Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031020\
Data File : VU037150.D
Acq On : 10 Mar 2020 13:41
Operator : JC/MD
Sample : VU0310WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VU0310WBSD01

Manual Integrations APPROVED
sam
3/11/2020 3:32:31 PM

Quant Time: Mar 10 14:00:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:46:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	15045	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	5675	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	5752	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	14558	1.982	ug/l		97
3) Chloromethane	1.54	50	15354	2.103	ug/l		93
4) Vinyl Chloride	1.62	62	12666	1.973	ug/l		94
5) Bromomethane	1.87	94	4720	2.109	ug/l		93
6) Chloroethane	1.95	64	6171	2.007	ug/l		94
7) Trichlorofluoromethane	2.16	101	15609	2.001	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	7640	2.088	ug/l		94
9) 1,1-Dichloroethene	2.61	96	6895	1.982	ug/l		82
10) Iodomethane	2.75	142	2129	1.716	ug/l	#	62
11) Allyl Chloride	2.95	41	13340	1.978	ug/l	#	62
12) Acrylonitrile	3.36	53	3606	4.382	ug/l		92
13) Acetone	2.66	43	9896	10.819	ug/l	#	75
14) Carbon Disulfide	2.82	76	22912	1.977	ug/l		98
15) Methylene Chloride	3.08	84	8746	2.002	ug/l	#	76
16) trans-1,2-Dichloroethene	3.39	96	7561	2.046	ug/l		95
17) 1,1-Dichloroethane	3.91	63	17074	1.993	ug/l		98
18) 2-Butanone	4.77	43	12514	8.951	ug/l		95
19) Cyclohexane	5.42	56	12784m	1.752	ug/l		
20) Methylcyclohexane	6.79	83	12544	1.741	ug/l	#	85
21) 2,2-Dichloropropane	4.70	77	15744	2.014	ug/l		92
22) cis-1,2-Dichloroethene	4.71	96	8998	1.966	ug/l		80
23) Diethyl Ether	2.40	59	5834	1.980	ug/l		88
24) tert-Butyl Alcohol	3.26	59	6543	20.305	ug/l	#	85
25) Methyl tert-Butyl Ether	3.41	73	20495	2.010	ug/l	#	69
26) Bromochloromethane	5.01	128	4127	2.049	ug/l		80
27) Chloroform	5.13	83	17835	1.933	ug/l		94
28) 1,1,1-Trichloroethane	5.35	97	15660	1.992	ug/l		97
29) 1,1-Dichloropropene	5.56	75	12638	1.978	ug/l		96
30) Carbon Tetrachloride	5.35	117	1910	0.278	ug/l		92
31) Isopropyl Ether	4.05	45	25052	1.832	ug/l		82
32) Ethyl-t-butyl ether	4.56	59	23671	1.834	ug/l		92
33) Tert-Amyl methyl ether	5.99	73	20594	1.859	ug/l		98
34) Propionitrile	4.84	54	3342	9.088	ug/l	#	92
35) Benzene	5.81	78	35015	1.929	ug/l		99
36) 1,2-Dichloroethane	5.83	62	12375	1.881	ug/l		95
37) Trichloroethene	6.57	130	9350	1.963	ug/l		93
38) 1,2-Dichloropropane	6.83	63	9400	1.887	ug/l		100
39) Methacrylonitrile	5.02	41	3404	1.919	ug/l	#	78
40) Methyl acrylate	4.90	55	4710	1.920	ug/l	#	93
41) Tetrahydrofuran	5.11	42	3422	3.866	ug/l	#	76
42) 1-Chlorobutane	5.49	56	18131	1.970	ug/l		85

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
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Quant Time: Mar 10 14:00:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:46:40 2020
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.95	93	5070	1.985 ug/l		91
44) Bromodichloromethane	7.14	83	12571	1.891 ug/l		98
45) 4-Methyl-2-Pentanone	7.83	43	31413	9.172 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.86	75	3655m	3.899 ug/l		
47) Methyl methacrylate	7.00	69	8138	3.855 ug/l	#	64
48) Ethyl methacrylate	8.36	69	7251	1.739 ug/l		68
49) Toluene	8.00	92	20906	1.907 ug/l		99
50) t-1,3-Dichloropropene	8.24	75	11111	1.855 ug/l		96
51) cis-1,3-Dichloropropene	7.64	75	12821	1.874 ug/l	#	80
52) 1,1,2-Trichloroethane	8.43	97	7003	2.055 ug/l		96
53) 1,3-Dichloropropane	8.60	76	11595	1.919 ug/l		97
54) 2-Hexanone	8.72	43	21912	9.287 ug/l		84
55) Dibromochloromethane	8.83	129	8493	2.014 ug/l		96
56) 1,2-Dibromoethane	8.95	107	6502	2.015 ug/l		95
58) Tetrachloroethene	8.58	164	8522	1.906 ug/l	#	86
59) Chlorobenzene	9.47	112	22966	1.877 ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.56	131	8978	2.005 ug/l		93
61) Pentachloroethane	11.45	117	7203	2.108 ug/l		83
62) Hexachloroethane	12.49	117	7058	1.930 ug/l		85
63) Ethyl Benzene	9.59	91	38001	1.820 ug/l		95
64) m/p-Xylenes	9.72	106	29294	3.705 ug/l		92
65) o-Xylene	10.12	106	14353	1.882 ug/l		91
66) Styrene	10.13	104	23174	1.856 ug/l		95
67) Bromoform	10.31	173	4406	1.979 ug/l	#	96
69) Isopropylbenzene	10.50	105	37579	1.807 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.80	83	9443	2.107 ug/l		93
71) 1,2,3-Trichloropropane	10.84	75	7707m	2.104 ug/l		
72) Bromobenzene	10.80	156	9636	1.915 ug/l		90
73) n-propylbenzene	10.92	120	10458	1.897 ug/l		77
74) 2-Chlorotoluene	11.00	126	9522	1.909 ug/l		82
75) 1,3,5-Trimethylbenzene	11.10	105	34550	1.919 ug/l		92
76) 4-Chlorotoluene	11.11	126	10080	2.007 ug/l		81
77) tert-Butylbenzene	11.44	119	32654	1.861 ug/l		94
78) 1,2,4-Trimethylbenzene	11.48	105	33729	1.856 ug/l		97
79) sec-Butylbenzene	11.66	105	44246	1.853 ug/l		100
80) Nitrobenzene	13.25	77	598	6.096 ug/l	#	40
81) p-Isopropyltoluene	11.81	119	35478	1.885 ug/l		95
82) 1,3-Dichlorobenzene	11.76	146	19666	1.973 ug/l		99
83) 1,4-Dichlorobenzene	11.85	146	19576	1.938 ug/l		98
84) n-Butylbenzene	12.22	91	32207	1.806 ug/l		95
85) 1,2-Dichlorobenzene	12.23	146	18708	1.939 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1355	1.713 ug/l		92
87) 1,2,4-Trichlorobenzene	13.87	180	8658	1.786 ug/l		98
88) Hexachlorobutadiene	14.06	225	5867	1.955 ug/l		98
89) Naphthalene	14.12	128	12280	1.650 ug/l		97
90) 1,2,3-Trichlorobenzene	14.37	180	8391	1.778 ug/l		95

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

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