Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
Data File : VU028329.D
Acq On : 26 Nov 2018 10:37
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
11/30/2018 2:33:35 PM

Quant Time: Nov 27 00:55:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 00:37:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	49955	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	18028	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	17123	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	33996	1.892	ug/l	97
3) Chloromethane	1.32	50	55046	1.800	ug/l	99
4) Vinyl Chloride	1.40	62	38223	1.826	ug/l	99
5) Bromomethane	1.63	94	15311	1.856	ug/l	94
6) Chloroethane	1.70	64	23391	1.914	ug/l	92
7) Trichlorofluoromethane	1.89	101	44433	1.944	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25899	1.970	ug/l	99
9) 1,1-Dichloroethene	2.29	96	23916	1.966	ug/l	92
10) Iodomethane	2.41	142	14353	1.745	ug/l	96
11) Allyl Chloride	2.59	41	59507	1.938	ug/l	99
12) Acrylonitrile	2.95	53	14963	3.862	ug/l	93
13) Acetone	2.34	43	34048	9.484	ug/l	99
14) Carbon Disulfide	2.48	76	87592	1.896	ug/l	100
15) Methylene Chloride	2.70	84	27875	1.880	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	25946	1.906	ug/l	96
17) 1,1-Dichloroethane	3.44	63	58250	1.920	ug/l	99
18) 2-Butanone	4.29	43	50984	9.504	ug/l	100
19) Cyclohexane	4.99	56	50198	1.906	ug/l	98
20) Methylcyclohexane	6.41	83	48410	1.877	ug/l	97
21) 2,2-Dichloropropane	4.23	77	46549	1.911	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	31551	1.981	ug/l	99
23) Diethyl Ether	2.11	59	23497	1.927	ug/l	99
24) tert-Butyl Alcohol	2.87	59	23678	20.077	ug/l	100
25) Methyl tert-Butyl Ether	3.01	73	69582	1.926	ug/l	100
26) Bromochloromethane	4.56	128	11129	1.833	ug/l	87
27) Chloroform	4.67	83	57104	1.951	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	43694	1.912	ug/l	98
29) 1,1-Dichloropropene	5.13	75	42587	1.943	ug/l	98
30) Carbon Tetrachloride	5.13	117	34888	1.890	ug/l	98
31) Isopropyl Ether	3.58	45	102761	1.891	ug/l	97
32) Ethyl-t-butyl ether	4.08	59	83874	1.874	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	71063	1.914	ug/l	98
34) Propionitrile	4.35	54	12238	9.081	ug/l #	94
35) Benzene	5.39	78	123293	1.910	ug/l	97
36) 1,2-Dichloroethane	5.40	62	37100	1.922	ug/l	100
37) Trichloroethene	6.19	130	26213	1.865	ug/l	98
38) 1,2-Dichloropropane	6.43	63	35774	1.944	ug/l	93
39) Methacrylonitrile	4.56	41	12588	1.744	ug/l	90
40) Methyl acrylate	4.43	55	17928	1.805	ug/l	98
41) Tetrahydrofuran	4.66	42	14119	3.891	ug/l	97
42) 1-Chlorobutane	5.06	56	66471	1.907	ug/l	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 00:37:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Dibromomethane	6.56	93	15401	1.966 ug/l	97
44) Bromodichloromethane	6.76	83	40094	1.938 ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	118624	9.426 ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	14999m	3.324 ug/l	
47) Methyl methacrylate	6.63	69	29997	3.751 ug/l	97
48) Ethyl methacrylate	8.02	69	29047	1.816 ug/l	99
49) Toluene	7.64	92	68689	1.916 ug/l	99
50) t-1,3-Dichloropropene	7.88	75	37359	1.880 ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	46857	1.910 ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	20587	1.872 ug/l	94
53) 1,3-Dichloropropane	8.24	76	39466	1.921 ug/l	100
54) 2-Hexanone	8.37	43	84595	9.344 ug/l	100
55) Dibromochloromethane	8.48	129	22102	1.889 ug/l	96
56) 1,2-Dibromoethane	8.58	107	19237	1.920 ug/l	99
58) Tetrachloroethene	8.22	164	23791	1.849 ug/l	92
59) Chlorobenzene	9.12	112	69423	1.861 ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	24249	1.919 ug/l	98
61) Pentachloroethane	11.10	117	19103	1.942 ug/l	87
62) Hexachloroethane	12.14	117	17185	1.864 ug/l	99
63) Ethyl Benzene	9.25	91	131916	1.917 ug/l	99
64) m/p-Xylenes	9.37	106	93498	3.754 ug/l	98
65) o-Xylene	9.78	106	45718	1.902 ug/l	99
66) Styrene	9.79	104	79467	1.928 ug/l	98
67) Bromoform	9.96	173	12576	1.918 ug/l	99
69) Isopropylbenzene	10.16	105	120385	1.871 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	27431	1.859 ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	20781m	2.044 ug/l	
72) Bromobenzene	10.45	156	26973	1.888 ug/l	97
73) n-propylbenzene	10.58	120	31310	1.876 ug/l	99
74) 2-Chlorotoluene	10.66	126	27593	1.887 ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	102487	1.892 ug/l	98
76) 4-Chlorotoluene	10.77	126	27855	1.879 ug/l	99
77) tert-Butylbenzene	11.10	119	95463	1.872 ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	102988	1.856 ug/l	98
79) sec-Butylbenzene	11.32	105	132708	1.867 ug/l	99
80) Nitrobenzene	12.86	77	5449	8.198 ug/l	96
81) p-Isopropyltoluene	11.48	119	105023	1.859 ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	53828	1.881 ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	52739	1.852 ug/l	98
84) n-Butylbenzene	11.89	91	111259	1.876 ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	50479	1.854 ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4807	2.025 ug/l	89
87) 1,2,4-Trichlorobenzene	13.50	180	34864	1.821 ug/l	97
88) Hexachlorobutadiene	13.69	225	18757	1.811 ug/l	95
89) Naphthalene	13.74	128	66515	1.758 ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	32074	1.777 ug/l	99

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

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