Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081220\
Data File : VU039841.D
Acq On : 12 Aug 2020 13:01
Operator : SY/MD
Sample : VU0812WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0812WBSD01

Manual Integrations APPROVED
MMDadoda
8/13/2020 11:35:55 AM

Quant Time: Aug 13 03:07:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 07:12:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	21833	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	7238	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	7527	0.90	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	13306	1.754	ug/l		99
3) Chloromethane	1.53	50	14810	1.571	ug/l		97
4) Vinyl Chloride	1.61	62	15308	1.762	ug/l		97
5) Bromomethane	1.86	94	7696	1.296	ug/l		100
6) Chloroethane	1.94	64	10720	1.779	ug/l		93
7) Trichlorofluoromethane	2.15	101	20341	1.771	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12272	1.861	ug/l		98
9) 1,1-Dichloroethene	2.59	96	10602	1.748	ug/l		97
10) Iodomethane	2.74	142	4923	0.805	ug/l		95
11) Allyl Chloride	2.94	41	24591	1.879	ug/l		99
12) Acrylonitrile	3.33	53	7676	3.605	ug/l		98
13) Acetone	2.64	43	19314	9.640	ug/l		98
14) Carbon Disulfide	2.81	76	31122	1.399	ug/l		99
15) Methylene Chloride	3.06	84	13996	1.655	ug/l		91
16) trans-1,2-Dichloroethene	3.37	96	12025	1.744	ug/l		99
17) 1,1-Dichloroethane	3.89	63	28561	1.886	ug/l		98
18) 2-Butanone	4.75	43	29446	8.740	ug/l		99
19) Cyclohexane	5.40	56	23542m	1.606	ug/l		
20) Methylcyclohexane	6.77	83	16037	1.476	ug/l		93
21) 2,2-Dichloropropane	4.68	77	22641	1.833	ug/l		99
22) cis-1,2-Dichloroethene	4.68	96	13524	1.819	ug/l		94
23) Diethyl Ether	2.39	59	11346	1.829	ug/l		95
24) tert-Butyl Alcohol	3.21	59	17049	16.096	ug/l	#	88
25) Methyl tert-Butyl Ether	3.39	73	35979	1.818	ug/l		94
26) Bromochloromethane	4.99	128	5354	1.760	ug/l		96
27) Chloroform	5.11	83	27093	1.911	ug/l		96
28) 1,1,1-Trichloroethane	5.33	97	21166	1.846	ug/l		99
29) 1,1-Dichloropropene	5.54	75	20139	1.824	ug/l		98
30) Carbon Tetrachloride	5.53	117	17221	1.836	ug/l		99
31) Isopropyl Ether	4.03	45	51946	1.881	ug/l		99
32) Ethyl-t-butyl ether	4.54	59	43089	1.833	ug/l		99
33) Tert-Amyl methyl ether	5.97	73	34890	2.059	ug/l		98
34) Propionitrile	4.81	54	7313	8.799	ug/l	#	91
35) Benzene	5.79	78	55298	2.024	ug/l		100
36) 1,2-Dichloroethane	5.81	62	21057	2.056	ug/l		98
37) Trichloroethene	6.55	130	10652	1.704	ug/l		97
38) 1,2-Dichloropropane	6.81	63	14604	1.940	ug/l		98
39) Methacrylonitrile	5.01	41	7036	1.606	ug/l		96
40) Methyl acrylate	4.88	55	9457	1.674	ug/l	#	95
41) Tetrahydrofuran	5.09	42	7022	3.187	ug/l		97
42) 1-Chlorobutane	5.47	56	31248	1.803	ug/l		92

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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 07:12:27 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.93	93	7050	1.740	ug/l		96
44) Bromodichloromethane	7.12	83	17038	1.834	ug/l		97
45) 4-Methyl-2-Pentanone	7.81	43	50749	8.269	ug/l		95
46) t-1,4-Dichloro-2-butene	10.84	75	5113m	2.801	ug/l		
47) Methyl methacrylate	6.98	69	12532	3.316	ug/l		94
48) Ethyl methacrylate	8.34	69	10273	1.477	ug/l		95
49) Toluene	7.98	92	26101	1.605	ug/l		97
50) t-1,3-Dichloropropene	8.22	75	14029	1.677	ug/l		96
51) cis-1,3-Dichloropropene	7.62	75	16287	1.656	ug/l		89
52) 1,1,2-Trichloroethane	8.41	97	9063	1.722	ug/l		98
53) 1,3-Dichloropropane	8.58	76	16859	1.668	ug/l		99
54) 2-Hexanone	8.70	43	35269	8.026	ug/l		94
55) Dibromochloromethane	8.82	129	9925	1.756	ug/l		98
56) 1,2-Dibromoethane	8.93	107	8513	1.678	ug/l		96
58) Tetrachloroethene	8.56	164	10081	1.842	ug/l		95
59) Chlorobenzene	9.45	112	28957	1.722	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.54	131	10264	1.810	ug/l		100
61) Pentachloroethane	11.43	117	8576	1.722	ug/l		88
62) Hexachloroethane	12.47	117	7847	1.719	ug/l		99
63) Ethyl Benzene	9.57	91	47245	1.568	ug/l		99
64) m/p-Xylenes	9.70	106	36674	3.115	ug/l		95
65) o-Xylene	10.10	106	17633	1.577	ug/l		99
66) Styrene	10.11	104	30371	1.585	ug/l		97
67) Bromoform	10.29	173	4991	1.731	ug/l	#	98
69) Isopropylbenzene	10.48	105	47700	1.598	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.78	83	12701	1.676	ug/l		98
71) 1,2,3-Trichloropropane	10.83	75	10763m	1.885	ug/l		
72) Bromobenzene	10.78	156	11212	1.654	ug/l		97
73) n-propylbenzene	10.90	120	13420	1.599	ug/l		99
74) 2-Chlorotoluene	10.99	126	11666	1.645	ug/l		99
75) 1,3,5-Trimethylbenzene	11.09	105	41036	1.590	ug/l		100
76) 4-Chlorotoluene	11.10	126	12972	1.766	ug/l		94
77) tert-Butylbenzene	11.42	119	38872	1.570	ug/l		98
78) 1,2,4-Trimethylbenzene	11.47	105	42718	1.614	ug/l		98
79) sec-Butylbenzene	11.64	105	56810	1.612	ug/l		100
80) Nitrobenzene	13.20	77	1449	11.300	ug/l	#	89
81) p-Isopropyltoluene	11.79	119	45558	1.604	ug/l		99
82) 1,3-Dichlorobenzene	11.74	146	24618	1.687	ug/l		99
83) 1,4-Dichlorobenzene	11.83	146	25053	1.707	ug/l		99
84) n-Butylbenzene	12.20	91	49244	1.632	ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	23740	1.688	ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2173	1.702	ug/l		94
87) 1,2,4-Trichlorobenzene	13.83	180	13858	1.575	ug/l		99
88) Hexachlorobutadiene	14.01	225	7488	1.874	ug/l		96
89) Naphthalene	14.08	128	29490	1.567	ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	14739	1.775	ug/l		98

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

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