Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
Data File : VU028328.D
Acq On : 26 Nov 2018 10:13
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
11/30/2018 2:33:32 PM

Quant Time: Nov 27 00:53:10 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	48928	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	17930	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	15861	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	17146	0.974	ug/l		97
3) Chloromethane	1.32	50	28683	0.957	ug/l		98
4) Vinyl Chloride	1.40	62	20397	0.995	ug/l		95
5) Bromomethane	1.63	94	9399	1.164	ug/l		96
6) Chloroethane	1.70	64	12124	1.013	ug/l		98
7) Trichlorofluoromethane	1.89	101	21781	0.973	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12956	1.006	ug/l		95
9) 1,1-Dichloroethene	2.29	96	11900	0.999	ug/l		97
10) Iodomethane	2.41	142	7216	0.896	ug/l		98
11) Allyl Chloride	2.59	41	30098	1.001	ug/l		96
12) Acrylonitrile	2.94	53	8466	2.231	ug/l		86
13) Acetone	2.33	43	18690	5.315	ug/l		93
14) Carbon Disulfide	2.48	76	45179	0.998	ug/l		99
15) Methylene Chloride	2.70	84	14262	0.982	ug/l		96
16) trans-1,2-Dichloroethene	2.98	96	13908	1.043	ug/l		97
17) 1,1-Dichloroethane	3.44	63	29640	0.997	ug/l		99
18) 2-Butanone	4.29	43	24579	4.678	ug/l		96
19) Cyclohexane	4.99	56	25237	0.978	ug/l		97
20) Methylcyclohexane	6.41	83	24192	0.958	ug/l		99
21) 2,2-Dichloropropane	4.22	77	24162	1.013	ug/l	#	76
22) cis-1,2-Dichloroethene	4.22	96	14972	0.960	ug/l		96
23) Diethyl Ether	2.11	59	12306	1.030	ug/l		99
24) tert-Butyl Alcohol	2.85	59	12624	10.929	ug/l	#	79
25) Methyl tert-Butyl Ether	3.01	73	35088	0.992	ug/l		95
26) Bromochloromethane	4.55	128	5983	1.006	ug/l		91
27) Chloroform	4.67	83	29394	1.026	ug/l		96
28) 1,1,1-Trichloroethane	4.92	97	23025	1.029	ug/l		95
29) 1,1-Dichloropropene	5.13	75	20923	0.974	ug/l		98
30) Carbon Tetrachloride	5.13	117	18437	1.020	ug/l		95
31) Isopropyl Ether	3.58	45	54451	1.023	ug/l		100
32) Ethyl-t-butyl ether	4.08	59	43094	0.983	ug/l		99
33) Tert-Amyl methyl ether	5.58	73	35096	0.965	ug/l		99
34) Propionitrile	4.35	54	7459	5.651	ug/l	#	90
35) Benzene	5.39	78	62486	0.989	ug/l		98
36) 1,2-Dichloroethane	5.41	62	18948	1.002	ug/l		99
37) Trichloroethene	6.19	130	13455	0.977	ug/l		100
38) 1,2-Dichloropropane	6.43	63	17808	0.988	ug/l		93
39) Methacrylonitrile	4.55	41	7366	1.042	ug/l		97
40) Methyl acrylate	4.43	55	9285	0.955	ug/l	#	92
41) Tetrahydrofuran	4.66	42	7337	2.064	ug/l		94
42) 1-Chlorobutane	5.06	56	33844	0.992	ug/l		97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	7731	1.007 ug/l		99
44) Bromodichloromethane	6.76	83	20801	1.027 ug/l		91
45) 4-Methyl-2-Pentanone	7.47	43	58817	4.772 ug/l		99
46) t-1,4-Dichloro-2-butene	10.52	75	7789m	1.762 ug/l		
47) Methyl methacrylate	6.63	69	14849	1.896 ug/l		92
48) Ethyl methacrylate	8.02	69	15030	0.959 ug/l		98
49) Toluene	7.64	92	32586	0.928 ug/l		93
50) t-1,3-Dichloropropene	7.88	75	18773	0.965 ug/l		98
51) cis-1,3-Dichloropropene	7.27	75	23484	0.977 ug/l		98
52) 1,1,2-Trichloroethane	8.07	97	10967	1.018 ug/l		89
53) 1,3-Dichloropropane	8.24	76	19793	0.984 ug/l		97
54) 2-Hexanone	8.37	43	41432	4.673 ug/l		98
55) Dibromochloromethane	8.48	129	11103	0.969 ug/l		93
56) 1,2-Dibromoethane	8.59	107	9749	0.993 ug/l		97
58) Tetrachloroethene	8.22	164	12722	1.009 ug/l		96
59) Chlorobenzene	9.12	112	35666	0.976 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.21	131	12206	0.986 ug/l		95
61) Pentachloroethane	11.10	117	9326	0.968 ug/l		96
62) Hexachloroethane	12.14	117	8439	0.935 ug/l		96
63) Ethyl Benzene	9.25	91	63530	0.943 ug/l		98
64) m/p-Xylenes	9.37	106	45316	1.858 ug/l		99
65) o-Xylene	9.78	106	22107	0.939 ug/l		95
66) Styrene	9.79	104	36680	0.908 ug/l		98
67) Bromoform	9.96	173	6065	0.944 ug/l		97
69) Isopropylbenzene	10.17	105	59074	0.937 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.46	83	14374	0.995 ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	10096m	1.014 ug/l		
72) Bromobenzene	10.45	156	13094	0.936 ug/l		93
73) n-propylbenzene	10.58	120	14845	0.908 ug/l		96
74) 2-Chlorotoluene	10.66	126	13459	0.940 ug/l		97
75) 1,3,5-Trimethylbenzene	10.77	105	47976	0.904 ug/l		97
76) 4-Chlorotoluene	10.77	126	12713	0.875 ug/l		91
77) tert-Butylbenzene	11.10	119	45243	0.906 ug/l		96
78) 1,2,4-Trimethylbenzene	11.15	105	50466	0.928 ug/l		99
79) sec-Butylbenzene	11.32	105	64452	0.926 ug/l		100
80) Nitrobenzene	12.86	77	2965	4.554 ug/l	#	89
81) p-Isopropyltoluene	11.47	119	49448	0.894 ug/l		98
82) 1,3-Dichlorobenzene	11.41	146	27133	0.968 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	25904	0.929 ug/l		98
84) n-Butylbenzene	11.89	91	51265	0.883 ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	25720	0.964 ug/l		100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2400	1.032 ug/l		87
87) 1,2,4-Trichlorobenzene	13.50	180	16130	0.860 ug/l		94
88) Hexachlorobutadiene	13.69	225	9770	0.963 ug/l		95
89) Naphthalene	13.74	128	32455	0.876 ug/l		99
90) 1,2,3-Trichlorobenzene	13.98	180	15926	0.901 ug/l		98

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

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