Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031020\
Data File : VU037147.D
Acq On : 10 Mar 2020 12:10
Operator : JC/MD
Sample : L1161-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

Manual Integrations APPROVED

sam

3/11/2020 3:32:21 PM

Quant Time: Mar 10 13:09:08 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	14380	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	5104	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	5328	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	3669	0.523	ug/l		97
3) Chloromethane	1.54	50	4055	0.581	ug/l		98
4) Vinyl Chloride	1.62	62	3198	0.521	ug/l		98
5) Bromomethane	1.87	94	1285	0.601	ug/l		88
6) Chloroethane	1.95	64	1630	0.555	ug/l		98
7) Trichlorofluoromethane	2.16	101	4006	0.537	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1976	0.565	ug/l		96
9) 1,1-Dichloroethene	2.61	96	1700	0.511	ug/l		91
10) Iodomethane	2.74	142	315	0.492	ug/l		92
11) Allyl Chloride	2.95	41	3581	0.555	ug/l	#	62
12) Acrylonitrile	3.37	53	883	1.123	ug/l	#	66
13) Acetone	2.68	43	2744	3.139	ug/l	#	74
14) Carbon Disulfide	2.82	76	6032	0.545	ug/l	#	94
15) Methylene Chloride	3.08	84	2099	0.503	ug/l		87
16) trans-1,2-Dichloroethene	3.38	96	1912	0.541	ug/l		96
17) 1,1-Dichloroethane	3.91	63	4568	0.558	ug/l	#	94
18) 2-Butanone	4.78	43	3540	2.649	ug/l		75
19) Cyclohexane	5.42	56	3394m	0.487	ug/l		
20) Methylcyclohexane	6.79	83	2983	0.433	ug/l	#	87
21) 2,2-Dichloropropane	4.70	77	3991	0.534	ug/l	#	67
22) cis-1,2-Dichloroethene	4.71	96	2426	0.555	ug/l		89
23) Diethyl Ether	2.40	59	1416	0.503	ug/l	#	86
24) tert-Butyl Alcohol	3.28	59	1816	5.896	ug/l	#	72
25) Methyl tert-Butyl Ether	3.42	73	5345	0.549	ug/l		95
26) Bromochloromethane	5.01	128	1014	0.527	ug/l		82
27) Chloroform	5.13	83	4780	0.542	ug/l		94
28) 1,1,1-Trichloroethane	5.36	97	3978	0.529	ug/l		93
29) 1,1-Dichloropropene	5.56	75	2909	0.476	ug/l		95
30) Carbon Tetrachloride	5.56	117	3125	0.475	ug/l		99
31) Isopropyl Ether	4.05	45	6169	0.472	ug/l		78
32) Ethyl-t-butyl ether	4.55	59	6064	0.491	ug/l		95
33) Tert-Amyl methyl ether	5.99	73	5262	0.497	ug/l		93
34) Propionitrile	4.86	54	928	2.640	ug/l	#	62
35) Benzene	5.81	78	9130	0.526	ug/l		91
36) 1,2-Dichloroethane	5.83	62	3229	0.513	ug/l	#	87
37) Trichloroethene	6.57	130	2414	0.530	ug/l		85
38) 1,2-Dichloropropane	6.83	63	2384	0.501	ug/l		96
39) Methacrylonitrile	5.03	41	798	0.471	ug/l	#	62
40) Methyl acrylate	4.90	55	1130m	0.482	ug/l		
41) Tetrahydrofuran	5.12	42	862	1.019	ug/l	#	55
42) 1-Chlorobutane	5.50	56	4400	0.500	ug/l		79

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Quant Time: Mar 10 13:09:08 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)
43) Dibromomethane	6.95	93	1280	0.524 ug/l	#	86
44) Bromodichloromethane	7.14	83	3142	0.494 ug/l		99
45) 4-Methyl-2-Pentanone	7.83	43	8381	2.560 ug/l	#	80
46) t-1,4-Dichloro-2-butene	10.86	75	958m	1.069 ug/l		
47) Methyl methacrylate	7.00	69	1787	0.886 ug/l	#	62
48) Ethyl methacrylate	8.37	69	1603	0.402 ug/l		67
49) Toluene	8.00	92	4836	0.462 ug/l		97
50) t-1,3-Dichloropropene	8.24	75	2585	0.452 ug/l		97
51) cis-1,3-Dichloropropene	7.63	75	2891	0.442 ug/l	#	83
52) 1,1,2-Trichloroethane	8.43	97	1882	0.578 ug/l	#	83
53) 1,3-Dichloropropane	8.60	76	2957	0.512 ug/l		97
54) 2-Hexanone	8.72	43	4903	2.174 ug/l		80
55) Dibromochloromethane	8.83	129	1997	0.495 ug/l		98
56) 1,2-Dibromoethane	8.95	107	1467	0.476 ug/l		100
58) Tetrachloroethene	8.58	164	2273	0.532 ug/l		89
59) Chlorobenzene	9.47	112	6079	0.520 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.56	131	2230	0.521 ug/l		95
61) Pentachloroethane	11.44	117	1807	0.553 ug/l		82
62) Hexachloroethane	12.49	117	1574	0.450 ug/l		85
63) Ethyl Benzene	9.59	91	8758	0.439 ug/l		93
64) m/p-Xylenes	9.72	106	6572	0.870 ug/l		98
65) o-Xylene	10.12	106	3006	0.412 ug/l		81
66) Styrene	10.14	104	4475	0.375 ug/l	#	91
67) Bromoform	10.31	173	900	0.423 ug/l	#	91
69) Isopropylbenzene	10.50	105	8154	0.410 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.80	83	2060	0.481 ug/l	#	99
71) 1,2,3-Trichloropropane	10.84	75	1444m	0.412 ug/l		
72) Bromobenzene	10.80	156	2104	0.438 ug/l		82
73) n-propylbenzene	10.92	120	2032	0.386 ug/l	#	63
74) 2-Chlorotoluene	11.01	126	1723	0.361 ug/l		48
75) 1,3,5-Trimethylbenzene	11.11	105	7230	0.420 ug/l		99
76) 4-Chlorotoluene	11.12	126	1974	0.411 ug/l		82
77) tert-Butylbenzene	11.44	119	7038	0.420 ug/l		94
78) 1,2,4-Trimethylbenzene	11.48	105	6768	0.390 ug/l		93
79) sec-Butylbenzene	11.66	105	9454	0.414 ug/l		95
81) p-Isopropyltoluene	11.81	119	6967	0.387 ug/l	#	92
82) 1,3-Dichlorobenzene	11.77	146	4738	0.497 ug/l		97
83) 1,4-Dichlorobenzene	11.86	146	4268	0.442 ug/l		98
84) n-Butylbenzene	12.23	91	6469	0.380 ug/l	#	90
85) 1,2-Dichlorobenzene	12.23	146	4283	0.465 ug/l		92
86) 1,2-Dibromo-3-Chloropropan	13.02	75	257	0.340 ug/l	#	58
87) 1,2,4-Trichlorobenzene	13.88	180	1785	0.385 ug/l		85
88) Hexachlorobutadiene	14.05	225	1357	0.473 ug/l		91
89) Naphthalene	14.13	128	2272	0.534 ug/l	#	91
90) 1,2,3-Trichlorobenzene	14.37	180	1645	0.365 ug/l		97

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

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