Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
Data File : VU029360.D
Acq On : 06 Feb 2019 13:46
Operator : JC/SP
Sample : VU0206WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 08 12:33:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VU0206WBS01

Manual Integrations APPROVED
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2/8/2019 2:27:35 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	55760	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	22104	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	22062	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	39329	1.890	ug/l		99
3) Chloromethane	1.33	50	35820	1.884	ug/l		98
4) Vinyl Chloride	1.40	62	41715	1.871	ug/l		98
5) Bromomethane	1.63	94	27731	2.236	ug/l		98
6) Chloroethane	1.70	64	24923	1.914	ug/l		97
7) Trichlorofluoromethane	1.88	101	62170	1.997	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33731	2.052	ug/l		88
9) 1,1-Dichloroethene	2.28	96	33069	2.056	ug/l		72
10) Iodomethane	2.41	142	34123	1.675	ug/l	#	79
11) Allyl Chloride	2.59	41	52125	1.932	ug/l		91
12) Acrylonitrile	2.94	53	14050	3.897	ug/l		97
13) Acetone	2.32	43	31945	9.194	ug/l	#	80
14) Carbon Disulfide	2.48	76	112771	1.986	ug/l		98
15) Methylene Chloride	2.70	84	37227	1.909	ug/l	#	80
16) trans-1,2-Dichloroethene	2.98	96	36221	2.014	ug/l	#	78
17) 1,1-Dichloroethane	3.44	63	52937	1.857	ug/l		97
18) 2-Butanone	4.28	43	35684	9.189	ug/l		100
19) Cyclohexane	4.99	56	47903m	1.812	ug/l		
20) Methylcyclohexane	6.41	83	54268	1.955	ug/l	#	85
21) 2,2-Dichloropropane	4.22	77	52769	2.000	ug/l		92
22) cis-1,2-Dichloroethene	4.23	96	35290	2.083	ug/l		74
23) Diethyl Ether	2.10	59	25573	1.980	ug/l		88
24) tert-Butyl Alcohol	2.83	59	25707	19.150	ug/l		97
25) Methyl tert-Butyl Ether	3.00	73	90984	2.009	ug/l	#	86
26) Bromochloromethane	4.55	128	15252	2.038	ug/l		72
27) Chloroform	4.67	83	55509	2.002	ug/l		96
28) 1,1,1-Trichloroethane	4.91	97	51657	2.010	ug/l		94
29) 1,1-Dichloropropene	5.13	75	42267	1.895	ug/l		93
30) Carbon Tetrachloride	5.13	117	46969	2.019	ug/l		99
31) Isopropyl Ether	3.58	45	80901	1.881	ug/l		88
32) Ethyl-t-butyl ether	4.07	59	82965	1.925	ug/l		91
33) Tert-Amyl methyl ether	5.58	73	77046	1.977	ug/l		96
34) Propionitrile	4.33	54	9594m	9.399	ug/l		
35) Benzene	5.39	78	119844	1.943	ug/l		99
36) 1,2-Dichloroethane	5.41	62	35168	1.885	ug/l	#	84
37) Trichloroethene	6.18	130	37045	2.093	ug/l		87
38) 1,2-Dichloropropane	6.43	63	30177	1.881	ug/l		97
39) Methacrylonitrile	4.55	41	9088	1.739	ug/l	#	84
40) Methyl acrylate	4.43	55	14232	1.804	ug/l	#	90
41) Tetrahydrofuran	4.65	42	9961	3.783	ug/l	#	84
42) 1-Chlorobutane	5.06	56	55115	1.844	ug/l		87

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	16153	1.889 ug/l	#	87
44) Bromodichloromethane	6.76	83	42736	1.961 ug/l	#	93
45) 4-Methyl-2-Pentanone	7.46	43	90534	9.032 ug/l	#	89
46) t-1,4-Dichloro-2-butene	10.52	75	16753m	3.430 ug/l		
47) Methyl methacrylate	6.63	69	29269	3.890 ug/l	#	74
48) Ethyl methacrylate	8.02	69	30472	1.888 ug/l		80
49) Toluene	7.63	92	77248	1.957 ug/l		97
50) t-1,3-Dichloropropene	7.88	75	40939	1.917 ug/l		95
51) cis-1,3-Dichloropropene	7.27	75	48968	1.930 ug/l	#	86
52) 1,1,2-Trichloroethane	8.07	97	23544	2.080 ug/l		97
53) 1,3-Dichloropropane	8.24	76	38612	1.942 ug/l		99
54) 2-Hexanone	8.37	43	62773	8.934 ug/l		87
55) Dibromochloromethane	8.48	129	32425	2.015 ug/l		100
56) 1,2-Dibromoethane	8.58	107	22536	1.940 ug/l		99
58) Tetrachloroethene	8.22	164	34607	2.101 ug/l		94
59) Chlorobenzene	9.12	112	90908	2.044 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	33695	2.051 ug/l		97
61) Pentachloroethane	11.10	117	24539	1.927 ug/l		84
62) Hexachloroethane	12.14	117	26940	1.938 ug/l		94
63) Ethyl Benzene	9.25	91	152436	1.974 ug/l		95
64) m/p-Xylenes	9.37	106	118738	3.957 ug/l		87
65) o-Xylene	9.78	106	58213	1.976 ug/l		91
66) Styrene	9.79	104	96587	1.967 ug/l		94
67) Bromoform	9.96	173	20269	2.025 ug/l		97
69) Isopropylbenzene	10.16	105	156120	1.984 ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.46	83	28870	1.990 ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	21061m	2.114 ug/l		
72) Bromobenzene	10.45	156	39743	2.084 ug/l		83
73) n-propylbenzene	10.58	120	44201	2.017 ug/l		77
74) 2-Chlorotoluene	10.66	126	38697	2.073 ug/l		75
75) 1,3,5-Trimethylbenzene	10.77	105	133080	1.961 ug/l		95
76) 4-Chlorotoluene	10.77	126	38667	1.996 ug/l		75
77) tert-Butylbenzene	11.10	119	134054	1.999 ug/l		91
78) 1,2,4-Trimethylbenzene	11.15	105	133831	1.948 ug/l		95
79) sec-Butylbenzene	11.32	105	173959	1.982 ug/l		96
80) Nitrobenzene	12.87	77	4317	6.678 ug/l	#	96
81) p-Isopropyltoluene	11.47	119	148384	1.995 ug/l		93
82) 1,3-Dichlorobenzene	11.41	146	75930	2.029 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	75568	2.027 ug/l		96
84) n-Butylbenzene	11.89	91	132984	1.948 ug/l		96
85) 1,2-Dichlorobenzene	11.88	146	70329	1.988 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4424	1.634 ug/l	#	54
87) 1,2,4-Trichlorobenzene	13.50	180	51002	2.052 ug/l		98
88) Hexachlorobutadiene	13.69	225	32674	2.270 ug/l		99
89) Naphthalene	13.74	128	83251	1.975 ug/l		98
90) 1,2,3-Trichlorobenzene	13.99	180	46667	2.055 ug/l		97

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

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