

4 June, 2007

Brian Frantz  
Entrix  
590 Ygnacio Valley Rd  
Walnut Creek, CA 94596

RE: 07124MH - Water Samples (2007)  
Work Order: MQE0595

Enclosed are the results of analyses for samples received by the laboratory on 05/16/07 20:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Leticia Reyes  
Project Manager

CA ELAP Certificate # 1210

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

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The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

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590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MFAR-6 RM 36.5	MQE0595-01	Water	05/16/07 08:50	05/16/07 20:55
MFAR-5 RM 35.5	MQE0595-02	Water	05/16/07 09:25	05/16/07 20:55
IR-1 RM 36.0	MQE0595-03	Water	05/16/07 10:10	05/16/07 20:55
NFAR-1 RM 20.5	MQE0595-04	Water	05/16/07 14:30	05/16/07 20:55
MFAR-11 RM 0.0	MQE0595-05	Water	05/16/07 15:10	05/16/07 20:55

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## INORGANICS

### TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MFAR-6 RM 36.5 (MQE0595-01) Water    Sampled: 05/16/07 08:50    Received: 05/16/07 20:55</b>									
Ammonia-N	ND	0.50	mg/l	1	7E29103	05/29/07	05/29/07 20:35	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
<b>Total Kjeldahl Nitrogen</b>	<b>0.56</b>	0.50	"	"	7E29151	05/29/07	05/29/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E24172	05/24/07	05/24/07 22:00	SM5310B	
<b>MFAR-5 RM 35.5 (MQE0595-02) Water    Sampled: 05/16/07 09:25    Received: 05/16/07 20:55</b>									
Ammonia-N	ND	0.50	mg/l	1	7E29103	05/29/07	05/29/07 20:35	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
<b>Total Kjeldahl Nitrogen</b>	<b>3.9</b>	0.50	"	"	7E29151	05/29/07	05/29/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E24172	05/24/07	05/24/07 22:00	SM5310B	
<b>IR-1 RM 36.0 (MQE0595-03) Water    Sampled: 05/16/07 10:10    Received: 05/16/07 20:55</b>									
Ammonia-N	ND	0.50	mg/l	1	7E29103	05/29/07	05/29/07 20:35	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
<b>Total Kjeldahl Nitrogen</b>	<b>1.1</b>	0.50	"	"	7E29151	05/29/07	05/29/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E24172	05/24/07	05/24/07 22:00	SM5310B	
<b>NFAR-1 RM 20.5 (MQE0595-04) Water    Sampled: 05/16/07 14:30    Received: 05/16/07 20:55</b>									
Ammonia-N	ND	0.50	mg/l	1	7E29103	05/29/07	05/29/07 20:35	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
<b>Total Kjeldahl Nitrogen</b>	<b>0.56</b>	0.50	"	"	7E29151	05/29/07	05/29/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E24172	05/24/07	05/24/07 22:00	SM5310B	
<b>MFAR-11 RM 0.0 (MQE0595-05) Water    Sampled: 05/16/07 15:10    Received: 05/16/07 20:55</b>									
Ammonia-N	ND	0.50	mg/l	1	7E29103	05/29/07	05/29/07 20:35	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
<b>Total Kjeldahl Nitrogen</b>	<b>0.56</b>	0.50	"	"	7E29151	05/29/07	05/29/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E24172	05/24/07	05/24/07 22:00	SM5310B	

