Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091119\
Data File : VU034468.D
Acq On : 11 Sep 2019 10:40
Operator : JC/SP
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDICC002

Manual Integrations APPROVED

Quant Time: Sep 12 02:31:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.72	96	62915	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.29	95	24043	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
68) 1,2-Dichlorobenzene-d4	11.84	152	26109	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	45179	1.762	ug/l		98
3) Chloromethane	1.33	50	49831	1.765	ug/l		100
4) Vinyl Chloride	1.40	62	48791	1.569	ug/l		99
5) Bromomethane	1.63	94	27150	1.399	ug/l		96
6) Chloroethane	1.70	64	28347	1.347	ug/l		96
7) Trichlorofluoromethane	1.88	101	60127	1.428	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33303	1.520	ug/l		98
9) 1,1-Dichloroethene	2.28	96	32020	1.482	ug/l		93
10) Iodomethane	2.40	142	24771	0.877	ug/l		98
11) Allyl Chloride	2.58	41	52451	1.472	ug/l		97
12) Acrylonitrile	2.93	53	13372	2.280	ug/l		99
13) Acetone	2.31	43	28059	5.585	ug/l		100
14) Carbon Disulfide	2.47	76	113131	1.389	ug/l		100
15) Methylene Chloride	2.69	84	37970	1.315	ug/l		98
16) trans-1,2-Dichloroethene	2.96	96	36759	1.441	ug/l		96
17) 1,1-Dichloroethane	3.42	63	70023	1.945	ug/l		99
18) 2-Butanone	4.26	43	37570	7.534	ug/l		99
19) Cyclohexane	4.97	56	52163m	1.950	ug/l		
20) Methylcyclohexane	6.39	83	54431	2.020	ug/l		98
21) 2,2-Dichloropropane	4.20	77	56183	1.837	ug/l		100
22) cis-1,2-Dichloroethene	4.21	96	38633	1.903	ug/l		99
23) Diethyl Ether	2.10	59	25198	1.380	ug/l		97
24) tert-Butyl Alcohol	2.82	59	34358	12.390	ug/l	#	95
25) Methyl tert-Butyl Ether	2.99	73	80075	1.318	ug/l		100
26) Bromochloromethane	4.53	128	16135	1.824	ug/l		95
27) Chloroform	4.65	83	71968	1.776	ug/l		98
28) 1,1,1-Trichloroethane	4.89	97	57171	1.825	ug/l		99
29) 1,1-Dichloropropene	5.11	75	47992	1.845	ug/l		98
30) Carbon Tetrachloride	5.11	117	50901	1.840	ug/l		99
31) Isopropyl Ether	3.56	45	96610	2.078	ug/l		95
32) Ethyl-t-butyl ether	4.05	59	82694	1.892	ug/l		99
33) Tert-Amyl methyl ether	5.56	73	67285	1.743	ug/l		98
34) Propionitrile	4.32	54	11430	8.108	ug/l	#	86
35) Benzene	5.37	78	144990	1.918	ug/l		99
36) 1,2-Dichloroethane	5.39	62	37763	1.557	ug/l		100
37) Trichloroethene	6.16	130	40079	1.987	ug/l		95
38) 1,2-Dichloropropane	6.41	63	39004	1.883	ug/l		97
39) Methacrylonitrile	4.53	41	9680	1.709	ug/l		93
40) Methyl acrylate	4.42	55	12955	1.473	ug/l		97
41) Tetrahydrofuran	4.63	42	9225	3.261	ug/l		96
42) 1-Chlorobutane	5.04	56	65595	1.868	ug/l		95

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9/12/2019 4:53:22 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Dibromomethane	6.54	93	18309	1.643 ug/l	97
44) Bromodichloromethane	6.74	83	47045	1.725 ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	90838	8.027 ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	13518m	3.016 ug/l	
47) Methyl methacrylate	6.61	69	28594	3.356 ug/l	99
48) Ethyl methacrylate	8.00	69	24603m	1.629 ug/l	
49) Toluene	7.62	92	83786	1.935 ug/l	99
50) t-1,3-Dichloropropene	7.86	75	35289	1.562 ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	45895	1.693 ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	25183	1.684 ug/l	99
53) 1,3-Dichloropropane	8.22	76	41510	1.639 ug/l	100
54) 2-Hexanone	8.35	43	58973	7.430 ug/l	95
55) Dibromochloromethane	8.46	129	31382	1.781 ug/l	99
56) 1,2-Dibromoethane	8.57	107	23301	1.674 ug/l	94
58) Tetrachloroethene	8.21	164	41032	2.231 ug/l	97
59) Chlorobenzene	9.10	112	94652	1.912 ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.19	131	35528	1.892 ug/l	98
61) Pentachloroethane	11.08	117	28667	1.869 ug/l	97
62) Hexachloroethane	12.12	117	23815	1.628 ug/l	100
63) Ethyl Benzene	9.23	91	143367	1.802 ug/l	100
64) m/p-Xylenes	9.35	106	118298	3.711 ug/l	98
65) o-Xylene	9.76	106	57135	1.872 ug/l	98
66) Styrene	9.77	104	93778	1.820 ug/l	97
67) Bromoform	9.94	173	18447	1.917 ug/l	98
69) Isopropylbenzene	10.14	105	146721	1.870 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	31523	1.594 ug/l	97
71) 1,2,3-Trichloropropane	10.48	75	23307m	1.520 ug/l	
72) Bromobenzene	10.43	156	39828	1.919 ug/l	96
73) n-propylbenzene	10.57	120	42358	1.890 ug/l	97
74) 2-Chlorotoluene	10.64	126	39571	1.945 ug/l	96
75) 1,3,5-Trimethylbenzene	10.75	105	136294	1.943 ug/l	99
76) 4-Chlorotoluene	10.75	126	39428	1.872 ug/l	97
77) tert-Butylbenzene	11.08	119	131283	1.956 ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	134885	1.884 ug/l	100
79) sec-Butylbenzene	11.30	105	178332	1.948 ug/l	100
80) Nitrobenzene	12.87	77	1839m	2.296 ug/l	
81) p-Isopropyltoluene	11.45	119	147277	1.968 ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	88151	2.004 ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	86496	1.992 ug/l	98
84) n-Butylbenzene	11.87	91	132140	1.752 ug/l	97
85) 1,2-Dichlorobenzene	11.86	146	77804	1.898 ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	4465	1.454 ug/l	95
87) 1,2,4-Trichlorobenzene	13.48	180	39850	1.631 ug/l	100
88) Hexachlorobutadiene	13.67	225	34193	2.187 ug/l	98
89) Naphthalene	13.73	128	45538	1.133 ug/l	98
90) 1,2,3-Trichlorobenzene	13.97	180	37532	1.592 ug/l	98

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

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