Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037131.D
Acq On : 09 Mar 2020 13:25
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Quant Time: Mar 09 15:41:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:28:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	16266	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	6312	1.03	ug/l		0.00
Spiked Amount 1.000			Recovery = 103.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	6571	1.05	ug/l		0.00
Spiked Amount 1.000			Recovery = 105.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	16360	3.043	ug/l		99
3) Chloromethane	1.54	50	15581	2.703	ug/l		97
4) Vinyl Chloride	1.62	62	13887	2.127	ug/l		97
5) Bromomethane	1.87	94	4677	1.153	ug/l		91
6) Chloroethane	1.95	64	6856	1.773	ug/l		99
7) Trichlorofluoromethane	2.16	101	17281	2.679	ug/l		94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8400	2.090	ug/l		95
9) 1,1-Dichloroethene	2.61	96	7737	1.809	ug/l		79
10) Iodomethane	2.75	142	2673	0.583	ug/l		90
11) Allyl Chloride	2.95	41	14928	2.524	ug/l	#	64
12) Acrylonitrile	3.36	53	3634	3.464	ug/l	#	85
13) Acetone	2.66	43	10219	11.949	ug/l	#	86
14) Carbon Disulfide	2.82	76	24754	1.671	ug/l		95
15) Methylene Chloride	3.08	84	9943	1.765	ug/l	#	82
16) trans-1,2-Dichloroethene	3.38	96	8337	1.767	ug/l		95
17) 1,1-Dichloroethane	3.91	63	19162	2.492	ug/l		97
18) 2-Butanone	4.77	43	15130	13.433	ug/l		98
19) Cyclohexane	5.42	56	15937m	2.268	ug/l		
20) Methylcyclohexane	6.79	83	15531	1.979	ug/l	#	86
21) 2,2-Dichloropropane	4.70	77	16974	2.586	ug/l		95
22) cis-1,2-Dichloroethene	4.71	96	10314	2.107	ug/l		83
23) Diethyl Ether	2.40	59	6401	1.937	ug/l		88
24) tert-Butyl Alcohol	3.25	59	7316	24.775	ug/l		96
25) Methyl tert-Butyl Ether	3.41	73	22520	2.009	ug/l	#	73
26) Bromochloromethane	5.02	128	4425	2.087	ug/l		76
27) Chloroform	5.13	83	19957	2.624	ug/l		99
28) 1,1,1-Trichloroethane	5.35	97	17134	2.687	ug/l		95
29) 1,1-Dichloropropene	5.56	75	14288	2.296	ug/l		93
30) Carbon Tetrachloride	5.56	117	15048	2.756	ug/l		98
31) Isopropyl Ether	4.05	45	29869	2.559	ug/l		85
32) Ethyl-t-butyl ether	4.56	59	27693	2.268	ug/l		92
33) Tert-Amyl methyl ether	5.99	73	23189	2.074	ug/l		99
34) Propionitrile	4.84	54	3896	12.000	ug/l	#	92
35) Benzene	5.81	78	40346	2.239	ug/l		99
36) 1,2-Dichloroethane	5.84	62	14076	2.901	ug/l	#	91
37) Trichloroethene	6.57	130	10501	2.110	ug/l		85
38) 1,2-Dichloropropane	6.83	63	10775	2.378	ug/l		97
39) Methacrylonitrile	5.03	41	4029	2.953	ug/l	#	83
40) Methyl acrylate	4.90	55	5249	2.427	ug/l	#	91
41) Tetrahydrofuran	5.11	42	3875	5.212	ug/l	#	64
42) 1-Chlorobutane	5.50	56	19439	2.411	ug/l		76

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Instrument :
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ClientSampleId :
VSTDICC002

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Quant Time: Mar 09 15:41:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:28:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.95	93	5613	2.373 ug/l		93
44) Bromodichloromethane	7.14	83	14117	2.523 ug/l		99
45) 4-Methyl-2-Pentanone	7.83	43	35902	13.473 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.86	75	4091m	3.486 ug/l		
47) Methyl methacrylate	7.00	69	8968	3.869 ug/l	#	58
48) Ethyl methacrylate	8.36	69	8205	1.833 ug/l		68
49) Toluene	8.00	92	23160	2.013 ug/l		98
50) t-1,3-Dichloropropene	8.24	75	12389	2.222 ug/l		97
51) cis-1,3-Dichloropropene	7.64	75	14899	2.205 ug/l	#	78
52) 1,1,2-Trichloroethane	8.43	97	7272	2.167 ug/l		95
53) 1,3-Dichloropropane	8.60	76	12958	2.253 ug/l		97
54) 2-Hexanone	8.72	43	24334	13.021 ug/l		84
55) Dibromochloromethane	8.84	129	8858	2.293 ug/l		99
56) 1,2-Dibromoethane	8.95	107	7049	2.181 ug/l		100
58) Tetrachloroethene	8.58	164	9803	1.971 ug/l		96
59) Chlorobenzene	9.47	112	25865	2.018 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.56	131	9653	2.358 ug/l		95
61) Pentachloroethane	11.45	117	7098	2.688 ug/l		96
62) Hexachloroethane	12.49	117	7941	2.360 ug/l	#	78
63) Ethyl Benzene	9.59	91	43243	2.013 ug/l		96
64) m/p-Xylenes	9.72	106	33157	3.900 ug/l		89
65) o-Xylene	10.12	106	16229	1.971 ug/l		90
66) Styrene	10.13	104	26123	1.895 ug/l		93
67) Bromoform	10.31	173	4776	2.159 ug/l	#	93
69) Isopropylbenzene	10.50	105	44775	2.070 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.80	83	10048	2.373 ug/l		91
71) 1,2,3-Trichloropropane	10.84	75	7876m	2.607 ug/l		
72) Bromobenzene	10.80	156	11870	2.278 ug/l		95
73) n-propylbenzene	10.92	120	11689	1.926 ug/l		76
74) 2-Chlorotoluene	11.00	126	10956	2.102 ug/l		86
75) 1,3,5-Trimethylbenzene	11.10	105	37885	2.042 ug/l		96
76) 4-Chlorotoluene	11.12	126	11157	2.072 ug/l		76
77) tert-Butylbenzene	11.44	119	37268	2.120 ug/l		95
78) 1,2,4-Trimethylbenzene	11.48	105	38089	1.992 ug/l		98
79) sec-Butylbenzene	11.66	105	51441	2.110 ug/l		97
80) Nitrobenzene	13.24	77	687	11.307 ug/l	#	66
81) p-Isopropyltoluene	11.81	119	39834	1.954 ug/l	#	94
82) 1,3-Dichlorobenzene	11.76	146	22042	2.114 ug/l		97
83) 1,4-Dichlorobenzene	11.85	146	22660	2.175 ug/l		99
84) n-Butylbenzene	12.22	91	38724	2.054 ug/l		95
85) 1,2-Dichlorobenzene	12.23	146	21290	2.134 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1788	2.495 ug/l	#	71
87) 1,2,4-Trichlorobenzene	13.87	180	9990	1.566 ug/l		97
88) Hexachlorobutadiene	14.05	225	6524	1.865 ug/l		99
89) Naphthalene	14.12	128	15520	1.412 ug/l		97
90) 1,2,3-Trichlorobenzene	14.37	180	9907	1.651 ug/l		98

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

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