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**Total Metals by EPA 200 Series Methods**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MFAR-6 RM 36.5 (MQE0595-01) Water    Sampled: 05/16/07 08:50    Received: 05/16/07 20:55</b>									
<b>Calcium</b>	<b>3.5</b>	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
<b>Magnesium</b>	<b>0.73</b>	0.10	"	"	"	"	"	"	
<b>Sodium</b>	<b>1.5</b>	0.50	"	"	"	"	"	"	
<b>MFAR-5 RM 35.5 (MQE0595-02) Water    Sampled: 05/16/07 09:25    Received: 05/16/07 20:55</b>									
<b>Calcium</b>	<b>5.3</b>	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
<b>Magnesium</b>	<b>0.97</b>	0.10	"	"	"	"	"	"	
<b>Sodium</b>	<b>1.8</b>	0.50	"	"	"	"	"	"	
<b>IR-1 RM 36.0 (MQE0595-03) Water    Sampled: 05/16/07 10:10    Received: 05/16/07 20:55</b>									
<b>Calcium</b>	<b>4.9</b>	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
<b>Magnesium</b>	<b>0.92</b>	0.10	"	"	"	"	"	"	
<b>Sodium</b>	<b>1.8</b>	0.50	"	"	"	"	"	"	
<b>NFAR-1 RM 20.5 (MQE0595-04) Water    Sampled: 05/16/07 14:30    Received: 05/16/07 20:55</b>									
<b>Calcium</b>	<b>6.0</b>	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
<b>Magnesium</b>	<b>1.5</b>	0.10	"	"	"	"	"	"	
<b>Sodium</b>	<b>1.8</b>	0.50	"	"	"	"	"	"	
<b>MFAR-11 RM 0.0 (MQE0595-05) Water    Sampled: 05/16/07 15:10    Received: 05/16/07 20:55</b>									
<b>Calcium</b>	<b>5.1</b>	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
<b>Magnesium</b>	<b>1.3</b>	0.10	"	"	"	"	"	"	
<b>Sodium</b>	<b>1.7</b>	0.50	"	"	"	"	"	"	

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## Conventional Chemistry Parameters by APHA/EPA Methods

### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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#### MFAR-6 RM 36.5 (MQE0595-01) Water    Sampled: 05/16/07 08:50    Received: 05/16/07 20:55

<b>Bicarbonate Alkalinity</b>	<b>16</b>	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
<b>Total Alkalinity</b>	<b>16</b>	5.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>12</b>	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21012	05/17/07	05/17/07	SM 4500P-E	
							10:10		
<b>Total Dissolved Solids</b>	<b>24</b>	10	"	"	7E24045	05/22/07	05/23/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E18007	05/17/07	05/18/07	SM 2540D	
<b>Turbidity</b>	<b>0.44</b>	0.10	NTU	"	7E18031	05/16/07	05/16/07	EPA 180.1	
							21:45		

#### MFAR-5 RM 35.5 (MQE0595-02) Water    Sampled: 05/16/07 09:25    Received: 05/16/07 20:55

<b>Bicarbonate Alkalinity</b>	<b>22</b>	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
<b>Total Alkalinity</b>	<b>22</b>	5.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>17</b>	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21012	05/17/07	05/17/07	SM 4500P-E	
							10:10		
<b>Total Dissolved Solids</b>	<b>46</b>	10	"	"	7E21021	05/16/07	05/17/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E18007	05/17/07	05/18/07	SM 2540D	
<b>Turbidity</b>	<b>0.86</b>	0.10	NTU	"	7E18031	05/16/07	05/16/07	EPA 180.1	
							21:45		

#### IR-1 RM 36.0 (MQE0595-03) Water    Sampled: 05/16/07 10:10    Received: 05/16/07 20:55

<b>Bicarbonate Alkalinity</b>	<b>18</b>	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
<b>Total Alkalinity</b>	<b>18</b>	5.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>16</b>	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21012	05/17/07	05/17/07	SM 4500P-E	
							10:10		
<b>Total Dissolved Solids</b>	<b>34</b>	10	"	"	7E21021	05/16/07	05/17/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E18007	05/17/07	05/18/07	SM 2540D	
<b>Turbidity</b>	<b>2.2</b>	0.10	NTU	"	7E18031	05/16/07	05/16/07	EPA 180.1	
							21:45		

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**Conventional Chemistry Parameters by APHA/EPA Methods**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**NFAR-1 RM 20.5 (MQE0595-04) Water**    **Sampled: 05/16/07 14:30**    **Received: 05/16/07 20:55**

