Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037134.D
Acq On : 09 Mar 2020 14:48
Operator : JC/MD
Sample : VSTDICC020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Quant Time: Mar 09 15:45:17 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	17464	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	7389	1.12	ug/l		0.00
Spiked Amount 1.000			Recovery = 112.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	7149	1.06	ug/l		0.00
Spiked Amount 1.000			Recovery = 106.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	164168	28.438	ug/l		99
3) Chloromethane	1.54	50	167736	27.102	ug/l		100
4) Vinyl Chloride	1.62	62	151228	21.573	ug/l		98
5) Bromomethane	1.86	94	54613	12.538	ug/l		98
6) Chloroethane	1.95	64	67557	16.268	ug/l		100
7) Trichlorofluoromethane	2.16	101	173797	25.094	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	81241	18.830	ug/l		94
9) 1,1-Dichloroethene	2.60	96	76431	16.642	ug/l		77
10) Iodomethane	2.75	142	57803	11.734	ug/l	#	75
11) Allyl Chloride	2.95	41	149979	23.619	ug/l	#	65
12) Acrylonitrile	3.36	53	35692	31.686	ug/l	#	88
13) Acetone	2.66	43	92612	100.858	ug/l	#	77
14) Carbon Disulfide	2.82	76	258452	16.250	ug/l		100
15) Methylene Chloride	3.08	84	84224	13.924	ug/l	#	78
16) trans-1,2-Dichloroethene	3.38	96	81069	16.003	ug/l		84
17) 1,1-Dichloroethane	3.91	63	182687	22.129	ug/l		98
18) 2-Butanone	4.76	43	158515	131.077	ug/l		97
19) Cyclohexane	5.42	56	173266m	22.962	ug/l		
20) Methylcyclohexane	6.79	83	176390	20.937	ug/l		90
21) 2,2-Dichloropropane	4.70	77	169488	24.049	ug/l		96
22) cis-1,2-Dichloroethene	4.71	96	105852	20.139	ug/l		84
23) Diethyl Ether	2.40	59	66466	18.736	ug/l		88
24) tert-Butyl Alcohol	3.24	59	77133	243.284	ug/l		98
25) Methyl tert-Butyl Ether	3.41	73	224229	18.633	ug/l	#	73
26) Bromochloromethane	5.02	128	43322	19.030	ug/l		79
27) Chloroform	5.13	83	195874	23.987	ug/l		97
28) 1,1,1-Trichloroethane	5.35	97	175593	25.644	ug/l		97
29) 1,1-Dichloropropene	5.56	75	147485	22.070	ug/l		96
30) Carbon Tetrachloride	5.56	117	157264	26.823	ug/l		97
31) Isopropyl Ether	4.05	45	316709	25.273	ug/l		88
32) Ethyl-t-butyl ether	4.56	59	301338	22.983	ug/l		93
33) Tert-Amyl methyl ether	5.98	73	261252	21.761	ug/l		99
34) Propionitrile	4.83	54	42068	120.680	ug/l	#	92
35) Benzene	5.81	78	404458	20.901	ug/l		98
36) 1,2-Dichloroethane	5.83	62	141975	27.255	ug/l	#	93
37) Trichloroethene	6.57	130	104595	19.578	ug/l		93
38) 1,2-Dichloropropane	6.83	63	110486	22.709	ug/l		100
39) Methacrylonitrile	5.02	41	40650	27.747	ug/l	#	84
40) Methyl acrylate	4.89	55	55103	23.730	ug/l	#	94
41) Tetrahydrofuran	5.11	42	39911	50.003	ug/l	#	86
42) 1-Chlorobutane	5.49	56	214262	24.748	ug/l		84

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.95	93	56715	22.334	ug/l		90
44) Bromodichloromethane	7.14	83	149694	24.920	ug/l		100
45) 4-Methyl-2-Pentanone	7.83	43	397830	139.049	ug/l	#	87
46) t-1,4-Dichloro-2-butene	10.86	75	49000m	38.889	ug/l		
47) Methyl methacrylate	7.00	69	105971	42.584	ug/l	#	66
48) Ethyl methacrylate	8.36	69	104844	21.812	ug/l		68
49) Toluene	8.00	92	263279	21.314	ug/l		100
50) t-1,3-Dichloropropene	8.24	75	145521	24.311	ug/l		99
51) cis-1,3-Dichloropropene	7.64	75	162072	22.342	ug/l	#	81
52) 1,1,2-Trichloroethane	8.43	97	77450	21.496	ug/l		98
53) 1,3-Dichloropropane	8.60	76	136232	22.059	ug/l		100
54) 2-Hexanone	8.71	43	286606	142.839	ug/l		87
55) Dibromochloromethane	8.84	129	97475	23.498	ug/l		100
56) 1,2-Dibromoethane	8.95	107	74105	21.360	ug/l		97
58) Tetrachloroethene	8.58	164	97045	18.174	ug/l		95
59) Chlorobenzene	9.47	112	283401	20.597	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.56	131	104073	23.683	ug/l		96
61) Pentachloroethane	11.45	117	81457	28.730	ug/l		96
62) Hexachloroethane	12.49	117	90812	25.133	ug/l		84
63) Ethyl Benzene	9.59	91	529663	22.969	ug/l		95
64) m/p-Xylenes	9.71	106	390508	42.783	ug/l		88
65) o-Xylene	10.12	106	189505	21.440	ug/l		89
66) Styrene	10.13	104	323422	21.850	ug/l		94
67) Bromoform	10.31	173	55078	23.189	ug/l	#	98
69) Isopropylbenzene	10.50	105	523202	22.533	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.80	83	103367	22.739	ug/l		97
71) 1,2,3-Trichloropropane	10.85	75	80956m	24.959	ug/l		
72) Bromobenzene	10.80	156	117440	20.993	ug/l		89
73) n-propylbenzene	10.92	120	142335	21.847	ug/l		78
74) 2-Chlorotoluene	11.01	126	123681	22.102	ug/l		87
75) 1,3,5-Trimethylbenzene	11.11	105	463863	23.293	ug/l		93
76) 4-Chlorotoluene	11.11	126	126520	21.882	ug/l		79
77) tert-Butylbenzene	11.44	119	435406	23.073	ug/l		93
78) 1,2,4-Trimethylbenzene	11.48	105	475743	23.168	ug/l		95
79) sec-Butylbenzene	11.66	105	600517	22.938	ug/l		98
80) Nitrobenzene	13.24	77	16285	249.645	ug/l		94
81) p-Isopropyltoluene	11.81	119	495834	22.659	ug/l		95
82) 1,3-Dichlorobenzene	11.76	146	239347	21.385	ug/l		98
83) 1,4-Dichlorobenzene	11.85	146	238699	21.338	ug/l		98
84) n-Butylbenzene	12.22	91	482800	23.857	ug/l		97
85) 1,2-Dichlorobenzene	12.23	146	220053	20.546	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	19339	25.133	ug/l	#	79
87) 1,2,4-Trichlorobenzene	13.87	180	139356	20.342	ug/l		98
88) Hexachlorobutadiene	14.05	225	69041	18.387	ug/l		99
89) Naphthalene	14.12	128	265538	22.497	ug/l		100
90) 1,2,3-Trichlorobenzene	14.37	180	126034	19.561	ug/l		98

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

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