

29 October, 2007

Coralie Dayde
Entrix
2300 Clayton Road, Suite 200
Concord, CA 94520

RE: PCWA WQ
Work Order: MQJ0187

Enclosed are the results of analyses for samples received by the laboratory on 10/04/07 20:30. 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.

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FM-1	MQJ0187-01	Water	10/03/07 09:00	10/04/07 20:30
FM-1(S)	MQJ0187-02	Water	10/03/07 09:30	10/04/07 20:30
FM-2	MQJ0187-03	Water	10/03/07 10:15	10/04/07 20:30
FM-2(S)	MQJ0187-04	Water	10/03/07 11:00	10/04/07 20:30
FM-3	MQJ0187-05	Water	10/03/07 12:30	10/04/07 20:30
FM-3(S)	MQJ0187-06	Water	10/03/07 13:00	10/04/07 20:30
Trip Blank	MQJ0187-07	Water	10/03/07 10:00	10/04/07 20:30
MFAR-1 RM51.5	MQJ0187-08	Water	10/03/07 12:00	10/04/07 20:30
MFAR-2 RM46.5	MQJ0187-09	Water	10/03/07 11:25	10/04/07 20:30
RR-2	MQJ0187-10	Water	10/03/07 10:20	10/04/07 20:30

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		96 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84 %	60-135		"	"	"	"	

FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81 %	60-135		"	"	"	"	

FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		92 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79 %	60-135		"	"	"	"	

FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		91 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79 %	60-135		"	"	"	"	

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		91 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78 %	60-135		"	"	"	"	

FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/13/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		89 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78 %	60-135		"	"	"	"	

Trip Blank (MQJ0187-07) Water Sampled: 10/03/07 10:00 Received: 10/04/07 20:30

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J12001	10/12/07	10/12/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		99 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87 %	60-135		"	"	"	"	

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Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30									
Calcium	2.4	0.50	mg/l	1	7J19027	10/19/07	10/23/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.59	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	
FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30									
Calcium	2.4	0.50	mg/l	1	7J19027	10/19/07	10/23/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.59	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	
FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30									
Calcium	2.5	0.50	mg/l	1	7J19027	10/19/07	10/23/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.60	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	
FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30									
Calcium	2.4	0.50	mg/l	1	7J19027	10/19/07	10/23/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.58	0.10	"	"	"	"	"	"	
Sodium	1.2	0.50	"	"	"	"	"	"	
FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30									
Calcium	2.4	0.50	mg/l	1	7J19027	10/19/07	10/23/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.60	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	

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Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30									
Calcium	2.5	0.50	mg/l	1	7J19027	10/19/07	10/24/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.61	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	
MFAR-1 RM51.5 (MQJ0187-08) Water Sampled: 10/03/07 12:00 Received: 10/04/07 20:30									
Calcium	4.9	0.50	mg/l	1	7J19027	10/19/07	10/24/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	1.3	0.10	"	"	"	"	"	"	
Sodium	2.8	0.50	"	"	"	"	"	"	
MFAR-2 RM46.5 (MQJ0187-09) Water Sampled: 10/03/07 11:25 Received: 10/04/07 20:30									
Calcium	2.7	0.50	mg/l	1	7J19027	10/19/07	10/24/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.63	0.10	"	"	"	"	"	"	
Sodium	1.2	0.50	"	"	"	"	"	"	
RR-2 (MQJ0187-10) Water Sampled: 10/03/07 10:20 Received: 10/04/07 20:30									
Calcium	3.0	0.50	mg/l	1	7J19027	10/19/07	10/24/07	EPA 200.7	
Potassium	ND	2.0	"	"	"	"	"	"	
Magnesium	0.56	0.10	"	"	"	"	"	"	
Sodium	1.3	0.50	"	"	"	"	"	"	

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2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30

Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
Surrogate: Dibromofluoromethane		105 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		96 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84 %	60-135		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		"	"	"	"	

FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30

Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
Surrogate: Dibromofluoromethane		104 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81 %	60-135		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		"	"	"	"	

FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30

Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
Surrogate: Dibromofluoromethane		102 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		92 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79 %	60-135		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		"	"	"	"	

FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30

Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
Surrogate: Dibromofluoromethane		101 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		91 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79 %	60-135		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		"	"	"	"	

Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		102 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		78 %	60-135		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130		"	"	"	"	
FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/13/07	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		101 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		78 %	60-135		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130		"	"	"	"	
Trip Blank (MQJ0187-07) Water Sampled: 10/03/07 10:00 Received: 10/04/07 20:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	7J12001	10/12/07	10/12/07	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		102 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87 %	60-135		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130		"	"	"	"	

