Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072920\
Data File : VU039697.D
Acq On : 29 Jul 2020 11:41
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
7/31/2020 3:42:50 PM

Quant Time: Jul 30 01:31:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	20441	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.64	95	7511	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery = 94.00%			
68) 1,2-Dichlorobenzene-d4	12.19	152	7605	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	14147	2.026	ug/l	96
3) Chloromethane	1.53	50	17876	2.151	ug/l	99
4) Vinyl Chloride	1.61	62	16498	2.026	ug/l	94
5) Bromomethane	1.86	94	11664	2.310	ug/l	97
6) Chloroethane	1.94	64	10858	2.187	ug/l	98
7) Trichlorofluoromethane	2.15	101	21571	2.431	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12839	2.359	ug/l	99
9) 1,1-Dichloroethene	2.59	96	11308	2.092	ug/l	92
10) Iodomethane	2.74	142	10492	2.918	ug/l	98
11) Allyl Chloride	2.94	41	24336	2.378	ug/l	99
12) Acrylonitrile	3.33	53	8124	5.290	ug/l	93
13) Acetone	2.64	43	17462	13.735	ug/l	96
14) Carbon Disulfide	2.81	76	42526	2.155	ug/l	98
15) Methylene Chloride	3.06	84	15198	2.027	ug/l	93
16) trans-1,2-Dichloroethene	3.37	96	13452	2.269	ug/l	98
17) 1,1-Dichloroethane	3.89	63	29692	2.565	ug/l	99
18) 2-Butanone	4.74	43	32226	16.430	ug/l	99
19) Cyclohexane	5.40	56	28243m	2.535	ug/l	
20) Methylcyclohexane	6.77	83	19255	1.827	ug/l	96
21) 2,2-Dichloropropane	4.68	77	22714	2.374	ug/l	99
22) cis-1,2-Dichloroethene	4.69	96	14029	2.232	ug/l	97
23) Diethyl Ether	2.39	59	12110	2.499	ug/l	94
24) tert-Butyl Alcohol	3.20	59	18157	32.870	ug/l	95
25) Methyl tert-Butyl Ether	3.39	73	38306	2.505	ug/l	98
26) Bromochloromethane	4.99	128	6004	2.368	ug/l	96
27) Chloroform	5.11	83	27101	2.505	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	22451	2.530	ug/l	98
29) 1,1-Dichloropropene	5.54	75	21322	2.409	ug/l	98
30) Carbon Tetrachloride	5.53	117	17662	2.388	ug/l	95
31) Isopropyl Ether	4.02	45	52469	2.706	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	45566	2.635	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	30925	2.136	ug/l	98
34) Propionitrile	4.80	54	8253	15.145	ug/l #	94
35) Benzene	5.79	78	50162	2.066	ug/l	98
36) 1,2-Dichloroethane	5.82	62	19580	2.606	ug/l	100
37) Trichloroethene	6.55	130	11832	1.882	ug/l	91
38) 1,2-Dichloropropane	6.81	63	14240	2.148	ug/l	100
39) Methacrylonitrile	5.00	41	8290	3.222	ug/l	94
40) Methyl acrylate	4.87	55	10832	2.899	ug/l	99
41) Tetrahydrofuran	5.09	42	7883	6.096	ug/l	99
42) 1-Chlorobutane	5.47	56	33161	2.555	ug/l	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.93	93	7711	2.451	ug/l		98
44) Bromodichloromethane	7.12	83	16828	2.152	ug/l		96
45) 4-Methyl-2-Pentanone	7.81	43	54848	12.383	ug/l		99
46) t-1,4-Dichloro-2-butene	10.83	75	7113m	5.255	ug/l		
47) Methyl methacrylate	6.98	69	14122	4.430	ug/l		99
48) Ethyl methacrylate	8.35	69	12235	2.085	ug/l		100
49) Toluene	7.98	92	29887	1.948	ug/l		100
50) t-1,3-Dichloropropene	8.22	75	14849	1.885	ug/l		99
51) cis-1,3-Dichloropropene	7.62	75	18014	1.923	ug/l		99
52) 1,1,2-Trichloroethane	8.41	97	9919	2.255	ug/l		98
53) 1,3-Dichloropropane	8.58	76	19077	2.305	ug/l		99
54) 2-Hexanone	8.70	43	38924	12.392	ug/l		96
55) Dibromochloromethane	8.82	129	10099	2.074	ug/l		98
56) 1,2-Dibromoethane	8.93	107	9313	2.227	ug/l		99
58) Tetrachloroethene	8.56	164	10638	1.845	ug/l		91
59) Chlorobenzene	9.45	112	30372	1.872	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.54	131	10544	2.111	ug/l		97
61) Pentachloroethane	11.43	117	9219	2.385	ug/l		91
62) Hexachloroethane	12.47	117	8345	2.107	ug/l		93
63) Ethyl Benzene	9.57	91	53735	1.849	ug/l		99
64) m/p-Xylenes	9.70	106	42647	3.801	ug/l		99
65) o-Xylene	10.10	106	20208	1.858	ug/l		100
66) Styrene	10.12	104	33989	1.882	ug/l		99
67) Bromoform	10.29	173	5230	2.045	ug/l		94
69) Isopropylbenzene	10.48	105	52177	1.833	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	14393	2.489	ug/l		98
71) 1,2,3-Trichloropropane	10.83	75	10644m	2.439	ug/l		
72) Bromobenzene	10.78	156	12647	1.999	ug/l		96
73) n-propylbenzene	10.91	120	14869	1.900	ug/l		100
74) 2-Chlorotoluene	10.99	126	13182	2.006	ug/l		97
75) 1,3,5-Trimethylbenzene	11.09	105	46223	1.937	ug/l		96
76) 4-Chlorotoluene	11.10	126	13575	1.983	ug/l		98
77) tert-Butylbenzene	11.42	119	43526	1.920	ug/l		99
78) 1,2,4-Trimethylbenzene	11.47	105	47745	1.942	ug/l		99
79) sec-Butylbenzene	11.64	105	64045	1.977	ug/l		99
80) Nitrobenzene	13.20	77	939	5.979	ug/l	#	94
81) p-Isopropyltoluene	11.79	119	51333	1.961	ug/l		99
82) 1,3-Dichlorobenzene	11.74	146	26808	2.028	ug/l		98
83) 1,4-Dichlorobenzene	11.83	146	26826	2.006	ug/l		99
84) n-Butylbenzene	12.20	91	53691	2.042	ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	26577	2.143	ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2342	2.489	ug/l		94
87) 1,2,4-Trichlorobenzene	13.83	180	14983	1.687	ug/l		98
88) Hexachlorobutadiene	14.01	225	7062	1.796	ug/l		98
89) Naphthalene	14.08	128	30264	1.732	ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	14870	1.869	ug/l		97

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

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