

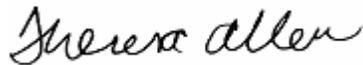
5 June, 2007

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

RE: 07124MH - Water Samples (2007)
Work Order: MQE0598

Enclosed are the results of analyses for samples received by the laboratory on 05/14/07 21:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Theresa Allen For 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.

Entrix 590 Ygnacio Valley Rd Walnut Creek CA, 94596	Project: 07124MH - Water Samples (2007) Project Number: PCWA WQ - 3177621/0002 Project Manager: Brian Frantz	MQE0598 Reported: 06/05/07 08:22
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MFAR-10 RM 9.0	MQE0598-01	Water	05/14/07 15:50	05/14/07 21:35

Entrix
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Reported:
06/05/07 08:22

INORGANICS

TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MFAR-10 RM 9.0 (MQE0598-01) Water Sampled: 05/14/07 15:50 Received: 05/14/07 21:35									
Ammonia-N	ND	0.50	mg/l	1	7E25147	05/25/07	05/25/07 21:27	EPA 350.3	
Phosphorus	ND	0.050	"	"	7E24156	05/24/07	05/24/07 20:27	EPA 365.3	
Total Kjeldahl Nitrogen	0.84	0.50	"	"	7E23144	05/23/07	05/24/07	EPA 351.3	
Total Organic Carbon	ND	1.0	"	"	7E23136	05/23/07	05/23/07 18:17	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
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MFAR-10 RM 9.0 (MQE0598-01) Water **Sampled: 05/14/07 15:50** **Received: 05/14/07 21:35**

Calcium	4.7	0.50	mg/l	1	7E21046	05/21/07	05/22/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	1.2	0.10	"	"	"	"	"	"	
Sodium	1.8	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
MFAR-10 RM 9.0 (MQE0598-01) Water Sampled: 05/14/07 15:50 Received: 05/14/07 21:35									
Bicarbonate Alkalinity	16	5.0	mg/l	1	7E22035	05/22/07	05/22/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	16	5.0	"	"	"	"	"	"	
Hardness as CaCO3	17	1.0	"	"	7E21046	05/21/07	05/22/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7E21015	05/15/07	05/15/07	SM 4500P-E	
Total Dissolved Solids	38	10	"	"	7E21021	05/16/07	05/17/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7E16011	05/15/07	05/16/07	SM 2540D	
Turbidity	0.27	0.10	NTU	"	7E18029	05/14/07	05/15/07	EPA 180.1	
							22:15		

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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
MFAR-10 RM 9.0 (MQE0598-01) Water Sampled: 05/14/07 15:50 Received: 05/14/07 21:35									
Chloride	1.5	1.0	mg/l	1	7E16010	05/15/07	05/15/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	1.7	0.50	"	"	7E31021	05/30/07	05/30/07	"	

Entrix 590 Ygnacio Valley Rd Walnut Creek CA, 94596	Project: 07124MH - Water Samples (2007) Project Number: PCWA WQ - 3177621/0002 Project Manager: Brian Frantz	MQE0598 Reported: 06/05/07 08:22
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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 7E25147 - General Prep / EPA 350.3

Blank (7E25147-BLK1)				Prepared & Analyzed: 05/25/07						
Ammonia-N	ND	0.50	mg/l							
Laboratory Control Sample (7E25147-BS1)				Prepared & Analyzed: 05/25/07						
Ammonia-N	1.11	0.50	mg/l	1.00		111	85-115			
Matrix Spike (7E25147-MS1)				Source: IQE2229-06 Prepared & Analyzed: 05/25/07						
Ammonia-N	2.14	0.50	mg/l	2.00	0.074	103	75-125			
Matrix Spike Dup (7E25147-MSD1)				Source: IQE2229-06 Prepared & Analyzed: 05/25/07						
Ammonia-N	2.14	0.50	mg/l	2.00	0.074	103	75-125	0	15	

Batch 7E23144 - General Prep / EPA 351.3

Blank (7E23144-BLK1)				Prepared: 05/23/07 Analyzed: 05/24/07						
Total Kjeldahl Nitrogen	ND	0.50	mg/l							
Laboratory Control Sample (7E23144-BS1)				Prepared: 05/23/07 Analyzed: 05/24/07						
Total Kjeldahl Nitrogen	19.6	0.50	mg/l	20.0		98	85-120			
Matrix Spike (7E23144-MS1)				Source: IQE2184-02 Prepared: 05/23/07 Analyzed: 05/24/07						
Total Kjeldahl Nitrogen	10.6	0.50	mg/l	10.0	ND	106	85-120			
Matrix Spike Dup (7E23144-MSD1)				Source: IQE2184-02 Prepared: 05/23/07 Analyzed: 05/24/07						
Total Kjeldahl Nitrogen	10.6	0.50	mg/l	10.0	ND	106	85-120	0	15	

