North Texas Municipal Water District
Water Analysis
Jan-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	136	206		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.137	0.214		0.3		0.3
Calcium (Ca)	30.4	40.6				
Magnesium (Mg)	3.47	3.01				
Sodium (Na)	13.5	20.4				
Potassium (K)	4.20	4.17				
Bicarbonates (HCO3)	88.7	76.6				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	11.7	45.6		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.69	14.0		250		300
Fluoride (F)	0.257	0.385	4.0	2.0		2.0
Phosphates (PO4)	0.0600	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	88.7	76.6				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	34.2				
Total Hardness	81.0	111				
Langelier Index	-					

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00143	0.00514	0.01		0.01	
Barium (Ba)	0.0667	0.0627	2		2	
Cadmium (Cd)	<0.000250	<0.00100	0.005		0.005	
Chromium (Cr)	<0.000250	<0.00500	0.1		0.1	
Copper (Cu)	<0.000500	0.0516	1.3		1.3	1.0
Iron (Fe)	0.137	0.214		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.0282	0.00489		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000898	0.000680				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.29*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	*	*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	215	292				
Turbidity (NTU)	5.28	0.100*	0.3		0.3	
Threshold Odor Number	100F	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
Water Analysis
Feb-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	148	188		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.321	0.374		0.3		0.3
Calcium (Ca)	33.3	42.3				
Magnesium (Mg)	3.32	3.40				
Sodium (Na)	14.6	19.9				
Potassium (K)	4.63	4.54				
Bicarbonates (HCO3)	89.0	75.5				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	11.7	46.5		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.03	12.8		250		300
Fluoride (F)	0.277	0.513	4.0	2.0		2.0
Phosphates (PO4)	0.0575	0.0105				
	(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	89.0	75.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	66.0	84.5				
Total Hardness	155	160				
Langelier Index	-	[- 0.241]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.0102	<0.00500	0.01		0.01	
Barium (Ba)	0.0804	0.0672	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00119	0.0750	1.3		1.3	1.0
Iron (Fe)	0.321	0.374		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.0249	0.00279		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000959	0.00101				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00459	0.00719		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.34*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	8.10*	7.90*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	220	296				
Turbidity (NTU)	6.36	0.100*	0.3		0.3	
Threshold Odor Number	140F	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
Water Analysis
Mar-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	118	180		500		1000
Silica (SiO2)	3.92	<2.00				
Iron (Fe)	0.314	0.474		0.3		0.3
Calcium (Ca)	32.5	44.1				
Magnesium (Mg)	3.22	3.41				
Sodium (Na)	14.7	20.2				
Potassium (K)	4.52	4.61				
Bicarbonates (HCO3)	91.9	81.3				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	12.8	51.8		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.63	13.7		250		300
Fluoride (F)	0.270	0.394	4.0	2.0		2.0
Phosphates (PO4)	0.0477	0.0140				
	(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	91.9	81.3				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	30.7				
Total Hardness	84.2	112				
Langelier Index	-	[- 0.0218]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00617	0.00561	0.01		0.01	
Barium (Ba)	0.0731	0.0672	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000769	0.0794	1.3		1.3	1.0
Iron (Fe)	0.314	0.474		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.0462	0.00519		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00257	0.00377				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00844	0.00335		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.34*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	8.10*	7.90*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	219	297				
Turbidity (NTU)	4.88	0.0700*	0.3		0.3	
Threshold Odor Number	17F	1E				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
Apr-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	152	180		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.553	0.146		0.3		0.3
Calcium (Ca)	30.7	36.6				
Magnesium (Mg)	3.58	3.74				
Sodium (Na)	13.4	19.1				
Potassium (K)	5.00	5.06				
Bicarbonates (HCO3)	94.3	87.4				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	12.4	46.4		250		
Nitrite (NO2)	0.0296	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.68	13.6		250		300
Fluoride (F)	<0.250	0.419	4.0	2.0		2.0
Phosphates (PO4)	0.0680	<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	94.3	87.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	26.4				
Total Hardness	87.4	114				
Langelier Index	-	[- 0.219]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00773	0.00712	0.01		0.01	
Barium (Ba)	0.0842	0.0752	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000913	0.0873	1.3		1.3	1.0
Iron (Fe)	0.553	0.146		0.3		
Lead (Pb)	0.000306	<0.000250	0.15		0.15	
Manganese (Mn)	0.0404	0.00141		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00245	0.00411				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00377	0.00625		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.19*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	7.70*	7.90*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	234	319				
Turbidity (NTU)	11.9	0.110*	0.3		0.3	
Threshold Odor Number	100F	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
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	142	188		500		1000
Silica (SiO2)	3.05	3.03				
Iron (Fe)	0.608	0.241		0.3		0.3
Calcium (Ca)	35.5	47.3				
Magnesium (Mg)	3.51	3.64				
Sodium (Na)	14.8	20.9				
Potassium (K)	5.00	5.05				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	11.1	46.7		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	6.85	12.7		250		300
Fluoride (F)	<0.250	0.346	4.0	2.0		2.0
Phosphates (PO4)	0.0760	0.0270				
	(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	90.7	78.2				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	35.2				
Total Hardness	88.4	113				
Langelier Index	-	[+ 0.151]				