<b>Bicarbonate Alkalinity</b>	<b>26</b>	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
<b>Total Alkalinity</b>	<b>26</b>	5.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>21</b>	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21012	05/17/07	05/17/07	SM 4500P-E	
							10:10		
<b>Total Dissolved Solids</b>	<b>38</b>	10	"	"	7E21021	05/16/07	05/17/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E18007	05/17/07	05/18/07	SM 2540D	
<b>Turbidity</b>	<b>0.53</b>	0.10	NTU	"	7E18031	05/16/07	05/16/07	EPA 180.1	
							21:45		

**MFAR-11 RM 0.0 (MQE0595-05) Water**    **Sampled: 05/16/07 15:10**    **Received: 05/16/07 20:55**

<b>Bicarbonate Alkalinity</b>	<b>22</b>	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
<b>Total Alkalinity</b>	<b>22</b>	5.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>18</b>	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21012	05/17/07	05/17/07	SM 4500P-E	
							10:10		
<b>Total Dissolved Solids</b>	<b>60</b>	10	"	"	7E24045	05/22/07	05/23/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E18007	05/17/07	05/18/07	SM 2540D	
<b>Turbidity</b>	<b>0.44</b>	0.10	NTU	"	7E18031	05/16/07	05/16/07	EPA 180.1	
							21:45		

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**Anions by EPA Method 300.0**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MFAR-6 RM 36.5 (MQE0595-01) Water    Sampled: 05/16/07 08:50    Received: 05/16/07 20:55</b>									
<b>Chloride</b>	<b>1.1</b>	1.0	mg/l	1	7E19009	05/17/07	05/17/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
<b>Sulfate as SO4</b>	<b>0.72</b>	0.50	"	"	7E30026	05/29/07	05/29/07	"	
<b>MFAR-5 RM 35.5 (MQE0595-02) Water    Sampled: 05/16/07 09:25    Received: 05/16/07 20:55</b>									
<b>Chloride</b>	<b>1.2</b>	1.0	mg/l	1	7E19009	05/17/07	05/17/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
<b>Sulfate as SO4</b>	<b>0.74</b>	0.50	"	"	7E30026	05/29/07	05/29/07	"	
<b>IR-1 RM 36.0 (MQE0595-03) Water    Sampled: 05/16/07 10:10    Received: 05/16/07 20:55</b>									
<b>Chloride</b>	<b>1.1</b>	1.0	mg/l	1	7E19009	05/17/07	05/17/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
<b>Sulfate as SO4</b>	<b>0.75</b>	0.50	"	"	7E30026	05/29/07	05/29/07	"	
<b>NFAR-1 RM 20.5 (MQE0595-04) Water    Sampled: 05/16/07 14:30    Received: 05/16/07 20:55</b>									
<b>Chloride</b>	<b>1.5</b>	1.0	mg/l	1	7E19009	05/17/07	05/17/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
<b>Sulfate as SO4</b>	<b>2.0</b>	0.50	"	"	7E30026	05/29/07	05/29/07	"	
<b>MFAR-11 RM 0.0 (MQE0595-05) Water    Sampled: 05/16/07 15:10    Received: 05/16/07 20:55</b>									
<b>Chloride</b>	<b>1.6</b>	1.0	mg/l	1	7E19009	05/17/07	05/17/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
<b>Sulfate as SO4</b>	<b>1.8</b>	0.50	"	"	7E30026	05/29/07	05/29/07	"	

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## INORGANICS - Quality Control

### TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7E29103 - General Prep / EPA 350.3

##### Blank (7E29103-BLK1)

Prepared & Analyzed: 05/29/07

Ammonia-N	ND	0.50	mg/l
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##### Laboratory Control Sample (7E29103-BS1)

Prepared & Analyzed: 05/29/07

Ammonia-N	1.04	0.50	mg/l	1.00	104	85-115
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##### Matrix Spike (7E29103-MS1)

