

Table 1. Rainwater Quality Research - Selected Tests & Parameters							
Results from Multiple Researchers							
2009 - 2012							
							Maximum
Data source:	WWC	ELS/LCRA		TWS	ELS/LCRA	TexAgriLife	Contaminant
		(**)		(*****)	(*****)		Level (gwater)
Date of analysis:	(8/18/2012)	(8/18/2012)		(2011-2012)	(3/22/2009)	(5/14/2012)	(8/2012)
Roof Type:	Unknwn.	Metal	Composite	Metal	Metal	(Metal)	Not Applicable
Total Coliform		Present(***)					"Absent"/<1
		Absent (****)					
TDS (mg/l)	10 to 20	5 to 30	160	0 - 51	27	13 ppm	500 - 1000
pH	6.0 - 6.5	5.5 - 7.4		5.8 - 7.5		5.66	7 - 8.5
Hardness (grains)	1 to 4	1.4		1 to 2	1.4	0	
Turbidity (NTU)		0.2 - 2.1	2.7 - 4.3				.3 NTU
Odor		< 0 TON					3 TON
Sulfate		2.0 mg/l			2.32	1	300 mg/l
Chloride		1.2 mg/l				2	300 mg/l
Table 1 (continued)							
							Maximum
Data source:	WWC	ELS/LCRA		TWS	ELS/LCRA	TexAgriLife	Contaminant
		(**)		(*****)	(*****)		Level (gwater)
Date of analysis:	(8/18/2012)	(8/18/2012)		(2011-2012)	(3/22/2009)	(5/14/2012)	(8/2012)
Roof Type:	Unknwn.	Metal	Composite	Metal	Metal	(Metal)	Not Applicable
Aluminum		.004 - .04 mg/l					.05 - .02 mg/l
Copper		< 0.001 mg/l	.03 - .046			0.15	1.3 mg/l
Iron		< 0.05 mg/l	.09 - .12		0.113	0.01	.3 mg/l
Lead		< .001 mg/l					.015 mg/l (*****)
Zinc		.09 - .3 mg/l				0.69	
TOC			34.0 - 39.0				greater than 5 mg/l
Manganese						0.01	
Nitrate						< 0.01	

Table Notes:

"value is above MCL"

(*) randomly self-selected audience members' volunteered rainwater samples

(**) "Rainwater Harvesting Data" presented during Water Wise Conference

(***) no treatment system

(****) with treatment system

(*****) "Primary Contaminant"

(*****) results varied according to RWH system component combination

(*****) results were "post filtration" with VIQUA UV (D-4 unit)

Source: Texas Water Savers Co.

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