

**North Texas Municipal Water District
Water Analysis
Jan-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	92.0	194		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.154	0.209		0.3		0.3
Calcium (Ca)	19.6	43.7				
Magnesium (Mg)	2.66	2.05				
Sodium (Na)	5.27	10.7				
Potassium (K)	4.27	3.84				
Bicarbonates (HCO3)	59.7	75.4				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	3.96	52.0		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	3.95	10.3		250		300
Fluoride (F)	<0.250	0.588	4.0	2.0		2.0
Phosphates (PO4)	0.0760	0.0100				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	59.7	75.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	44.4				
Total Hardness	59.0	120				
Langelier Index	-	[- 0.304]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00146	<0.00500	0.01		0.01	
Barium (Ba)	0.0570	0.0319	2		2	
Cadmium (Cd)	<0.000250	<0.00100	0.005		0.005	
Chromium (Cr)	0.000498	<0.00500	0.1		0.1	
Copper (Cu)	0.00283	0.00306	1.3		1.3	1.0
Iron (Fe)	0.154	0.209		0.3		
Lead (Pb)	0.000632	<0.000250	0.15		0.15	
Manganese (Mn)	0.0904	0.00180		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00150	0.00102				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00342	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.88*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.20*	7.80*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	133	286				
Turbidity (NTU)	12.6	0.0900*	0.3		0.3	
Threshold Odor Number	200F	1.4CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Feb-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	108	202		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.268	0.454		0.3		0.3
Calcium (Ca)	19.5	55.1				
Magnesium (Mg)	2.36	2.60				
Sodium (Na)	5.65	13.3				
Potassium (K)	4.32	4.23				
Bicarbonates (HCO3)	59.8	73.5				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	3.62	58.0		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	3.42	10.9		250		300
Fluoride (F)	<0.250	0.569	4.0	2.0		2.0
Phosphates (PO4)	0.158	<0.0200				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	59.8	73.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	83.6	86.3				
Total Hardness	143	160				
Langelier Index	-	[- 0.417]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00897	0.00814	0.01		0.01	
Barium (Ba)	0.0690	0.0368	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00223	0.00192	1.3		1.3	1.0
Iron (Fe)	0.268	0.454		0.3		
Lead (Pb)	0.000490	<0.000250	0.15		0.15	
Manganese (Mn)	0.0489	0.00119		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000954	0.00113				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00572	0.00496		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.37*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.20*	7.80*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	132	311				
Turbidity (NTU)	5.70	0.0800*	0.3		0.3	
Threshold Odor Number	200F	1.4CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

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Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Mar-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	84.0	194		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.580	0.539		0.3		0.3
Calcium (Ca)	21.0	52.6				
Magnesium (Mg)	2.30	2.54				
Sodium (Na)	5.69	14.0				
Potassium (K)	4.17	4.29				
Bicarbonates (HCO3)	63.7	78.3				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	0	49.7		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	3.78	11.4		250		300
Fluoride (F)	<0.250	0.644	4.0	2.0		2.0
Phosphates (PO4)	0.100	<0.0200				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	63.7	78.3				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	43.9				
Total Hardness	57.8	122				
Langelier Index	-	[- 0.165]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	0.00502	0.01		0.01	
Barium (Ba)	0.0687	0.0401	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00458	0.00618	1.3		1.3	1.0
Iron (Fe)	0.580	0.539		0.3		
Lead (Pb)	0.000850	<0.000250	0.15		0.15	
Manganese (Mn)	0.0934	0.000961		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00195	0.00423				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00486	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.74*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.20*	7.80*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	132	298				
Turbidity (NTU)	17.2	0.110*	0.3		0.3	
Threshold Odor Number	8F	0ND				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