Source: IQE2193-01

Prepared & Analyzed: 05/29/07

Ammonia-N	1.87	0.50	mg/l	2.00	0.079	90	75-125
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##### Matrix Spike Dup (7E29103-MSD1)

Source: IQE2193-01

Prepared & Analyzed: 05/29/07

Ammonia-N	1.95	0.50	mg/l	2.00	0.079	94	75-125	4	15
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#### Batch 7E29151 - General Prep / EPA 351.3

##### Blank (7E29151-BLK1)

Prepared & Analyzed: 05/29/07

Total Kjeldahl Nitrogen	ND	0.50	mg/l
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##### Laboratory Control Sample (7E29151-BS1)

Prepared & Analyzed: 05/29/07

Total Kjeldahl Nitrogen	19.6	0.50	mg/l	20.0	98	85-120
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##### Matrix Spike (7E29151-MS1)

Source: MQE0595-01

Prepared & Analyzed: 05/29/07

Total Kjeldahl Nitrogen	10.6	0.50	mg/l	10.0	0.56	100	85-120
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##### Matrix Spike Dup (7E29151-MSD1)

Source: MQE0595-01

Prepared & Analyzed: 05/29/07

Total Kjeldahl Nitrogen	10.9	0.50	mg/l	10.0	0.56	103	85-120	3	15
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#### Batch 7E24156 - General Prep / EPA 365.3

##### Blank (7E24156-BLK1)

Prepared & Analyzed: 05/24/07

Phosphorus	ND	0.050	mg/l
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## INORGANICS - Quality Control

### TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7E24156 - General Prep / EPA 365.3

<b>Laboratory Control Sample (7E24156-BS1)</b>				Prepared & Analyzed: 05/24/07						
Phosphorus	1.04	0.050	mg/l	1.00		104	80-120			
<b>Matrix Spike (7E24156-MS1)</b>				Source: IQE2262-04 Prepared & Analyzed: 05/24/07						
Phosphorus	1.04	0.050	mg/l	1.00	ND	104	65-130			
<b>Matrix Spike Dup (7E24156-MSD1)</b>				Source: IQE2262-04 Prepared & Analyzed: 05/24/07						
Phosphorus	1.04	0.050	mg/l	1.00	ND	104	65-130	0	15	

#### Batch 7E24172 - General Prep / SM5310B

<b>Blank (7E24172-BLK1)</b>				Prepared & Analyzed: 05/24/07						
Total Organic Carbon	ND	1.0	mg/l							
<b>Laboratory Control Sample (7E24172-BS1)</b>				Prepared & Analyzed: 05/24/07						
Total Organic Carbon	10.2	1.0	mg/l	10.0		102	90-110			
<b>Matrix Spike (7E24172-MS1)</b>				Source: IQE2262-02 Prepared & Analyzed: 05/24/07						
Total Organic Carbon	5.30	1.0	mg/l	5.00	ND	106	80-120			
<b>Matrix Spike Dup (7E24172-MSD1)</b>				Source: IQE2262-02 Prepared & Analyzed: 05/24/07						
Total Organic Carbon	5.48	1.0	mg/l	5.00	ND	110	80-120	3	20	

Entrix  
590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

**Total Metals by EPA 200 Series Methods - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7E21046 - EPA 200.7/3005A / EPA 200.7**

**Blank (7E21046-BLK1)**

Prepared: 05/21/07 Analyzed: 05/22/07

Magnesium	ND	0.10	mg/l							
Sodium	ND	0.50	"							
Potassium	ND	2.0	"							
Calcium	ND	0.50	"							

**Laboratory Control Sample (7E21046-BS1)**

Prepared: 05/21/07 Analyzed: 05/22/07

Sodium	10.9	0.50	mg/l	10.0		109	85-115			
Magnesium	10.9	0.10	"	10.0		109	85-115			
Potassium	11.3	2.0	"	10.0		113	85-115			
Calcium	10.7	0.50	"	10.0		107	85-115			

