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	302	354		500		1000
Silica (SiO2)	3.16	3.39				
Iron (Fe)	0.518	0.217		0.3		0.3
Calcium (Ca)	43.6	49.0				
Magnesium (Mg)	4.73	3.90				
Sodium (Na)	43.0	67.5				
Potassium (K)	6.15	6.03				
Bicarbonates (HCO3)	104	86.5				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	57.2	99.7		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	38.6	46.7		250		300
Fluoride (F)	0.434	0.765	4.0	2.0		2.0
Phosphates (PO4)	0.0880	0.0240				
	(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	104	86.5				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	29.1	45.3				
Total Hardness	133	132				
Langelier Index	-	[- 0.0963]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00176	<0.00500	0.01		0.01	
Barium (Ba)	0.0445	0.0403	2		2	
Cadmium (Cd)	<0.000250	<0.00100	0.005		0.005	
Chromium (Cr)	0.000423	<0.00500	0.1		0.1	
Copper (Cu)	0.00944	0.00530	1.3		1.3	1.0
Iron (Fe)	0.518	0.217		0.3		
Lead (Pb)	0.000355	<0.000250	0.15		0.15	
Manganese (Mn)	0.0487	0.000774		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00357	0.00278				
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)	-	3.32*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.46*	7.97*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	436	540				
Turbidity (NTU)	40.6	0.0900*	0.3		0.3	
Threshold Odor Number	200F	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
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	354	374		500		1000
Silica (SiO2)	4.44	4.36				
Iron (Fe)	1.21	0.491		0.3		0.3
Calcium (Ca)	61.1	59.6				
Magnesium (Mg)	4.36	4.44				
Sodium (Na)	52.9	66.7				
Potassium (K)	7.44	7.27				
Bicarbonates (HCO3)	114	93.7				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	73.8	126		250		
Nitrite (NO2)	0.0236	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	44.1	50.0		250		300
Fluoride (F)	0.486	0.763	4.0	2.0		2.0
Phosphates (PO4)	0.128	0.0120				
	(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	114	93.7				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	34.4	72.3				
Total Hardness	149	166				
Langelier Index	-	[- 0.221]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00734	0.00753	0.01		0.01	
Barium (Ba)	0.0566	0.0442	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00857	0.0127	1.3		1.3	1.0
Iron (Fe)	1.21	0.491		0.3		
Lead (Pb)	0.000891	<0.000250	0.15		0.15	
Manganese (Mn)	0.0427	0.00359		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00485	0.00362				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0116	0.00524		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.35*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.19*	7.91*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	511	585				
Turbidity (NTU)	26.5	0.265*	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
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	288	360		500		1000
Silica (SiO2)	3.48	<2.00				
Iron (Fe)	0.766	0.562		0.3		0.3
Calcium (Ca)	56.7	62.3				
Magnesium (Mg)	4.51	4.55				
Sodium (Na)	50.6	74.4				
Potassium (K)	7.22	7.27				
Bicarbonates (HCO3)	120	105				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	58.3	97.4		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	35.9	42.1		250		300
Fluoride (F)	0.577	0.649	4.0	2.0		2.0
Phosphates (PO4)	0.0617	0.0119				
	(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	120	105				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	16.5	38.6				
Total Hardness	136	143				
Langelier Index	-	[+ 0.238]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00613	0.00587	0.01		0.01	
Barium (Ba)	0.0536	0.0442	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0160	0.00417	1.3		1.3	1.0
Iron (Fe)	0.766	0.562		0.3		
Lead (Pb)	0.000431	<0.000250	0.15		0.15	
Manganese (Mn)	0.0372	0.00482		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00690	0.00902				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00921	0.00304		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.26*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.25*	8.14*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	462	556				
Turbidity (NTU)	23.9	0.0900*	0.3		0.3	
