Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050420\
Data File : VU037998.D
Acq On : 04 May 2020 11:44
Operator : JC/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
apatel
5/5/2020 11:15:41 AM

Quant Time: May 05 01:52:22 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	6.14	96	88748	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	34213	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	34002	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	57536	1.396	ug/l		99
3) Chloromethane	1.54	50	66618	1.603	ug/l		99
4) Vinyl Chloride	1.62	62	66658	1.784	ug/l		100
5) Bromomethane	1.87	94	41175	2.923	ug/l		97
6) Chloroethane	1.95	64	40326	2.155	ug/l		98
7) Trichlorofluoromethane	2.16	101	69696	1.559	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42756	1.958	ug/l		99
9) 1,1-Dichloroethene	2.60	96	43967	2.102	ug/l		97
10) Iodomethane	2.75	142	21341	2.044	ug/l		98
11) Allyl Chloride	2.95	41	80627	1.990	ug/l		99
12) Acrylonitrile	3.35	53	23761	4.648	ug/l	#	93
13) Acetone	2.65	43	44710	8.226	ug/l		98
14) Carbon Disulfide	2.82	76	159988	2.258	ug/l		98
15) Methylene Chloride	3.07	84	58772	2.217	ug/l		98
16) trans-1,2-Dichloroethene	3.38	96	46919	2.096	ug/l		97
17) 1,1-Dichloroethane	3.91	63	90954	1.811	ug/l		99
18) 2-Butanone	4.76	43	72674	8.865	ug/l		99
19) Cyclohexane	5.42	56	87532m	2.021	ug/l		
20) Methylcyclohexane	6.79	83	85022	1.980	ug/l		99
21) 2,2-Dichloropropane	4.70	77	74237	1.637	ug/l		97
22) cis-1,2-Dichloroethene	4.71	96	49444	1.835	ug/l		98
23) Diethyl Ether	2.40	59	39026	2.176	ug/l		100
24) tert-Butyl Alcohol	3.23	59	43523	22.646	ug/l		97
25) Methyl tert-Butyl Ether	3.40	73	118925	1.955	ug/l		98
26) Bromochloromethane	5.01	128	20959	1.791	ug/l		97
27) Chloroform	5.12	83	83896	1.577	ug/l		97
28) 1,1,1-Trichloroethane	5.35	97	68579	1.522	ug/l		98
29) 1,1-Dichloropropene	5.56	75	70117	1.863	ug/l		97
30) Carbon Tetrachloride	5.56	117	57525	1.474	ug/l		97
31) Isopropyl Ether	4.04	45	148056	1.842	ug/l		99
32) Ethyl-t-butyl ether	4.55	59	133277	1.770	ug/l		100
33) Tert-Amyl methyl ether	5.98	73	112916	1.751	ug/l		99
34) Propionitrile	4.82	54	20957	9.702	ug/l	#	97
35) Benzene	5.81	78	195054	1.828	ug/l		99
36) 1,2-Dichloroethane	5.83	62	59803	1.586	ug/l		99
37) Trichloroethene	6.57	130	50452	1.799	ug/l		97
38) 1,2-Dichloropropane	6.82	63	52709	1.808	ug/l		95
39) Methacrylonitrile	5.02	41	19699	1.909	ug/l		96
40) Methyl acrylate	4.89	55	27992	1.919	ug/l		99
41) Tetrahydrofuran	5.11	42	19343	3.761	ug/l		98
42) 1-Chlorobutane	5.49	56	101675	1.881	ug/l		99

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Dibromomethane	6.95	93	24751	1.680 ug/l	98
44) Bromodichloromethane	7.13	83	61253	1.604 ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	162636	8.210 ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	17592m	3.253 ug/l	
47) Methyl methacrylate	6.99	69	49475	3.974 ug/l	99
48) Ethyl methacrylate	8.36	69	44398	1.809 ug/l	100
49) Toluene	7.99	92	122269	1.900 ug/l	98
50) t-1,3-Dichloropropene	8.23	75	62068	1.771 ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	73498	1.818 ug/l	97
52) 1,1,2-Trichloroethane	8.42	97	34918	1.763 ug/l	100
53) 1,3-Dichloropropane	8.60	76	65863	1.855 ug/l	99
54) 2-Hexanone	8.71	43	115320	8.471 ug/l	99
55) Dibromochloromethane	8.83	129	37291	1.546 ug/l	100
56) 1,2-Dibromoethane	8.94	107	33220	1.789 ug/l	100
58) Tetrachloroethene	8.57	164	48282	1.833 ug/l	97
59) Chlorobenzene	9.47	112	132613	1.848 ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.55	131	38786	1.521 ug/l	99
61) Pentachloroethane	11.44	117	29371	1.509 ug/l	100
62) Hexachloroethane	12.49	117	30474	1.474 ug/l	99
63) Ethyl Benzene	9.59	91	233235	1.904 ug/l	100
64) m/p-Xylenes	9.71	106	179846	3.879 ug/l	99
65) o-Xylene	10.12	106	87848	1.958 ug/l	99
66) Styrene	10.13	104	140865	1.922 ug/l	99
67) Bromoform	10.31	173	19291	1.524 ug/l	96
69) Isopropylbenzene	10.50	105	224186	1.840 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.80	83	44724	1.722 ug/l	99
71) 1,2,3-Trichloropropane	10.84	75	34960m	1.707 ug/l	
72) Bromobenzene	10.80	156	51227	1.738 ug/l	98
73) n-propylbenzene	10.92	120	61180	1.890 ug/l	94
74) 2-Chlorotoluene	11.00	126	52648	1.818 ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	186426	1.786 ug/l	100
76) 4-Chlorotoluene	11.11	126	54010	1.843 ug/l	98
77) tert-Butylbenzene	11.43	119	180711	1.775 ug/l	100
78) 1,2,4-Trimethylbenzene	11.48	105	194117	1.846 ug/l	99
79) sec-Butylbenzene	11.66	105	258252	1.851 ug/l	99
80) Nitrobenzene	13.23	77	5570	9.408 ug/l	97
81) p-Isopropyltoluene	11.81	119	206945	1.885 ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	108351	1.861 ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	107506	1.824 ug/l	99
84) n-Butylbenzene	12.22	91	206561	1.966 ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	98636	1.755 ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	6412	1.445 ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	70020	2.368 ug/l	99
88) Hexachlorobutadiene	14.05	225	31632	1.791 ug/l	99
89) Naphthalene	14.12	128	132865	2.592 ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	62586	2.198 ug/l	99

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

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