Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072419\
Data File : VU033389.D
Acq On : 24 Jul 2019 12:41
Operator : JC/SP
Sample : VU0724WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VU0724WBS01

Manual Integrations APPROVED
MMDadoda
7/25/2019 12:18:31 PM

Quant Time: Jul 25 08:07:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 03:53:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	28334	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	10924	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.00%			
68) 1,2-Dichlorobenzene-d4	11.85	152	11752	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	24873	2.123	ug/l	98
3) Chloromethane	1.33	50	25012	1.934	ug/l	98
4) Vinyl Chloride	1.40	62	27988	1.939	ug/l	100
5) Bromomethane	1.62	94	20266	2.231	ug/l	96
6) Chloroethane	1.69	64	17988	1.775	ug/l	100
7) Trichlorofluoromethane	1.88	101	39947	2.016	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21110	2.065	ug/l	97
9) 1,1-Dichloroethene	2.27	96	20128	1.999	ug/l	95
10) Iodomethane	2.40	142	18485	1.366	ug/l	98
11) Allyl Chloride	2.58	41	32567	1.960	ug/l	97
12) Acrylonitrile	2.92	53	9459	3.366	ug/l	98
13) Acetone	2.31	43	23440	9.776	ug/l	96
14) Carbon Disulfide	2.46	76	72917	1.906	ug/l	97
15) Methylene Chloride	2.68	84	26061	1.919	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	23593	1.973	ug/l	94
17) 1,1-Dichloroethane	3.42	63	33783	2.105	ug/l	99
18) 2-Butanone	4.26	43	20730	9.058	ug/l	97
19) Cyclohexane	4.97	56	21277m	1.807	ug/l	
20) Methylcyclohexane	6.40	83	22207	1.873	ug/l	96
21) 2,2-Dichloropropane	4.19	77	28964	2.130	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	18701	2.064	ug/l	96
23) Diethyl Ether	2.09	59	15949	1.838	ug/l	97
24) tert-Butyl Alcohol	2.82	59	19564	13.698	ug/l	98
25) Methyl tert-Butyl Ether	2.98	73	52934	1.826	ug/l	100
26) Bromochloromethane	4.52	128	8008	2.010	ug/l	98
27) Chloroform	4.65	83	36282	1.978	ug/l	97
28) 1,1,1-Trichloroethane	4.89	97	28812	2.029	ug/l	99
29) 1,1-Dichloropropene	5.11	75	22273	1.902	ug/l	98
30) Carbon Tetrachloride	5.11	117	24823	1.986	ug/l	98
31) Isopropyl Ether	3.56	45	38061	1.877	ug/l	93
32) Ethyl-t-butyl ether	4.05	59	34478	1.768	ug/l	95
33) Tert-Amyl methyl ether	5.56	73	30493	1.739	ug/l	96
34) Propionitrile	4.31	54	5814	8.856	ug/l #	87
35) Benzene	5.37	78	66977	1.979	ug/l	100
36) 1,2-Dichloroethane	5.39	62	22430	1.992	ug/l	100
37) Trichloroethene	6.17	130	16700	1.870	ug/l	94
38) 1,2-Dichloropropane	6.41	63	16978	1.819	ug/l	95
39) Methacrylonitrile	4.53	41	4956	1.902	ug/l #	89
40) Methyl acrylate	4.41	55	7520	1.855	ug/l #	88
41) Tetrahydrofuran	4.63	42	4671	3.574	ug/l	95
42) 1-Chlorobutane	5.04	56	30225	1.925	ug/l	93

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Quant Time: Jul 25 08:07:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 03:53:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.54	93	9283	1.796 ug/l		90
44) Bromodichloromethane	6.74	83	24593	1.974 ug/l		98
45) 4-Methyl-2-Pentanone	7.45	43	45725	8.675 ug/l		93
46) t-1,4-Dichloro-2-butene	10.49	75	7521m	3.536 ug/l		
47) Methyl methacrylate	6.61	69	13618	3.457 ug/l		96
48) Ethyl methacrylate	8.01	69	11579	1.668 ug/l		99
49) Toluene	7.62	92	38387	1.980 ug/l		96
50) t-1,3-Dichloropropene	7.86	75	18658	1.795 ug/l		100
51) cis-1,3-Dichloropropene	7.25	75	23149	1.886 ug/l		98
52) 1,1,2-Trichloroethane	8.05	97	13363	1.935 ug/l		97
53) 1,3-Dichloropropane	8.23	76	22799	1.953 ug/l		98
54) 2-Hexanone	8.35	43	29423	7.930 ug/l		97
55) Dibromochloromethane	8.46	129	16286	2.019 ug/l		99
56) 1,2-Dibromoethane	8.57	107	12024	1.868 ug/l		98
58) Tetrachloroethene	8.21	164	15717	1.941 ug/l		99
59) Chlorobenzene	9.10	112	42605	1.917 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.19	131	16391	1.942 ug/l		98
61) Pentachloroethane	11.09	117	14773	2.133 ug/l		90
62) Hexachloroethane	12.13	117	13174	1.966 ug/l		97
63) Ethyl Benzene	9.23	91	64599	1.810 ug/l		97
64) m/p-Xylenes	9.36	106	53004	3.715 ug/l		95
65) o-Xylene	9.76	106	24881	1.820 ug/l		98
66) Styrene	9.78	104	41966	1.810 ug/l		98
67) Bromoform	9.94	173	8589	1.967 ug/l	#	97
69) Isopropylbenzene	10.15	105	64987	1.854 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.44	83	17877	1.953 ug/l		99
71) 1,2,3-Trichloropropane	10.48	75	11937m	1.689 ug/l		
72) Bromobenzene	10.44	156	18225	1.968 ug/l		99
73) n-propylbenzene	10.57	120	19069	1.908 ug/l		100
74) 2-Chlorotoluene	10.65	126	17873	1.959 ug/l		95
75) 1,3,5-Trimethylbenzene	10.76	105	60910	1.935 ug/l		99
76) 4-Chlorotoluene	10.76	126	18772	1.975 ug/l		100
77) tert-Butylbenzene	11.08	119	57101	1.914 ug/l		99
78) 1,2,4-Trimethylbenzene	11.13	105	61590	1.915 ug/l		100
79) sec-Butylbenzene	11.31	105	80327	1.957 ug/l		100
80) Nitrobenzene	12.86	77	1518m	3.989 ug/l		
81) p-Isopropyltoluene	11.46	119	64033	1.918 ug/l		99
82) 1,3-Dichlorobenzene	11.40	146	39882	2.026 ug/l		99
83) 1,4-Dichlorobenzene	11.49	146	39301	2.018 ug/l		99
84) n-Butylbenzene	11.87	91	65692	1.923 ug/l		97
85) 1,2-Dichlorobenzene	11.86	146	37124	2.012 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	3119	2.166 ug/l		85
87) 1,2,4-Trichlorobenzene	13.49	180	20204	1.840 ug/l		95
88) Hexachlorobutadiene	13.68	225	14112	2.084 ug/l		97
89) Naphthalene	13.73	128	28905	1.741 ug/l		100
90) 1,2,3-Trichlorobenzene	13.98	180	18558	1.741 ug/l		100

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

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