Threshold Odor Number	4F	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
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	314	372		500		1000
Silica (SiO2)	4.49	4.33				
Iron (Fe)	1.14	0.427		0.3		0.3
Calcium (Ca)	58.7	46.0				
Magnesium (Mg)	5.25	5.25				
Sodium (Na)	48.1	67.7				
Potassium (K)	8.52	8.21				
Bicarbonates (HCO3)	125	108				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	65.8	107		250		
Nitrite (NO2)	0.0269	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	35.6	44.5		250		300
Fluoride (F)	0.448	0.637	4.0	2.0		2.0
Phosphates (PO4)	0.0770	<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	125	108				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	33.8	47.5				
Total Hardness	159	155				
Langelier Index	-	[+ 0.581]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00691	0.00630	0.01		0.01	
Barium (Ba)	0.0650	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)	0.0107	0.0112	1.3		1.3	1.0
Iron (Fe)	1.14	0.427		0.3		
Lead (Pb)	0.000787	<0.000250	0.15		0.15	
Manganese (Mn)	0.0267	0.00104		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00741	0.00927				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00794	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.39*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.30*	8.55*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	499	594				
Turbidity (NTU)	21.2	0.236*	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
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	340	360		500		1000
Silica (SiO2)	2.79	2.84				
Iron (Fe)	2.33	0.167		0.3		0.3
Calcium (Ca)	75.6	69.9				
Magnesium (Mg)	5.78	4.99				
Sodium (Na)	50.7	63.4				
Potassium (K)	9.09	8.25				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	62.6	111		250		
Nitrite (NO2)	0.0617	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	37.4	47.8		250		300
Fluoride (F)	0.419	0.632	4.0	2.0		2.0
Phosphates (PO4)	0.183	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	133	102				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	48.5	57.6				
Total Hardness	182	159				
Langelier Index	-	[+ 0.533]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00586	0.00541	0.01		0.01	
Barium (Ba)	0.0681	0.0516	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0267	0.00380	1.3		1.3	1.0
Iron (Fe)	2.33	0.167		0.3		
Lead (Pb)	0.00217	<0.000250	0.15		0.15	
Manganese (Mn)	0.0554	0.000891		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00704	0.00470				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0121	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.20*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.22*	8.26*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	502	591				
Turbidity (NTU)	24.1	<0.100*	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
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	388	468		500		1000
Silica (SiO2)	3.14	3.34				
Iron (Fe)	0.720	0.215		0.3		0.3
Calcium (Ca)	63.3	52.1				
Magnesium (Mg)	10.2	10.1				
Sodium (Na)	81.3	99.3				
Potassium (K)	9.32	9.27				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	89.6	131		250		
Nitrite (NO2)	0.0429	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	76.5	84.7		250		300
Fluoride (F)	0.437	0.583	4.0	2.0		2.0
Phosphates (PO4)	0.0700	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	115	95.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	82.0	76.2				
Total Hardness	197	172				
Langelier Index	-	[+ 0.671]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00650	0.00571	0.01		0.01	
Barium (Ba)	0.0623	0.0547	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00888	0.00470	1.3		1.3	1.0
Iron (Fe)	0.720	0.215		0.3		
Lead (Pb)	0.000526	<0.000250	0.15		0.15	
Manganese (Mn)	0.0475	0.00559		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00434	0.00433				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00811	0.00468		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.21*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.27*	8.40*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	646	755				
Turbidity (NTU)	22.9	0.181*	0.3		0.3	
Threshold Odor Number	17F	2CL				3

