Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050420\
Data File : VU037996.D
Acq On : 04 May 2020 10:44
Operator : JC/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
apatel
5/5/2020 11:15:36 AM

Quant Time: May 05 01:46:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U050420DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 05 01:36:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	89984	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	34976	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	33882	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	15343	0.367	ug/l		97
3) Chloromethane	1.54	50	19367	0.460	ug/l		99
4) Vinyl Chloride	1.62	62	18135	0.479	ug/l		98
5) Bromomethane	1.87	94	13683	0.958	ug/l		100
6) Chloroethane	1.95	64	10834	0.571	ug/l		96
7) Trichlorofluoromethane	2.16	101	18278	0.403	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	11616	0.525	ug/l		97
9) 1,1-Dichloroethene	2.61	96	11921	0.562	ug/l		96
10) Iodomethane	2.75	142	2335	0.221	ug/l		100
11) Allyl Chloride	2.95	41	22661	0.552	ug/l		96
12) Acrylonitrile	3.36	53	6348	1.225	ug/l		86
13) Acetone	2.66	43	14935	2.710	ug/l		95
14) Carbon Disulfide	2.82	76	44736	0.623	ug/l		97
15) Methylene Chloride	3.08	84	21638	0.805	ug/l		95
16) trans-1,2-Dichloroethene	3.39	96	13684	0.603	ug/l		97
17) 1,1-Dichloroethane	3.91	63	25125	0.493	ug/l		98
18) 2-Butanone	4.76	43	19964	2.402	ug/l		98
19) Cyclohexane	5.42	56	24186m	0.551	ug/l		
20) Methylcyclohexane	6.79	83	22639	0.520	ug/l		94
21) 2,2-Dichloropropane	4.71	77	20795	0.452	ug/l		97
22) cis-1,2-Dichloroethene	4.71	96	13491	0.494	ug/l		94
23) Diethyl Ether	2.40	59	10400	0.572	ug/l		99
24) tert-Butyl Alcohol	3.24	59	13178	6.763	ug/l	#	93
25) Methyl tert-Butyl Ether	3.41	73	33618	0.545	ug/l	#	85
26) Bromochloromethane	5.02	128	5646	0.476	ug/l		96
27) Chloroform	5.12	83	24091	0.447	ug/l		100
28) 1,1,1-Trichloroethane	5.35	97	19116	0.418	ug/l		97
29) 1,1-Dichloropropene	5.56	75	19442	0.509	ug/l		97
30) Carbon Tetrachloride	5.56	117	15814	0.400	ug/l		97
31) Isopropyl Ether	4.04	45	39216	0.481	ug/l		94
32) Ethyl-t-butyl ether	4.56	59	35819	0.469	ug/l		100
33) Tert-Amyl methyl ether	5.98	73	31467	0.481	ug/l		99
34) Propionitrile	4.83	54	5333	2.435	ug/l	#	91
35) Benzene	5.81	78	54337	0.502	ug/l		96
36) 1,2-Dichloroethane	5.83	62	15840	0.414	ug/l		98
37) Trichloroethene	6.57	130	14823	0.521	ug/l		97
38) 1,2-Dichloropropane	6.82	63	14587	0.493	ug/l		100
39) Methacrylonitrile	5.02	41	5603	0.536	ug/l		94
40) Methyl acrylate	4.89	55	7419	0.502	ug/l	#	90
41) Tetrahydrofuran	5.11	42	5617	1.077	ug/l		96
42) 1-Chlorobutane	5.49	56	27411	0.500	ug/l		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.95	93	7059	0.473	ug/l		93
44) Bromodichloromethane	7.14	83	16614	0.429	ug/l		92
45) 4-Methyl-2-Pentanone	7.83	43	47863	2.383	ug/l		100
46) t-1,4-Dichloro-2-butene	10.85	75	5733m	1.046	ug/l		
47) Methyl methacrylate	7.00	69	13264	1.051	ug/l		97
48) Ethyl methacrylate	8.36	69	12229	0.491	ug/l		100
49) Toluene	7.99	92	33558	0.514	ug/l		99
50) t-1,3-Dichloropropene	8.23	75	16750	0.471	ug/l		91
51) cis-1,3-Dichloropropene	7.64	75	20851	0.509	ug/l		99
52) 1,1,2-Trichloroethane	8.43	97	9732	0.485	ug/l		94
53) 1,3-Dichloropropane	8.60	76	17765	0.493	ug/l		99
54) 2-Hexanone	8.71	43	33547	2.430	ug/l		98
55) Dibromochloromethane	8.84	129	9983	0.408	ug/l		98
56) 1,2-Dibromoethane	8.95	107	9185	0.488	ug/l		95
58) Tetrachloroethene	8.57	164	13314	0.499	ug/l		97
59) Chlorobenzene	9.47	112	35497	0.488	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.56	131	10559	0.408	ug/l		95
61) Pentachloroethane	11.44	117	7817	0.396	ug/l		91
62) Hexachloroethane	12.49	117	8250	0.393	ug/l		98
63) Ethyl Benzene	9.59	91	61821	0.498	ug/l		99
64) m/p-Xylenes	9.72	106	46658	0.992	ug/l		98
65) o-Xylene	10.12	106	23398	0.514	ug/l		99
66) Styrene	10.13	104	36505	0.491	ug/l		100
67) Bromoform	10.31	173	5437	0.424	ug/l		98
69) Isopropylbenzene	10.50	105	59641	0.483	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.80	83	12507	0.475	ug/l		96
71) 1,2,3-Trichloropropane	10.85	75	7869m	0.379	ug/l		
72) Bromobenzene	10.80	156	13242	0.443	ug/l		95
73) n-propylbenzene	10.92	120	15715	0.479	ug/l		93
74) 2-Chlorotoluene	11.00	126	13607	0.463	ug/l		96
75) 1,3,5-Trimethylbenzene	11.11	105	48748	0.461	ug/l		100
76) 4-Chlorotoluene	11.11	126	13890	0.468	ug/l		96
77) tert-Butylbenzene	11.44	119	46346	0.449	ug/l		98
78) 1,2,4-Trimethylbenzene	11.48	105	49750	0.467	ug/l		98
79) sec-Butylbenzene	11.66	105	66148	0.467	ug/l		100
80) Nitrobenzene	13.23	77	2042	3.402	ug/l	#	64
81) p-Isopropyltoluene	11.81	119	51109	0.459	ug/l		99
82) 1,3-Dichlorobenzene	11.76	146	28658	0.485	ug/l		98
83) 1,4-Dichlorobenzene	11.85	146	29872	0.500	ug/l		97
84) n-Butylbenzene	12.22	91	51769	0.486	ug/l		99
85) 1,2-Dichlorobenzene	12.23	146	27200	0.477	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	2042	0.454	ug/l		90
87) 1,2,4-Trichlorobenzene	13.87	180	20027	0.668	ug/l		99
88) Hexachlorobutadiene	14.06	225	8570	0.479	ug/l		94
89) Naphthalene	14.12	128	38202	0.735	ug/l		99
90) 1,2,3-Trichlorobenzene	14.37	180	18099	0.627	ug/l		94

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

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