Entrix
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Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

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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FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30

Bicarbonate Alkalinity	14	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	14	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.4	1.0	"	"	7J19027	10/19/07	10/23/07	SM2340B	
Oil & Grease (HEM)	ND	4.8	"	"	7J16047	10/16/07	10/16/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	66	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.30	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30

Bicarbonate Alkalinity	14	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	14	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.4	1.0	"	"	7J19027	10/19/07	10/23/07	SM2340B	
Oil & Grease (HEM)	ND	4.9	"	"	7J16047	10/16/07	10/16/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	58	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.36	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30

Bicarbonate Alkalinity	13	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	13	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.7	1.0	"	"	7J19027	10/19/07	10/23/07	SM2340B	
Oil & Grease (HEM)	ND	4.9	"	"	7J16047	10/16/07	10/16/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	52	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.40	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30									
Bicarbonate Alkalinity	14	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	14	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.4	1.0	"	"	7J19027	10/19/07	10/23/07	SM2340B	
Oil & Grease (HEM)	ND	4.7	"	"	7J16047	10/16/07	10/16/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	46	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.50	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	
FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30									
Bicarbonate Alkalinity	13	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	13	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.5	1.0	"	"	7J19027	10/19/07	10/23/07	SM2340B	
Oil & Grease (HEM)	ND	5.2	"	"	7J16047	10/16/07	10/16/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	54	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.41	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	
FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30									
Bicarbonate Alkalinity	13	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	13	5.0	"	"	"	"	"	"	
Hardness as CaCO3	8.8	1.0	"	"	7J19027	10/19/07	10/24/07	SM2340B	
Oil & Grease (HEM)	ND	4.8	"	"	7J18044	10/18/07	10/18/07	EPA 1664A	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	58	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.42	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

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-1 RM51.5 (MQJ0187-08) Water Sampled: 10/03/07 12:00 Received: 10/04/07 20:30

Bicarbonate Alkalinity	21	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	21	5.0	"	"	"	"	"	"	
Hardness as CaCO3	18	1.0	"	"	7J19027	10/19/07	10/24/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	76	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.41	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

MFAR-2 RM46.5 (MQJ0187-09) Water Sampled: 10/03/07 11:25 Received: 10/04/07 20:30

Bicarbonate Alkalinity	14	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	14	5.0	"	"	"	"	"	"	
Hardness as CaCO3	9.3	1.0	"	"	7J19027	10/19/07	10/24/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	52	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.44	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

RR-2 (MQJ0187-10) Water Sampled: 10/03/07 10:20 Received: 10/04/07 20:30

Bicarbonate Alkalinity	12	5.0	mg/l	1	7J11037	10/10/07	10/10/07	SM 2320B	
Carbonate Alkalinity	ND	5.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	5.0	"	"	"	"	"	"	
Total Alkalinity	12	5.0	"	"	"	"	"	"	
Hardness as CaCO3	9.8	1.0	"	"	7J19027	10/19/07	10/24/07	SM2340B	
Phosphate (Ortho) as P	ND	0.010	"	"	7J09052	10/04/07	10/04/07 21:50	SM 4500P-E	
Total Dissolved Solids	86	10	"	"	7J09048	10/04/07	10/05/07	SM 2540C	
Total Suspended Solids	ND	10	"	"	7J08008	10/05/07	10/08/07	SM 2540D	
Turbidity	0.54	0.10	NTU	"	7J09019	10/04/07	10/04/07 22:10	EPA 180.1	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

Anions by EPA Method 300.0

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30									
Chloride	ND	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.72	0.50	"	"	"	"	"	"	
FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30									
Chloride	1.1	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.65	0.50	"	"	"	"	"	"	
FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30									
Chloride	1.0	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	2.9	0.50	"	"	"	"	"	"	
FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30									
Chloride	2.2	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.57	0.50	"	"	"	"	"	"	
FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30									
Chloride	2.3	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.66	0.50	"	"	"	"	"	"	
FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30									
Chloride	1.3	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.68	0.50	"	"	"	"	"	"	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