**Matrix Spike (7E21046-MS1)**

**Source: MQE0587-01**

Prepared: 05/21/07 Analyzed: 05/22/07

Magnesium	14.1	0.10	mg/l	10.0	3.6	105	70-130			
Potassium	37.1	2.0	"	10.0	25	121	70-130			
Calcium	30.7	0.50	"	10.0	19	117	70-130			
Sodium	94.6	0.50	"	10.0	77	176	70-130			M7

**Matrix Spike Dup (7E21046-MSD1)**

**Source: MQE0587-01**

Prepared: 05/21/07 Analyzed: 05/22/07

Calcium	31.6	0.50	mg/l	10.0	19	126	70-130	3	20	
Magnesium	14.4	0.10	"	10.0	3.6	108	70-130	2	20	
Sodium	93.6	0.50	"	10.0	77	166	70-130	1	20	M7
Potassium	36.7	2.0	"	10.0	25	117	70-130	1	20	

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Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7E18031 - General Preparation / EPA 180.1

##### Blank (7E18031-BLK1)

Prepared & Analyzed: 05/16/07

Turbidity	ND	0.10	NTU
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##### Laboratory Control Sample (7E18031-BS1)

Prepared & Analyzed: 05/16/07

Turbidity	1.86	0.10	NTU	2.00	93	85-115
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##### Matrix Spike (7E18031-MS1)

Source: MQE0595-01

Prepared & Analyzed: 05/16/07

Turbidity	2.15	0.10	NTU	2.00	0.44	86	85-115
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##### Matrix Spike Dup (7E18031-MSD1)

Source: MQE0595-01

Prepared & Analyzed: 05/16/07

Turbidity	2.32	0.10	NTU	2.00	0.44	94	85-115	8	15
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#### Batch 7E22035 - General Preparation / SM 2320B

##### Blank (7E22035-BLK1)

Prepared & Analyzed: 05/22/07

Bicarbonate Alkalinity	ND	5.0	mg/l
Carbonate Alkalinity	ND	5.0	"
Hydroxide Alkalinity	ND	5.0	"
Total Alkalinity	ND	5.0	"

##### Laboratory Control Sample (7E22035-BS1)

Prepared & Analyzed: 05/22/07

Total Alkalinity	96.2	5.0	mg/l	100	96	80-115
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##### Matrix Spike (7E22035-MS1)

Source: MQE0687-03

Prepared & Analyzed: 05/22/07

Total Alkalinity	106	5.0	mg/l	100	12	94	80-115
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##### Matrix Spike Dup (7E22035-MSD1)

Source: MQE0687-03

Prepared & Analyzed: 05/22/07

Total Alkalinity	106	5.0	mg/l	100	12	94	80-115	0	20
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Entrix  
590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7E21021 - General Preparation / SM 2540C**

**Blank (7E21021-BLK1)**

Prepared: 05/16/07 Analyzed: 05/17/07

Total Dissolved Solids	ND	10	mg/l
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**Laboratory Control Sample (7E21021-BS1)**

Prepared: 05/16/07 Analyzed: 05/17/07

Total Dissolved Solids	514	10	mg/l	500	103	85-115
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**Duplicate (7E21021-DUP1)**

**Source: MQE0590-03**

Prepared: 05/16/07 Analyzed: 05/17/07

Total Dissolved Solids	350	10	mg/l	370	6	20
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**Batch 7E24045 - General Preparation / SM 2540C**

**Blank (7E24045-BLK1)**

Prepared: 05/22/07 Analyzed: 05/23/07

Total Dissolved Solids	ND	10	mg/l
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**Laboratory Control Sample (7E24045-BS1)**

Prepared: 05/22/07 Analyzed: 05/23/07

Total Dissolved Solids	498	10	mg/l	500	100	85-115
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**Duplicate (7E24045-DUP1)**