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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	432	494		500		1000
Silica (SiO2)	0	0				
Iron (Fe)	0.651	0.263		0.3		0.3
Calcium (Ca)	52.6	67.5				
Magnesium (Mg)	10.2	9.87				
Sodium (Na)	82.8	92.4				
Potassium (K)	8.78	8.55				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	98.0	145		250		
Nitrite (NO2)	0.0249	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	92.5	98.7		250		300
Fluoride (F)	0.431	0.568	4.0	2.0		2.0
Phosphates (PO4)	0.0800	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	94.8	77.4				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	66.0	89.0				
Total Hardness	161	166				
Langelier Index	-	[+ 0.125]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.0102	0.00909	0.01		0.01	
Barium (Ba)	0.0736	0.0638	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0437	0.00587	1.3		1.3	1.0
Iron (Fe)	0.651	0.263		0.3		
Lead (Pb)	0.000806	0.000764	0.15		0.15	
Manganese (Mn)	0.0504	0.00333		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00500	0.00587				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0132	0.00504		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.39*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.14*	7.86*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	708	812				
Turbidity (NTU)	21.6	0.100*	0.3		0.3	
Threshold Odor Number	50F	1.4E				3

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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	240	308		500		1000
Silica (SiO2)	0	0				
Iron (Fe)	0.625	0.115		0.3		0.3
Calcium (Ca)	24.2	26.7				
Magnesium (Mg)	3.60	3.70				
Sodium (Na)	42.2	58.1				
Potassium (K)	7.70	7.73				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	61.3	107		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	39.9	51.7		250		300
Fluoride (F)	0.484	0.634	4.0	2.0		2.0
Phosphates (PO4)	0.108	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	61.2	53.6				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	23.6	36.6				
Total Hardness	84.8	90.2				
Langelier Index	-	[+ 0.491]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00852	0.00502	0.01		0.01	
Barium (Ba)	0.0395	0.0354	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0127	0.00192	1.3		1.3	1.0
Iron (Fe)	0.625	0.115		0.3		
Lead (Pb)	0.000855	<0.000250	0.15		0.15	
Manganese (Mn)	0.0500	0.00217		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00383	0.00381				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00984	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	3.59*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.88*	8.63*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	412	539				
Turbidity (NTU)	15.1	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
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	454	490		500		1000
Silica (SiO2)	4.70	4.49				
Iron (Fe)	0.660	0.241		0.3		0.3
Calcium (Ca)	44.0	64.8				
Magnesium (Mg)	10.9	10.4				
Sodium (Na)	82.3	90.8				
Potassium (K)	8.41	8.39				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	99.5	135		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	103	112		250		300
Fluoride (F)	0.518	0.664	4.0	2.0		2.0
Phosphates (PO4)	0.107	0.0304				
	(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	82.6	67.3				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	67.2	79.7				
Total Hardness	150	147				
Langelier Index	-	[- 0.139]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00713	<0.00500	0.01		0.01	
Barium (Ba)	0.0767	0.0513	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0109	0.00644	1.3		1.3	1.0
Iron (Fe)	0.660	0.241		0.3		
Lead (Pb)	0.000471	<0.000250	0.15		0.15	
Manganese (Mn)	0.0524	0.00310		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00454	0.00510				
Selenium (Se)	0.00344	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00436	0.00457		5		5

Other Analysis

Chlorine Residual (mg/L)	-	4.40*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.25*	7.67*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	731	789				
Turbidity (NTU)	12.1	0.0800*	0.3		0.3	
Threshold Odor Number	50F	1.4CL				3

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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	420	466		500		1000
Silica (SiO2)	4.67	4.23				
Iron (Fe)	0.717	0.319		0.3		0.3
Calcium (Ca)	42.5	43.4				
Magnesium (Mg)	10.8	10.5				
Sodium (Na)	92.5	103				
Potassium (K)	7.62	7.40				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	96.0	130		250		
Nitrite (NO2)	0.0220	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	104	119		250		300
Fluoride (F)	0.462	0.532	4.0	2.0		2.0
Phosphates (PO4)	0.0975	0.0185				
	(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	90.6	75.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	61.6	75.8				
Total Hardness	152	152				
Langelier Index	-	[+ 0.174]				

Trace Element Analysis

	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.00729	0.00536	0.01		0.01	
Barium (Ba)	0.0746	0.0562	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0248	0.00271	1.3		1.3	1.0
Iron (Fe)	0.717	0.319		0.3		
Lead (Pb)	0.000590	<0.000250	0.15		0.15	
Manganese (Mn)	0.0492	0.00659		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00717	0.00559				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00868	<0.00250		5		5

Other Analysis

Chlorine Residual (mg/L)	-	4.28*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.19*	8.13*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	764	846				
Turbidity (NTU)	11.7	0.0900*	0.3		0.3	
Threshold Odor Number	70F	2CL				3

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Note 3: * Identifies Monthly Average Process analyses.