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)	0.0810	0.0722	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00128	0.0815	1.3		1.3	1.0
Iron (Fe)	0.608	0.241		0.3		
Lead (Pb)	0.000397	<0.000250	0.15		0.15	
Manganese (Mn)	0.0462	0.00201		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00150	0.00270				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00410	0.00736		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.06*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	7.70*	7.90*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	236	328				
Turbidity (NTU)	12.7	0.120*	0.3		0.3	
Threshold Odor Number	17F	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
Jun-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	186	206		500		1000
Silica (SiO2)	<2.00	2.76				
Iron (Fe)	0.114	0.129		0.3		0.3
Calcium (Ca)	31.1	40.4				
Magnesium (Mg)	3.13	3.68				
Sodium (Na)	12.5	21.9				
Potassium (K)	5.14	5.35				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	11.8	56.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	8.00	14.8		250		300
Fluoride (F)	<0.250	0.382	4.0	2.0		2.0
Phosphates (PO4)	0.0540	0.0320				
	(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	93.1	83.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	39.0				
Total Hardness	87.2	122				
Langelier Index	-	[+ 0.183]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00710	0.00556	0.01		0.01	
Barium (Ba)	0.0705	0.0641	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000955	0.0633	1.3		1.3	1.0
Iron (Fe)	0.114	0.129		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.000878	0.00155		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00144	0.00257				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00304	0.00849		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.10*	4.0		4.0	
Total coliform (Present / Absent)	-	P	A		A	
pH (Standard Units) @ 25ºC	7.60*	8.10*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	231	321				
Turbidity (NTU)	7.29	0.110*	0.3		0.3	
Threshold Odor Number	6G	1W				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
Jul-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	168	202		500		1000
Silica (SiO2)	0	0				
Iron (Fe)	0.249	0.159		0.3		0.3
Calcium (Ca)	29.2	40.4				
Magnesium (Mg)	3.23	3.31				
Sodium (Na)	12.8	17.6				
Potassium (K)	5.30	5.51				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	12.1	54.5		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.70	13.6		250		300
Fluoride (F)	<0.250	0.403	4.0	2.0		2.0
Phosphates (PO4)	0.0420	0.0280				
	(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	93.1	86.3				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	34.5				
Total Hardness	85.6	121				
Langelier Index	-	[- 0.0520]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.0100	0.00882	0.01		0.01	
Barium (Ba)	0.0824	0.0691	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00103	0.0898	1.3		1.3	1.0
Iron (Fe)	0.249	0.159		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.0705	0.00155		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00167	0.00276				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	0.00839		5		5