**Source: MQE0632-06**

Prepared: 05/22/07 Analyzed: 05/23/07

Total Dissolved Solids	130	10	mg/l	130	0	20
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**Batch 7E18007 - General Preparation / SM 2540D**

**Blank (7E18007-BLK1)**

Prepared: 05/17/07 Analyzed: 05/18/07

Total Suspended Solids	ND	10	mg/l
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**Duplicate (7E18007-DUP1)**

**Source: MQE0571-01**

Prepared: 05/17/07 Analyzed: 05/18/07

Total Suspended Solids	75.7	10	mg/l	110	37	20	R2
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Entrix  
590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7E21012 - General Preparation / SM 4500P-E

<b>Blank (7E21012-BLK1)</b>				Prepared & Analyzed: 05/17/07						
Phosphate (Ortho) as P	ND	0.010	mg/l							
<b>Laboratory Control Sample (7E21012-BS1)</b>				Prepared & Analyzed: 05/17/07						
Phosphate (Ortho) as P	0.250	0.010	mg/l	0.250		100	90-115			
<b>Matrix Spike (7E21012-MS1)</b>				Prepared & Analyzed: 05/17/07						
Phosphate (Ortho) as P	0.257	0.010	mg/l	0.250	ND	103	90-115			
<b>Matrix Spike Dup (7E21012-MSD1)</b>				Prepared & Analyzed: 05/17/07						
Phosphate (Ortho) as P	0.252	0.010	mg/l	0.250	ND	101	90-115	2	15	

#### Batch 7E21046 - EPA 200.7/3005A / SM2340B

<b>Blank (7E21046-BLK1)</b>				Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO <sub>3</sub>	ND	1.0	mg/l							
<b>Laboratory Control Sample (7E21046-BS1)</b>				Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO <sub>3</sub>	71.6	1.0	mg/l	66.2		108	85-115			
<b>Matrix Spike (7E21046-MS1)</b>				Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO <sub>3</sub>	135	1.0	mg/l	66.2	62	110	85-115			
<b>Matrix Spike Dup (7E21046-MSD1)</b>				Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO <sub>3</sub>	138	1.0	mg/l	66.2	62	115	85-115	2	20	

Entrix  
590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

### Anions by EPA Method 300.0 - Quality Control

#### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7E19009 - General Preparation / EPA 300.0

##### Blank (7E19009-BLK1)

Prepared & Analyzed: 05/17/07

Nitrite+Nitrate as N	ND	0.20	mg/l
Chloride	ND	1.0	"

##### Laboratory Control Sample (7E19009-BS1)

Prepared & Analyzed: 05/17/07

Chloride	9.92	1.0	mg/l	10.0	99	90-110
Nitrite+Nitrate as N	3.84	0.20	"	3.78	102	80-115

##### Matrix Spike (7E19009-MS1)

Source: MQE0685-02

Prepared & Analyzed: 05/17/07

Chloride	9.60	1.0	mg/l	10.0	0.72	89	80-120
Nitrite+Nitrate as N	3.74	0.20	"	3.78	ND	99	80-115

##### Matrix Spike Dup (7E19009-MSD1)

Source: MQE0685-02

Prepared & Analyzed: 05/17/07

Chloride	9.80	1.0	mg/l	10.0	0.72	91	80-120	2	20
Nitrite+Nitrate as N	3.85	0.20	"	3.78	ND	102	80-115	3	10

#### Batch 7E30026 - General Preparation / EPA 300.0

##### Blank (7E30026-BLK1)

Prepared & Analyzed: 05/29/07

Sulfate as SO4	ND	0.50	mg/l
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##### Laboratory Control Sample (7E30026-BS1)

Prepared & Analyzed: 05/29/07

Sulfate as SO4	9.98	0.50	mg/l	10.0	100	90-110
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##### Matrix Spike (7E30026-MS1)