North Texas Municipal Water District
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	440	336		500		1000
Silica (SiO2)	3.89	4.25				
Iron (Fe)	1.18	0.258		0.3		0.3
Calcium (Ca)	52.7	41.4				
Magnesium (Mg)	12.1	5.09				
Sodium (Na)	104	74.0				
Potassium (K)	8.59	8.48				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	100	98.7		250		
Nitrite (NO2)	0.0202	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	109	54.1		250		300
Fluoride (F)	0.435	0.540	4.0	2.0		2.0
Phosphates (PO4)	0.124	0.0178				
	(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	106	82.6				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	67.7	34.2				
Total Hardness	174	117				
Langelier Index	-	[- 0.0203]				

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)	0.0763	0.0459	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.0131	0.00324	1.3		1.3	1.0
Iron (Fe)	1.18	0.258		0.3		
Lead (Pb)	0.000965	<0.000250	0.15		0.15	
Manganese (Mn)	0.0593	0.00296		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00601	0.00574				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.0100	0.00300		5		5

Other Analysis

Chlorine Residual (mg/L)	-	4.53*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.46*	8.15*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	821	624				
Turbidity (NTU)	12.2	0.0900*	0.3		0.3	
Threshold Odor Number	100F	1CL				3

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Note 3: * Identifies Monthly Average Process analyses.

North Texas Municipal Water District - Wylie
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	414	460		500		1000
Silica (SiO2)	2.91	2.91				
Iron (Fe)	0.438	0.220		0.3		0.3
Calcium (Ca)	53.3	50.0				
Magnesium (Mg)	10.5	8.63				
Sodium (Na)	92.0	88.3				
Potassium (K)	7.85	7.01				
Bicarbonates (HCO3)	0	0				
Carbonates (CO3)	0	0				
Hydroxides (OH)	0	0				
Sulfate (SO4)	113	158		250		
Nitrite (NO2)	<0.0200	<0.0200	1		1	
Nitrate (NO3)	0	0	10		10	
Chloride (Cl)	121	113		250		300
Fluoride (F)	0.433	0.574	4.0	2.0		2.0
Phosphates (PO4)	0.0708	<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	105	88.8				
Phenolphthalein Alkalinity	0	0				
Noncarbonate Hardness	63.0	75.0				
Total Hardness	168	164				
Langelier Index	-	[- 0.0330]				

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)	0.0618	0.0519	2		2	
Cadmium (Cd)	<0.00100	<0.00100	0.005		0.005	
Chromium (Cr)	<0.00500	<0.00500	0.1		0.1	
Copper (Cu)	0.00498	0.00299	1.3		1.3	1.0
Iron (Fe)	0.438	0.220		0.3		
Lead (Pb)	0.000408	<0.000250	0.15		0.15	
Manganese (Mn)	0.0409	0.00214		0.05		0.05
Mercury (Hg)	<0.000100	<0.000100	0.002		0.002	
Nickel (Ni)	0.00414	0.00546				
Selenium (Se)	<0.00250	<0.00250	0.05		0.05	
Silver (Ag)	<0.000250	<0.000250		0.10		0.1
Zinc (Zn)	0.00577	0.00403		5		5

Other Analysis

Chlorine Residual (mg/L)	-	4.67*	4.0		4.0	
Total coliform (Present / Absent)	P	A	A		A	
pH (Standard Units) @ 25ºC	8.23*	7.94*		6.5 - 8.5		>7.0
Specific Conductance (Umhos)	754	790				
Turbidity (NTU)	5.81	0.110*	0.3		0.3	
Threshold Odor Number	70F	1.4CL				3

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