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Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Apr-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	98.0	202		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.447	0.444		0.3		0.3
Calcium (Ca)	17.7	41.0				
Magnesium (Mg)	2.53	2.86				
Sodium (Na)	5.11	14.1				
Potassium (K)	4.64	4.68				
Bicarbonates (HCO3)	68.1	77.8				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	4.24	59.2		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	4.09	13.3		250		300
Fluoride (F)	<0.250	0.534	4.0	2.0		2.0
Phosphates (PO4)	0.0780	<0.0200				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	68.1	77.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	48.2				
Total Hardness	59.4	126				
Langelier Index	-	[- 0.478]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00735	0.00643	0.01		0.01	
Barium (Ba)	0.0696	0.0522	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0165	0.00660	1.3		1.3	1.0
Iron (Fe)	0.447	0.444		0.3		
Lead (Pb)	0.00147	<0.000250	0.15		0.15	
Manganese (Mn)	0.0802	0.00275		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00202	0.00429				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00775	0.00273		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.86*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.10*	7.60*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	146	325				
Turbidity (NTU)	20.4	0.130*	0.3		0.3	
Threshold Odor Number	200F	1CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

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Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
May-2014**

Mineral Analysis	Raw (mg/L)	Treated (mg/L)	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	124	192		500		1000
Silica (SiO2)	<2.00	2.10				
Iron (Fe)	0.171	0.272		0.3		0.3
Calcium (Ca)	23.6	51.0				
Magnesium (Mg)	2.48	2.89				
Sodium (Na)	9.49	16.5				
Potassium (K)	4.46	4.54				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	5.82	53.2		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	14.8	15.6		250		300
Fluoride (F)	<0.250	0.466	4.0	2.0		2.0
Phosphates (PO4)	0.0210	0.0740				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	67.0	72.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	8.20	52.6				
Total Hardness	75.2	125				
Langelier Index	-	[- 0.0890]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0615	0.0548	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.116	0.00193	1.3		1.3	1.0
Iron (Fe)	0.171	0.272		0.3		
Lead (Pb)	0.000583	<0.000250	0.15		0.15	
Manganese (Mn)	0.139	0.00540		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00135	0.00275				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00431	0.00254		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.52*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.30*	7.80*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	203	324				
Turbidity (NTU)	15.7	0.120*	0.3		0.3	
Threshold Odor Number	8F	1CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

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Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Jun-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	300	238		500		1000
Silica (SiO2)	3.51	2.46				
Iron (Fe)	0.211	0.132		0.3		0.3
Calcium (Ca)	17.1	56.5				
Magnesium (Mg)	2.47	3.15				
Sodium (Na)	21.5	18.1				
Potassium (K)	5.58	4.83				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	7.09	59.0		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	70.2	18.7		250		300
Fluoride (F)	<0.250	0.594	4.0	2.0		2.0
Phosphates (PO4)	0.211	0.0370				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	75.8	81.9				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	51.3				
Total Hardness	65.4	133				
Langelier Index	-	[- 0.0890]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00586	<0.00500	0.01		0.01	
Barium (Ba)	0.0847	0.0538	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.112	0.00992	1.3		1.3	1.0
Iron (Fe)	0.211	0.132		0.3		
Lead (Pb)	0.00186	<0.000250	0.15		0.15	
Manganese (Mn)	0.0166	0.000793		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00261	0.00284				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0119	0.00447		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.46*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.40*	7.70*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	430	350				
Turbidity (NTU)	17.6	0.100*	0.3		0.3	
Threshold Odor Number	8SP	0ND				3

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Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Jul-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	94.0	188		500		1000
Silica (SiO ₂)	2.50	<0.100				
Iron (Fe)	0.660	0.150		0.3		0.3
Calcium (Ca)	20.3	43.1				
Magnesium (Mg)	2.50	2.66				
Sodium (Na)	5.56	13.8				
Potassium (K)	4.88	5.06				
Bicarbonates (HCO ₃)	0	0				
Carbonates (CO ₃)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO ₄)	3.57	54.2		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0	0	10		10	
Chloride (Cl)	3.98	14.1		250		300
Fluoride (F)	<0.250	0.551	4.0	2.0		2.0
Phosphates (PO ₄)	0.0880	<0.0200				