Source: MQE0595-01

Prepared & Analyzed: 05/29/07

Sulfate as SO4	11.1	0.50	mg/l	10.0	0.72	104	80-120
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##### Matrix Spike Dup (7E30026-MSD1)

Source: MQE0595-01

Prepared & Analyzed: 05/29/07

Sulfate as SO4	11.3	0.50	mg/l	10.0	0.72	106	80-120	2	20
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Entrix  
590 Ygnacio Valley Rd  
Walnut Creek CA, 94596

Project: 07124MH - Water Samples (2007)  
Project Number: PCWA WQ - 3177621/0002  
Project Manager: Brian Frantz

MQE0595  
**Reported:**  
06/04/07 17:14

**Notes and Definitions**

R2	The RPD exceeded the acceptance limit.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



## CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD	
<input type="checkbox"/>	Nashville, TN
<input type="checkbox"/>	Orlando, FL
<input type="checkbox"/>	Cedar Falls, IA
<input type="checkbox"/>	Dayton, OH
<input type="checkbox"/>	Watertown, WI
<input checked="" type="checkbox"/>	Pontiac, MI
<input type="checkbox"/>	Indianapolis, IN
<input checked="" type="checkbox"/>	Morgan Hill, CA

**Client Name/Account #: Entrix**

**Address: 590 Ygnacio Valley Rd, Suite 200**

City/State/Zip: Walnut Creek, CA 94596

**Project Manager: Brian Frantz**

**Telephone Number: 925-935-9920**

**Sampler Name: (Print)** Coralie Dayde - Jillian Aldrin

**Sampler Signature:** Kevin D.

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring?	Yes	No
Enforcement Action?	Yes	No

Report To: Brian Frantz

Invoice To: Brian Frantz

TA Quote #: 07124MH

Project ID: PCWA WQ

Project #: 3177621/0002

[illegible]

Laboratory Comments:

Temperature Upon Receipt:  
VOCs Free of Headspace?

2.6.2

**Method of Shipment:**

FEDEX

Received by:

Date	Time
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Relinquished by:

Date \_\_\_\_\_

Received by: \_\_\_\_\_

Date	Time
------	------

Relinquished by:

Date \_\_\_\_\_

Received by: \_\_\_\_\_

Date	Time
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# TEST AMERICA SAMPLE RECEIPT LOG

For Regulatory Purposes?  
 DRINKING WATER YES / NO  
 WASTE WATER YES / NO

DATE REC'D AT LAB: 5/16/07  
 TIME REC'D AT LAB: 2055  
 DATE LOGGED IN:

CLIENT NAME: ENTRIX  
 REC. BY (PRINT): JUIENG  
 WORKORDER:

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESER VATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken		MFAR - 6 RM 36.5	2(L) P	-	-	W	5/16	
2. Chain-of-Custody	Present / Absent*			1(L) P	4ND3	-	↓	↓	
3. Traffic Reports or Packing List:	Present / Absent			1(L) P	42S04	↓	↓	↓	
4. Airbill:	Present / Absent Airbill / Slicker			1(500) A	HCL	↓	↓	↓	
5. Airbill #:	-		MFAR - 5 RM 35.5						
6. Sample Labels:	Present / Absent		IR - 1 RM 36.0						
7. Sample IDs:	Listed / Not Listed		NFAR - 1 RM 20.5						
8. Sample Condition:	Intact / Broken* / Leaking*		MFAR - 11 RM 0.0						
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*								
10. Sample received within hold time?	Yes / No*								
11. Adequate sample volume received?	Yes / No*								
12. Proper preservatives used?	Yes / No*								
13. Trip Blank / Temp Blank Received?	Yes / No*								
14. Read Temp: Corrected Temp: Is corrected temp 4 +/- 2°C?	Yes / No* 26°C Yes / No*								
(circle which, if yes) Is corrected temp 4 +/- 2°C? Yes / No* (blank range for samples requiring thermal pres) (if any): METALS / OFF ON ICE Item COC									

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.