Other Analysis

Chlorine Residual (mg/L)	-	2.78*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	7.70*	7.70*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	237	344				
Turbidity (NTU)	5.92	0.100*	0.3		0.3	
Threshold Odor Number	17F	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
Aug-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	126	178		500		1000
Silica (SiO2)	0	0				
Iron (Fe)	0.226	0.103		0.3		0.3
Calcium (Ca)	20.6	33.9				
Magnesium (Mg)	2.79	2.71				
Sodium (Na)	11.6	16.8				
Potassium (K)	4.88	4.81				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	12.0	60.3		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.65	14.8		250		300
Fluoride (F)	<0.250	0.447	4.0	2.0		2.0
Phosphates (PO4)	0.0960	0.0420				
	(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	78.0	67.1				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	31.1				
Total Hardness	75.0	98.2				
Langelier Index	-	[+ 0.176]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00957	<0.00500	0.01		0.01	
Barium (Ba)	0.0657	0.0576	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000557	0.0515	1.3		1.3	1.0
Iron (Fe)	0.226	0.103		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.0754	0.000717		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.000896	0.00166				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	0.00337		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.31*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	8.30*	8.10*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	208	318				
Turbidity (NTU)	5.52	0.0800*	0.3		0.3	
Threshold Odor Number	35F	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
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	158	214		500		1000
Silica (SiO2)	4.35	4.31				
Iron (Fe)	0.0654	0.0947		0.3		0.3
Calcium (Ca)	22.9	40.2				
Magnesium (Mg)	3.42	3.68				
Sodium (Na)	11.9	18.2				
Potassium (K)	5.31	5.37				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	8.60	60.7		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	6.13	14.0		250		300
Fluoride (F)	0.285	0.418	4.0	2.0		2.0
Phosphates (PO4)	0.104	0.0334				
	(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	86.6	72.6				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	33.0				
Total Hardness	79.6	106				
Langelier Index	-	[- 0.168]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00755	<0.00500	0.01		0.01	
Barium (Ba)	0.101	0.0637	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000672	0.0800	1.3		1.3	1.0
Iron (Fe)	0.0654	0.0947		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.109	0.0209		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00150	0.00287				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	0.00568		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.32*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	7.50*	7.70*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	211	328				
Turbidity (NTU)	5.36	0.0900*	0.3		0.3	
Threshold Odor Number	70F	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
Oct-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	118	180		500		1000
Silica (SiO2)	4.87	4.86				
Iron (Fe)	0.402	0.296		0.3		0.3
Calcium (Ca)	45.1	36.3				
Magnesium (Mg)	6.63	3.56				
Sodium (Na)	26.7	20.1				
Potassium (K)	10.2	4.80				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	14.4	53.7		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.79	13.7		250		300
Fluoride (F)	0.265	0.478	4.0	2.0		2.0
Phosphates (PO4)	0.0908	0.0245				
	(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	91.8	68.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	41.1				
Total Hardness	73.2	110				
Langelier Index	-	[+ 0.0761]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00530	<0.00500	0.01		0.01	
Barium (Ba)	0.0954	0.0603	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00119	0.0501	1.3		1.3	1.0
Iron (Fe)	0.402	0.296		0.3		
Lead (Pb)	0.000288	<0.000250	0.15		0.15	
Manganese (Mn)	0.0591	0.00836		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00170	0.00327				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00258	0.00677		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.35*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	7.80*	8.10*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	221	332				
Turbidity (NTU)	6.07	0.0800*	0.3		0.3	
Threshold Odor Number	140F	2CL				3

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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.

Posting revised: 1/13/2015

North Texas Municipal Water District - Tawakoni
Water Analysis
Nov-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	108	140		500		1000
Silica (SiO2)	3.00	3.09				
Iron (Fe)	0.127	0.246		0.3		0.3
Calcium (Ca)	24.3	38.2				
Magnesium (Mg)	3.41	3.68				
Sodium (Na)	14.1	20.6				
Potassium (K)	5.42	5.49				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	11.3	52.1		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.58	12.8		250		300
Fluoride (F)	<0.250	0.471	4.0	2.0		2.0
Phosphates (PO4)	0.0970	0.0180				
	(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	89.5	72.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	32.0				
Total Hardness	73.4	105				
Langelier Index	-	#N/A				

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)	0.0818	0.0608	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000825	0.0484	1.3		1.3	1.0
Iron (Fe)	0.127	0.246		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.000494	0.00396		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00176	0.00301				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	0.00416		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.34*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	*	*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	224	334				
Turbidity (NTU)	5.72	0.0500*	0.3		0.3	
Threshold Odor Number	140F	1CL				3

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Note 3: * Identifies Monthly Average Process analyses.

North Texas Municipal Water District - Tawakoni
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	126	198		500		1000
Silica (SiO2)	<2.00	<2.00				
Iron (Fe)	0.194	0.190		0.3		0.3
Calcium (Ca)	26.3	38.8				
Magnesium (Mg)	3.41	3.72				
Sodium (Na)	17.5	23.8				
Potassium (K)	5.15	5.19				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	12.6	62.9		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	7.64	15.7		250		300
Fluoride (F)	0.265	0.540	4.0	2.0		2.0
Phosphates (PO4)	0.0680	<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	84.6	69.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	0	36.6				
Total Hardness	75.2	106				
Langelier Index	-	[- 0.189]				

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)	0.0674	0.0610	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.000508	0.0464	1.3		1.3	1.0
Iron (Fe)	0.194	0.190		0.3		
Lead (Pb)	<0.000250	<0.000250	0.15		0.15	
Manganese (Mn)	0.00368	0.00178		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00116	0.00226				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	<0.00250	0.00403		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.40*	4.0		4.0	
Total coliform (Present / Absent)	-	A	A		A	
pH (Standard Units) @ 25ºC	8.70*	8.10*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	227	344				
Turbidity (NTU)	5.98	0.0700*	0.3		0.3	
Threshold Odor Number	70F	1CL				3

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