	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)
Total Alkalinity	68.2	71.2				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	3.60	48.6				
Total Hardness	71.8	120				
Langelier Index	-	[+ 0.0390]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00666	0.00664	0.01		0.01	
Barium (Ba)	0.140	0.0542	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00481	0.00525	1.3		1.3	1.0
Iron (Fe)	0.660	0.150		0.3		
Lead (Pb)	0.000875	<0.000250	0.15		0.15	
Manganese (Mn)	0.416	0.00119		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00123	0.00349				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00420	0.00272		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.50*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.10*	7.90*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	154	311				
Turbidity (NTU)	17.3	0.100*	0.3		0.3	
Threshold Odor Number	100F	ND				3

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**North Texas Municipal Water District
Water Analysis
Aug-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	98.0	194		500		1000
Silica (SiO2)	2.49	0				
Iron (Fe)	0.439	0.101		0.3		0.3
Calcium (Ca)	17.3	47.3				
Magnesium (Mg)	2.06	2.35				
Sodium (Na)	5.08	14.4				
Potassium (K)	4.65	4.42				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	3.32	76.2		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	4.26	17.7		250		300
Fluoride (F)	<0.250	0.488	4.0	2.0		2.0
Phosphates (PO4)	0.0740	0.0190				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	64.2	60.9				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	11.3	71.3				
Total Hardness	81.2	132				
Langelier Index	-	[- 0.298]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.0112	<0.00500	0.01		0.01	
Barium (Ba)	0.116	0.0670	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00485	0.00348	1.3		1.3	1.0
Iron (Fe)	0.439	0.101		0.3		
Lead (Pb)	0.000402	<0.000250	0.15		0.15	
Manganese (Mn)	0.00143	0.00206		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000775	0.00319				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00307	0.00285		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.65*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	*	7.60*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	148	342				
Turbidity (NTU)	17.6	0.140*	0.3		0.3	
Threshold Odor Number	6CL	ND				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.

North Texas Municipal Water District
 Water Analysis
 Sep-2014

Mineral Analysis	Raw (mg/L)	Treated (mg/L)	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	122	222		500		1000
Silica (SiO2)	3.44	3.42				
Iron (Fe)	0.0732	0.107		0.3		0.3
Calcium (Ca)	18.7	43.9				
Magnesium (Mg)	2.64	2.96				
Sodium (Na)	5.44	15.9				
Potassium (K)	5.01	5.14				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	2.76	64.3		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	4.25	18.5		250		300
Fluoride (F)	<0.250	0.563	4.0	2.0		2.0
Phosphates (PO4)	0.143	0.0148				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	67.7	69.6				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	57.2				
Total Hardness	61.2	127				
Langelier Index	-	#N/A				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00787	<0.00500	0.01		0.01	
Barium (Ba)	0.118	0.0696	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.425	0.00477	1.3		1.3	1.0
Iron (Fe)	0.0732	0.107		0.3		
Lead (Pb)	0.0192	<0.000250	0.15		0.15	
Manganese (Mn)	0.225	0.0189		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00179	0.00419				
Selenium (Se)	0	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.260	0.00321		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.64*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	*	*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	150	332				
Turbidity (NTU)	21.8	0.0900*	0.3		0.3	
Threshold Odor Number	100F	2CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Oct-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary	EPA Secondary	TCEQ Primary	TCEQ Secondary
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Residue on Evaporation	102	208		500		1000
Silica (SiO2)	3.46	3.52				
Iron (Fe)	0.153	0.343		0.3		0.3
Calcium (Ca)	18.7	50.0				
Magnesium (Mg)	2.75	3.05				
Sodium (Na)	5.92	16.1				
Potassium (K)	4.72	4.42				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	2.67	58.1		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	4.07	15.4		250		300
Fluoride (F)	<0.250	0.599	4.0	2.0		2.0
Phosphates (PO4)	0.113	0.0211				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	72.3	75.0				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	14.9	52.0				
Total Hardness	87.2	127				
Langelier Index	-	[- 0.549]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00761	<0.00500	0.01		0.01	
Barium (Ba)	0.0945	0.0583	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0141	0.00681	1.3		1.3	1.0
Iron (Fe)	0.153	0.343		0.3		
Lead (Pb)	0.00105	<0.000250	0.15		0.15	
Manganese (Mn)	0.109	0.000853		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00149	0.00454				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00588	0.00354		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.19*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	7.20*	7.40*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	159	359				
Turbidity (NTU)	17.2	0.0800*	0.3		0.3	
Threshold Odor Number	100F	1.4CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District
Water Analysis
Nov-2014**

