Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037140.D
Acq On : 09 Mar 2020 18:58
Operator : JC/MD
Sample : VU0309WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Manual Integrations APPROVED

Quant Time: Mar 09 19:33:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 18:12:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	16092	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	5804	0.93	ug/l		0.00
Spiked Amount 1.000			Recovery = 93.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	6472	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	15017	1.912	ug/l		98
3) Chloromethane	1.54	50	15162	1.941	ug/l		96
4) Vinyl Chloride	1.62	62	13324	1.941	ug/l		97
5) Bromomethane	1.87	94	4884	2.040	ug/l		97
6) Chloroethane	1.95	64	6332	1.925	ug/l		95
7) Trichlorofluoromethane	2.16	101	15390	1.845	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7226	1.846	ug/l		94
9) 1,1-Dichloroethene	2.60	96	7493	2.014	ug/l		87
10) Iodomethane	2.75	142	1824	1.128	ug/l		90
11) Allyl Chloride	2.95	41	13504	1.872	ug/l	#	61
12) Acrylonitrile	3.36	53	3266	3.711	ug/l	#	88
13) Acetone	2.66	43	8993	9.192	ug/l	#	80
14) Carbon Disulfide	2.82	76	22534	1.818	ug/l		95
15) Methylene Chloride	3.08	84	10045	2.150	ug/l	#	79
16) trans-1,2-Dichloroethene	3.38	96	7165	1.813	ug/l		90
17) 1,1-Dichloroethane	3.91	63	17548	1.915	ug/l		97
18) 2-Butanone	4.77	43	12512	8.367	ug/l		99
19) Cyclohexane	5.42	56	13735m	1.760	ug/l		
20) Methylcyclohexane	6.79	83	13172	1.709	ug/l	#	87
21) 2,2-Dichloropropane	4.71	77	14970	1.791	ug/l		93
22) cis-1,2-Dichloroethene	4.71	96	8932	1.825	ug/l		81
23) Diethyl Ether	2.40	59	5885	1.867	ug/l		89
24) tert-Butyl Alcohol	3.24	59	9027	26.191	ug/l	#	91
25) Methyl tert-Butyl Ether	3.41	73	20473	1.878	ug/l	#	67
26) Bromochloromethane	5.02	128	3922	1.820	ug/l		78
27) Chloroform	5.13	83	18091	1.834	ug/l		98
28) 1,1,1-Trichloroethane	5.35	97	16297	1.938	ug/l		95
29) 1,1-Dichloropropene	5.56	75	12222	1.788	ug/l		97
30) Carbon Tetrachloride	5.56	117	13687	1.860	ug/l		96
31) Isopropyl Ether	4.05	45	26589	1.818	ug/l		82
32) Ethyl-t-butyl ether	4.56	59	24411	1.768	ug/l		95
33) Tert-Amyl methyl ether	5.99	73	20690	1.746	ug/l		98
34) Propionitrile	4.84	54	3306	8.406	ug/l	#	91
35) Benzene	5.81	78	36258	1.867	ug/l		100
36) 1,2-Dichloroethane	5.84	62	13053	1.855	ug/l	#	91
37) Trichloroethene	6.57	130	9078	1.782	ug/l		92
38) 1,2-Dichloropropane	6.83	63	9895	1.857	ug/l		98
39) Methacrylonitrile	5.03	41	3554	1.873	ug/l	#	79
40) Methyl acrylate	4.90	55	4693	1.788	ug/l	#	90
41) Tetrahydrofuran	5.11	42	3366	3.555	ug/l	#	66
42) 1-Chlorobutane	5.50	56	18186	1.847	ug/l		82

sam

3/10/2020 3:06:53 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037140.D
Acq On : 09 Mar 2020 18:58
Operator : JC/MD
Sample : VU0309WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VU0309WBSD01