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

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

Batch 7E23136 - General Prep / SM5310B

Blank (7E23136-BLK1)										
Prepared & Analyzed: 05/23/07										
Total Organic Carbon	ND	1.0	mg/l							
Laboratory Control Sample (7E23136-BS1)										
Prepared & Analyzed: 05/23/07										
Total Organic Carbon	10.2	1.0	mg/l	10.0		102	90-110			
Matrix Spike (7E23136-MS1)										
Source: IQE2264-01 Prepared & Analyzed: 05/23/07										
Total Organic Carbon	7.54	1.0	mg/l	5.00	2.8	95	80-120			
Matrix Spike Dup (7E23136-MSD1)										
Source: IQE2264-01 Prepared & Analyzed: 05/23/07										
Total Organic Carbon	7.84	1.0	mg/l	5.00	2.8	101	80-120	4	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	MQE0598 Reported: 06/05/07 08:22
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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

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

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				
Potassium	11.3	2.0	"	10.0	113	85-115				
Calcium	10.7	0.50	"	10.0	107	85-115				
Magnesium	10.9	0.10	"	10.0	109	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			
Sodium	94.6	0.50	"	10.0	77	176	70-130			M7
Potassium	37.1	2.0	"	10.0	25	121	70-130			
Calcium	30.7	0.50	"	10.0	19	117	70-130			

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	
Sodium	93.6	0.50	"	10.0	77	166	70-130	1	20	M7
Magnesium	14.4	0.10	"	10.0	3.6	108	70-130	2	20	
Potassium	36.7	2.0	"	10.0	25	117	70-130	1	20	

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MQE0598
Reported:
06/05/07 08:22

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 7E18029 - General Preparation / EPA 180.1

Blank (7E18029-BLK1)										
Prepared: 05/14/07 Analyzed: 05/15/07										
Turbidity	ND	0.10	NTU							
Laboratory Control Sample (7E18029-BS1)										
Prepared: 05/14/07 Analyzed: 05/15/07										
Turbidity	2.13	0.10	NTU	2.00		106	85-115			
Matrix Spike (7E18029-MS1)										
Source: MQE0598-01 Prepared: 05/14/07 Analyzed: 05/15/07										
Turbidity	2.52	0.10	NTU	2.00	0.27	112	85-115			
Matrix Spike Dup (7E18029-MSD1)										
Source: MQE0598-01 Prepared: 05/14/07 Analyzed: 05/15/07										
Turbidity	2.43	0.10	NTU	2.00	0.27	108	85-115	4	15	

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			
Matrix Spike (7E22035-MS1)										
Source: MQE0687-03 Prepared & Analyzed: 05/22/07										
Total Alkalinity	106	5.0	mg/l	100	12	94	80-115			
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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MQE0598
Reported:
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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								
Laboratory Control Sample (7E21021-BS1)											
					Prepared: 05/16/07 Analyzed: 05/17/07						
Total Dissolved Solids	514	10	mg/l	500		103	85-115				
Duplicate (7E21021-DUP1)											
					Source: MQE0590-03			Prepared: 05/16/07 Analyzed: 05/17/07			
Total Dissolved Solids	350	10	mg/l		370			6	20		

Batch 7E16011 - General Preparation / SM 2540D

Blank (7E16011-BLK1)											
					Prepared: 05/15/07 Analyzed: 05/16/07						
Total Suspended Solids	ND	10	mg/l								
Duplicate (7E16011-DUP1)											
					Source: MQE0438-02			Prepared: 05/15/07 Analyzed: 05/16/07			
Total Suspended Solids	35.3	10	mg/l		34			4	20		

Batch 7E21015 - General Preparation / SM 4500P-E

Blank (7E21015-BLK1)											
					Prepared & Analyzed: 05/15/07						
Phosphate (Ortho) as P	ND	0.010	mg/l								
Laboratory Control Sample (7E21015-BS1)											
					Prepared & Analyzed: 05/15/07						
Phosphate (Ortho) as P	0.258	0.010	mg/l	0.250		103	90-115				
Matrix Spike (7E21015-MS1)											
					Source: MQE0598-01			Prepared & Analyzed: 05/15/07			
Phosphate (Ortho) as P	0.254	0.010	mg/l	0.250	ND	102	90-115				

