acrylonitrile	3.326	53	9589	3.497	ug/l #	87
13) Acetone	2.628	43	38174	8.032	ug/l	98
14) Carbon Disulfide	2.789	76	86667	1.854	ug/l	99
15) Methylene Chloride	3.039	84	38861	2.250	ug/l	97
16) trans-1,2-Dichloroethene	3.351	96	30578	1.778	ug/l	96
17) 1,1-Dichloroethane	3.866	63	58193	1.777	ug/l	99
18) 2-Butanone	4.708	43	45850	8.459	ug/l	97
19) Cyclohexane	5.387	56	43304	1.791	ug/l	87
20) Methylcyclohexane	6.763	83	54727	1.820	ug/l	99
21) 2,2-Dichloropropane	4.660	77	44269	1.678	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	35291	1.604	ug/l	95
23) Diethyl Ether	2.374	59	24109	2.051	ug/l	95
24) tert-Butyl Alcohol	3.184	59	20077m	21.980	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	65169	1.960	ug/l	99
26) Bromochloromethane	4.975	128	13649	1.704	ug/l	96
27) Chloroform	5.084	83	61829	1.785	ug/l	95
28) 1,1,1-Trichloroethane	5.313	97	51506	1.728	ug/l	96
29) 1,1-Dichloropropene	5.525	75	44295	1.791	ug/l	97
30) Carbon Tetrachloride	5.522	117	45339	1.750	ug/l	96
31) Isopropyl Ether	3.988	45	75830	1.763	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	76504	1.840	ug/l	99
33) Tert-Amyl methyl ether	5.940	73	71861	1.962	ug/l	97
34) Propionitrile	4.789	54	10288m	10.488	ug/l	
35) Benzene	5.772	78	139120	1.904	ug/l	99
36) 1,2-Dichloroethane	5.792	62	40668	1.995	ug/l #	90
37) Trichloroethene	6.541	130	39452	1.848	ug/l	93
38) 1,2-Dichloropropane	6.789	63	36693	1.914	ug/l	98
39) Methacrylonitrile	4.978	41	7776	1.988	ug/l #	95
40) Methyl acrylate	4.863	55	11718	1.850	ug/l #	94
41) Tetrahydrofuran	5.068	42	8746	4.030	ug/l	97
42) 1-Chlorobutane	5.457	56	59123	1.854	ug/l	99
43) Dibromomethane	6.917	93	17723	1.955	ug/l	95
44) Bromodichloromethane	7.104	83	44905	1.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	91095	10.594	ug/l		97
46) t-1,4-Dichloro-2-butene	10.833	75	11176m	3.478	ug/l		
47) Methyl methacrylate	6.962	69	28733	4.125	ug/l		97
48) Ethyl methacrylate	8.335	69	27413	2.026	ug/l		99
49) Toluene	7.969	92	84781	1.913	ug/l		97
50) t-1,3-Dichloropropene	8.210	75	37778	1.912	ug/l		96
51) cis-1,3-Dichloropropene	7.608	75	46130	1.861	ug/l		97
52) 1,1,2-Trichloroethane	8.399	97	26084	2.039	ug/l		99
53) 1,3-Dichloropropane	8.573	76	44857	2.068	ug/l		99
54) 2-Hexanone	8.686	43	71631	8.695	ug/l		100
55) Dibromochloromethane	8.805	129	26031	1.806	ug/l		97
56) 1,2-Dibromoethane	8.923	107	23240	1.997	ug/l		96
58) Tetrachloroethene	8.554	164	42175	1.828	ug/l		92
59) Chlorobenzene	9.444	112	93265	1.879	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.531	131	29430	1.790	ug/l		99
61) Pentachloroethane	11.425	117	14406	1.880	ug/l	#	80
62) Hexachloroethane	12.473	117	21381	1.702	ug/l		90
63) Ethyl Benzene	9.570	91	153418	1.828	ug/l		98
64) m/p-Xylenes	9.692	106	120487	3.705	ug/l		97
65) o-Xylene	10.100	106	58601	1.859	ug/l		98
66) Styrene	10.113	104	88612	1.799	ug/l		96
67) Bromoform	10.290	173	12914	1.771	ug/l		95
69) Isopropylbenzene	10.483	105	150885	1.830	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.779	83	26560	2.044	ug/l		99
71) 1,2,3-Trichloropropane	10.820	75	21968m	1.891	ug/l		
72) Bromobenzene	10.782	156	35630	1.880	ug/l		99
73) n-propylbenzene	10.904	120	40560	1.812	ug/l		98
74) 2-Chlorotoluene	10.984	126	36557	1.829	ug/l		98
75) 1,3,5-Trimethylbenzene	11.087	105	128887	1.817	ug/l		99
76) 4-Chlorotoluene	11.097	126	38335	1.868	ug/l		97
77) tert-Butylbenzene	11.419	119	114885	1.832	ug/l		95
78) 1,2,4-Trimethylbenzene	11.467	105	130955	1.822	ug/l		97
79) sec-Butylbenzene	11.644	105	165343	1.811	ug/l		98
80) Nitrobenzene	13.213	77	2660	8.558	ug/l		95
81) p-Isopropyltoluene	11.792	119	128207	1.739	ug/l		99
82) 1,3-Dichlorobenzene	11.743	146	73982	1.819	ug/l		99
83) 1,4-Dichlorobenzene	11.837	146	74377	1.867	ug/l		97
84) n-Butylbenzene	12.210	91	119992	1.791	ug/l		98
85) 1,2-Dichlorobenzene	12.213	146	71496	1.917	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	3875	1.803	ug/l		95
87) 1,2,4-Trichlorobenzene	13.840	180	40173	1.868	ug/l		99
88) Hexachlorobutadiene	14.020	225	24556	1.785	ug/l		96
89) Naphthalene	14.087	128	63356	2.063	ug/l		99
90) 1,2,3-Trichlorobenzene	14.328	180	34287	1.839	ug/l		98

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

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