Mineral Analysis	Raw	Treated	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	78.0	188		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.127	0.321		0.3		0.3
Calcium (Ca)	20.1	44.7				
Magnesium (Mg)	2.71	3.03				
Sodium (Na)	6.03	17.8				
Potassium (K)	5.06	4.99				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	3.12	60.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	4.43	16.0		250		300
Fluoride (F)	<0.250	0.552	4.0	2.0		2.0
Phosphates (PO4)	0.0970	0.0230				

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	70.4	77.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	48.6				
Total Hardness	60.8	126				
Langelier Index	-	[- 0.341]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0836	0.0510	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00165	0.00423	1.3		1.3	1.0
Iron (Fe)	0.127	0.321		0.3		
Lead (Pb)	0.000402	<0.000250	0.15		0.15	
Manganese (Mn)	0.000837	0.00154		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00145	0.00449				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00296	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.20*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	8.20*	7.70*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	160	360				
Turbidity (NTU)	16.8	0.0900*	0.3		0.3	
Threshold Odor Number	70F	1CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

Note 2: TCEQ Primary Standards are the maximum contaminant level allowed for each constituent. TCEQ Primary Standards are legally enforceable standards.

Note 3: * Identifies Monthly Average Process analyses.

**North Texas Municipal Water District - Bonham
Water Analysis
Dec-2014**

Mineral Analysis	Raw (mg/L)	Treated (mg/L)	Standards			
			EPA Primary (mg/L)	EPA Secondary (mg/L)	TCEQ Primary (mg/L)	TCEQ Secondary (mg/L)
Residue on Evaporation	114	194		500		1000
Silica (SiO ₂)	<2.00	<2.00				
Iron (Fe)	0.122	0.195		0.3		0.3
Calcium (Ca)	21.4	35.0				
Magnesium (Mg)	2.72	2.99				
Sodium (Na)	5.99	17.3				
Potassium (K)	4.89	4.64				
Bicarbonates (HCO ₃)	0	0				
Carbonates (CO ₃)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO ₄)	3.45	59.0		250		
Nitrite (NO ₂)	<0.0200	<0.0200	1		1	
Nitrate (NO ₃)	0	0	10		10	
Chloride (Cl)	4.18	13.9		250		300
Fluoride (F)	<0.250	0.549	4.0	2.0		2.0
Phosphates (PO ₄)	0.0860	0.0340				

	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)	(mg/L as CaCO₃)
Total Alkalinity	67.6	73.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	14.4	42.3				
Total Hardness	82.0	116				
Langelier Index	-					

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00500	<0.00500	0.01		0.01	
Barium (Ba)	0.0719	0.0429	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00422	0.00435	1.3		1.3	1.0
Iron (Fe)	0.122	0.195		0.3		
Lead (Pb)	0.000641	<0.000250	0.15		0.15	
Manganese (Mn)	0.127	0.00182		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000961	0.00294				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00260	0.00305		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.43*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25°C	*	*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	161	326				
Turbidity (NTU)	13.5	0.0600*	0.3		0.3	
Threshold Odor Number	50F	1.4CL				3

Note 1: National Primary Drinking Water Regulations or Primary Standards are legally enforceable standards. National Secondary Drinking Water Regulations or Secondary Standards are non-enforceable guidelines regulating contaminants that may cause cosmetic or aesthetic effects In Drinking Water.

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Note 3: * Identifies Monthly Average Process analyses.