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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 7E21015 - General Preparation / SM 4500P-E

Matrix Spike Dup (7E21015-MSD1)	Source: MQE0598-01			Prepared & Analyzed: 05/15/07						
Phosphate (Ortho) as P	0.251	0.010	mg/l	0.250	ND	100	90-115	1	15	

Batch 7E21046 - EPA 200.7/3005A / SM2340B

Blank (7E21046-BLK1)	Prepared: 05/21/07 Analyzed: 05/22/07									
Hardness as CaCO3	ND	1.0	mg/l							

Laboratory Control Sample (7E21046-BS1)	Prepared: 05/21/07 Analyzed: 05/22/07									
Hardness as CaCO3	71.6	1.0	mg/l	66.2	62	110	85-115			

Matrix Spike (7E21046-MS1)	Source: MQE0587-01			Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO3	135	1.0	mg/l	66.2	62	110	85-115			

Matrix Spike Dup (7E21046-MSD1)	Source: MQE0587-01			Prepared: 05/21/07 Analyzed: 05/22/07						
Hardness as CaCO3	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	MQE0598 Reported: 06/05/07 08:22
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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 7E16010 - General Preparation / EPA 300.0

Blank (7E16010-BLK1)		Prepared & Analyzed: 05/15/07								
Nitrite+Nitrate as N	ND	0.20	mg/l							
Chloride	ND	1.0	"							
Laboratory Control Sample (7E16010-BS1)		Prepared & Analyzed: 05/15/07								
Nitrite+Nitrate as N	3.86	0.20	mg/l	3.78	102		80-115			
Chloride	9.94	1.0	"	10.0	99		90-110			
Matrix Spike (7E16010-MS1)		Source: MQE0548-02		Prepared & Analyzed: 05/15/07						
Chloride	11.7	1.0	mg/l	10.0	1.8	99	80-120			
Nitrite+Nitrate as N	3.83	0.20	"	3.78	0.17	97	80-115			
Matrix Spike Dup (7E16010-MSD1)		Source: MQE0548-02		Prepared & Analyzed: 05/15/07						
Chloride	11.7	1.0	mg/l	10.0	1.8	99	80-120	0	20	
Nitrite+Nitrate as N	3.86	0.20	"	3.78	0.17	98	80-115	0.8	10	

Batch 7E31021 - General Preparation / EPA 300.0

Blank (7E31021-BLK1)		Prepared & Analyzed: 05/30/07								
Sulfate as SO4	ND	0.50	mg/l							
Laboratory Control Sample (7E31021-BS1)		Prepared & Analyzed: 05/30/07								
Sulfate as SO4	10.3	0.50	mg/l	10.0	103		90-110			
Matrix Spike (7E31021-MS1)		Source: MQE0598-01		Prepared & Analyzed: 05/30/07						
Sulfate as SO4	12.1	0.50	mg/l	10.0	1.7	104	80-120			
Matrix Spike Dup (7E31021-MSD1)		Source: MQE0598-01		Prepared & Analyzed: 05/30/07						
Sulfate as SO4	12.1	0.50	mg/l	10.0	1.7	104	80-120	0	20	

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Notes and Definitions

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

TEST AMERICA SAMPLE RECEIPT LOG

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

CLIENT NAME: ENRIX
 REC. BY (PRINT): JUJENG
 WORKORDER: _____

DATE REC'D AT LAB: 5/14/07
 TIME REC'D AT LAB: 2:35
 DATE LOGGED IN: _____

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	PH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*		MEAR-10 RM9-0	2(L) P	-	-	W	5/14	
2. Chain-of-Custody Present / Absent*			1(L) P	LIN03	↓	↓	↓	
3. Traffic Reports or Picking List: Present / Absent			1(L) P	112504	↓	↓		
4. Airbill: Present / Absent Airbill / Slicker Present / Absent			1(500)A	HCL	↓	↓		
5. Airbill #: _____								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed								
8. Sample Condition: Intact / Broken* / Leaking*								
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: <u>5.4°C</u> Is corrected temp 4 +/-2°C? <u>Yes</u> No**								
*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.								

TIME N/A

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