Manual Integrations APPROVED

Quant Time: Mar 09 19:33:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 18:12:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.95	93	5429	1.987 ug/l	#	81
44) Bromodichloromethane	7.14	83	13180	1.853 ug/l		96
45) 4-Methyl-2-Pentanone	7.83	43	32231	8.799 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.86	75	3245m	3.237 ug/l		
47) Methyl methacrylate	7.00	69	8160	3.614 ug/l	#	63
48) Ethyl methacrylate	8.36	69	7409	1.661 ug/l		67
49) Toluene	8.00	92	21705	1.851 ug/l		99
50) t-1,3-Dichloropropene	8.24	75	11553	1.803 ug/l		97
51) cis-1,3-Dichloropropene	7.64	75	12155	1.661 ug/l	#	83
52) 1,1,2-Trichloroethane	8.43	97	6980	1.915 ug/l		90
53) 1,3-Dichloropropane	8.60	76	11786	1.823 ug/l		97
54) 2-Hexanone	8.72	43	21406	8.483 ug/l		84
55) Dibromochloromethane	8.83	129	8139	1.804 ug/l		100
56) 1,2-Dibromoethane	8.95	107	6321	1.831 ug/l		98
58) Tetrachloroethene	8.58	164	8593	1.797 ug/l		88
59) Chlorobenzene	9.47	112	23285	1.779 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.56	131	8857	1.849 ug/l		97
61) Pentachloroethane	11.45	117	7219	1.975 ug/l		86
62) Hexachloroethane	12.49	117	7225	1.847 ug/l		84
63) Ethyl Benzene	9.59	91	39272	1.758 ug/l		94
64) m/p-Xylenes	9.72	106	30035	3.552 ug/l		89
65) o-Xylene	10.12	106	14929	1.830 ug/l		94
66) Styrene	10.13	104	23911	1.790 ug/l		96
67) Bromoform	10.31	173	4705	1.976 ug/l	#	96
69) Isopropylbenzene	10.50	105	39452	1.774 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.80	83	9031	1.884 ug/l		94
71) 1,2,3-Trichloropropane	10.85	75	7445m	1.900 ug/l		
72) Bromobenzene	10.80	156	10037	1.865 ug/l		92
73) n-propylbenzene	10.92	120	10700	1.815 ug/l		80
74) 2-Chlorotoluene	11.01	126	9975	1.869 ug/l		85
75) 1,3,5-Trimethylbenzene	11.10	105	34241	1.778 ug/l		95
76) 4-Chlorotoluene	11.12	126	10383	1.933 ug/l		80
77) tert-Butylbenzene	11.44	119	34127	1.818 ug/l		95
78) 1,2,4-Trimethylbenzene	11.48	105	34906	1.796 ug/l		95
79) sec-Butylbenzene	11.66	105	45773	1.792 ug/l		98
80) Nitrobenzene	13.24	77	637	6.071 ug/l	#	82
81) p-Isopropyltoluene	11.81	119	37209	1.848 ug/l		95
82) 1,3-Dichlorobenzene	11.76	146	20519	1.924 ug/l		99
83) 1,4-Dichlorobenzene	11.85	146	19645	1.819 ug/l		96
84) n-Butylbenzene	12.22	91	33000	1.730 ug/l		96
85) 1,2-Dichlorobenzene	12.23	146	19114	1.853 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1505	1.779 ug/l	#	78
87) 1,2,4-Trichlorobenzene	13.87	180	8481	1.635 ug/l	#	92
88) Hexachlorobutadiene	14.06	225	5973	1.861 ug/l		95
89) Naphthalene	14.12	128	12663	1.438 ug/l	#	95
90) 1,2,3-Trichlorobenzene	14.37	180	9109	1.805 ug/l		97

sam

3/10/2020 3:06:53 PM

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037140.D
Acq On : 09 Mar 2020 18:58
Operator : JC/MD
Sample : VU0309WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 09 19:33:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 18:12:43 2020
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Manual Integrations APPROVED