Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037129.D
Acq On : 09 Mar 2020 12:23
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
sam
3/10/2020 3:06:14 PM

Quant Time: Mar 09 15:38:51 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	16467	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	5527	0.89	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	5845	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	4202	0.772	ug/l		99
3) Chloromethane	1.54	50	4266	0.731	ug/l		97
4) Vinyl Chloride	1.62	62	3635	0.550	ug/l		96
5) Bromomethane	1.88	94	1516	0.369	ug/l		92
6) Chloroethane	1.95	64	1838	0.469	ug/l		96
7) Trichlorofluoromethane	2.16	101	4459	0.683	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1907	0.469	ug/l	#	90
9) 1,1-Dichloroethene	2.61	96	2121	0.490	ug/l		84
11) Allyl Chloride	2.95	41	3942m	0.658	ug/l		
12) Acrylonitrile	3.36	53	931	0.877	ug/l	#	74
13) Acetone	2.67	43	2871	3.316	ug/l	#	60
14) Carbon Disulfide	2.82	76	6796	0.453	ug/l		96
15) Methylene Chloride	3.08	84	2893	0.507	ug/l	#	79
16) trans-1,2-Dichloroethene	3.38	96	2074	0.434	ug/l	#	74
17) 1,1-Dichloroethane	3.91	63	5121	0.658	ug/l	#	94
18) 2-Butanone	4.78	43	4247	3.724	ug/l		98
19) Cyclohexane	5.42	56	3906m	0.549	ug/l		
20) Methylcyclohexane	6.79	83	3896	0.490	ug/l	#	85
21) 2,2-Dichloropropane	4.70	77	4593	0.691	ug/l		91
22) cis-1,2-Dichloroethene	4.71	96	2247	0.453	ug/l		55
23) Diethyl Ether	2.40	59	1764	0.527	ug/l		88
24) tert-Butyl Alcohol	3.30	59	1419m	4.747	ug/l		
25) Methyl tert-Butyl Ether	3.41	73	5937	0.523	ug/l	#	59
26) Bromochloromethane	5.02	128	1133	0.528	ug/l		76
27) Chloroform	5.13	83	5822	0.756	ug/l		97
28) 1,1,1-Trichloroethane	5.35	97	4367	0.676	ug/l		95
29) 1,1-Dichloropropene	5.56	75	3529	0.560	ug/l		94
30) Carbon Tetrachloride	5.56	117	3962	0.717	ug/l		91
31) Isopropyl Ether	4.05	45	7842	0.664	ug/l		83
32) Ethyl-t-butyl ether	4.56	59	7367	0.596	ug/l		87
33) Tert-Amyl methyl ether	5.99	73	6086	0.538	ug/l		99
34) Propionitrile	4.87	54	985m	2.997	ug/l		
35) Benzene	5.81	78	10393	0.570	ug/l		96
36) 1,2-Dichloroethane	5.84	62	4060	0.827	ug/l	#	89
37) Trichloroethene	6.57	130	2762	0.548	ug/l		92
38) 1,2-Dichloropropane	6.83	63	2905	0.633	ug/l		96
39) Methacrylonitrile	5.03	41	1014	0.734	ug/l	#	58
40) Methyl acrylate	4.91	55	1408m	0.643	ug/l		
41) Tetrahydrofuran	5.12	42	984	1.307	ug/l	#	65
42) 1-Chlorobutane	5.50	56	5163	0.632	ug/l		76
43) Dibromomethane	6.95	93	1408	0.588	ug/l		92

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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)
44) Bromodichloromethane	7.14	83	3933	0.694 ug/l	#	97
45) 4-Methyl-2-Pentanone	7.83	43	9888	3.665 ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.86	75	1120m	0.943 ug/l		
47) Methyl methacrylate	7.00	69	2036	0.868 ug/l	#	56
48) Ethyl methacrylate	8.37	69	2261	0.499 ug/l		74
49) Toluene	8.00	92	5930	0.509 ug/l		97
50) t-1,3-Dichloropropene	8.24	75	3212	0.569 ug/l		92
51) cis-1,3-Dichloropropene	7.64	75	3709	0.542 ug/l	#	78
52) 1,1,2-Trichloroethane	8.43	97	1835	0.540 ug/l		97
53) 1,3-Dichloropropane	8.61	76	3455	0.593 ug/l		99
54) 2-Hexanone	8.73	43	6457	3.413 ug/l		84
55) Dibromochloromethane	8.84	129	2449	0.626 ug/l		97
56) 1,2-Dibromoethane	8.95	107	1719	0.525 ug/l		98
58) Tetrachloroethene	8.57	164	2617	0.520 ug/l		90
59) Chlorobenzene	9.47	112	7095	0.547 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.56	131	2373	0.573 ug/l		98
61) Pentachloroethane	11.45	117	1873	0.701 ug/l		83
62) Hexachloroethane	12.49	117	1874	0.550 ug/l		88
63) Ethyl Benzene	9.59	91	10821	0.498 ug/l		96
64) m/p-Xylenes	9.72	106	8015	0.931 ug/l		88
65) o-Xylene	10.12	106	3867	0.464 ug/l		94
66) Styrene	10.14	104	5931	0.425 ug/l		95
67) Bromoform	10.31	173	1104	0.493 ug/l	#	88
69) Isopropylbenzene	10.50	105	10571	0.483 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.80	83	2264	0.528 ug/l		89
71) 1,2,3-Trichloropropane	10.84	75	1941m	0.635 ug/l		
72) Bromobenzene	10.81	156	2702	0.512 ug/l		94
73) n-propylbenzene	10.92	120	2630	0.428 ug/l	#	65
74) 2-Chlorotoluene	11.01	126	2557	0.485 ug/l		81
75) 1,3,5-Trimethylbenzene	11.11	105	8443	0.450 ug/l		96
76) 4-Chlorotoluene	11.11	126	2350	0.431 ug/l		65
77) tert-Butylbenzene	11.44	119	9229	0.519 ug/l		98
78) 1,2,4-Trimethylbenzene	11.48	105	8535	0.441 ug/l		95
79) sec-Butylbenzene	11.66	105	12169	0.493 ug/l		94
81) p-Isopropyltoluene	11.81	119	8644	0.419 ug/l		96
82) 1,3-Dichlorobenzene	11.77	146	5167	0.490 ug/l		95
83) 1,4-Dichlorobenzene	11.85	146	5440	0.516 ug/l		98
84) n-Butylbenzene	12.23	91	7692	0.403 ug/l	#	95
85) 1,2-Dichlorobenzene	12.23	146	5391	0.534 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	390m	0.538 ug/l		
87) 1,2,4-Trichlorobenzene	13.88	180	2025	0.313 ug/l		95
88) Hexachlorobutadiene	14.06	225	1745	0.493 ug/l	#	86
89) Naphthalene	14.13	128	3332	0.299 ug/l		98
90) 1,2,3-Trichlorobenzene	14.37	180	2090	0.344 ug/l		91

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

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