Anions by EPA Method 300.0

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MFAR-1 RM51.5 (MQJ0187-08) Water Sampled: 10/03/07 12:00 Received: 10/04/07 20:30									
Chloride	3.7	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	1.2	0.50	"	"	"	"	"	"	
MFAR-2 RM46.5 (MQJ0187-09) Water Sampled: 10/03/07 11:25 Received: 10/04/07 20:30									
Chloride	2.0	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.83	0.50	"	"	"	"	"	"	
RR-2 (MQJ0187-10) Water Sampled: 10/03/07 10:20 Received: 10/04/07 20:30									
Chloride	2.4	1.0	mg/l	1	7J08009	10/05/07	10/05/07	EPA 300.0	
Nitrite+Nitrate as N	ND	0.20	"	"	"	"	"	"	
Sulfate as SO4	0.94	0.50	"	"	"	"	"	"	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

General Chemistry Parameters

TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FM-1 (MQJ0187-01) Water Sampled: 10/03/07 09:00 Received: 10/04/07 20:30

Ammonia as N	0.133	0.100	mg/L	1	7102961	10/16/07	10/17/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	ND	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

FM-1(S) (MQJ0187-02) Water Sampled: 10/03/07 09:30 Received: 10/04/07 20:30

Ammonia as N	0.167	0.100	mg/L	1	7102961	10/16/07	10/17/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	ND	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	1.59	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

FM-2 (MQJ0187-03) Water Sampled: 10/03/07 10:15 Received: 10/04/07 20:30

Ammonia as N	0.207	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	0.211	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

FM-2(S) (MQJ0187-04) Water Sampled: 10/03/07 11:00 Received: 10/04/07 20:30

Ammonia as N	0.117	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	0.173	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

FM-3 (MQJ0187-05) Water Sampled: 10/03/07 12:30 Received: 10/04/07 20:30

Ammonia as N	0.122	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	0.102	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

General Chemistry Parameters

TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FM-3(S) (MQJ0187-06) Water Sampled: 10/03/07 13:00 Received: 10/04/07 20:30									
Ammonia as N	0.101	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	0.148	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	
MFAR-1 RM51.5 (MQJ0187-08) Water Sampled: 10/03/07 12:00 Received: 10/04/07 20:30									
Ammonia as N	0.121	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	ND	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	
MFAR-2 RM46.5 (MQJ0187-09) Water Sampled: 10/03/07 11:25 Received: 10/04/07 20:30									
Ammonia as N	ND	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	ND	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	
RR-2 (MQJ0187-10) Water Sampled: 10/03/07 10:20 Received: 10/04/07 20:30									
Ammonia as N	ND	0.100	mg/L	1	7103232	10/17/07	10/18/07	EPA 350.1M	
Phosphorus	ND	0.100	"	"	7104796	10/25/07	10/25/07	EPA 365.4	
Total Kjeldahl Nitrogen	ND	0.100	"	"	7104732	"	10/25/07	EPA 351.2	
Total Organic Carbon	ND	1.00	"	"	7102124	10/10/07 16:45	10/14/07	SM5310 B	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - 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 7J12001 - EPA 5030B P/T / LUFT GCMS

Blank (7J12001-BLK1)

Prepared & Analyzed: 10/12/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.73		"	2.50		109	70-130			
Surrogate: Dibromofluoromethane	2.51		"	2.50		100	75-120			
Surrogate: Toluene-d8	2.33		"	2.50		93	80-120			
Surrogate: 4-Bromofluorobenzene	2.01		"	2.50		80	60-135			

Laboratory Control Sample (7J12001-BS2)

Prepared & Analyzed: 10/12/07

Gasoline Range Organics (C4-C12)	501	50	ug/l	500		100	55-130			
Surrogate: 1,2-Dichloroethane-d4	2.67		"	2.50		107	65-135			
Surrogate: Dibromofluoromethane	2.51		"	2.50		100	80-120			
Surrogate: Toluene-d8	2.58		"	2.50		103	75-120			
Surrogate: 4-Bromofluorobenzene	2.57		"	2.50		103	65-120			

Laboratory Control Sample Dup (7J12001-BSD2)

Prepared & Analyzed: 10/12/07

Gasoline Range Organics (C4-C12)	461	50	ug/l	500		92	55-130	8	20	
Surrogate: 1,2-Dichloroethane-d4	2.73		"	2.50		109	65-135			
Surrogate: Dibromofluoromethane	2.54		"	2.50		102	80-120			
Surrogate: Toluene-d8	2.62		"	2.50		105	75-120			
Surrogate: 4-Bromofluorobenzene	2.51		"	2.50		100	65-120			

Matrix Spike (7J12001-MS1)

Source: MQJ0187-01

Prepared: 10/12/07 Analyzed: 10/13/07

Gasoline Range Organics (C4-C12)	522	50	ug/l	550	ND	95	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.72		"	2.50		109	70-130			
Surrogate: Dibromofluoromethane	2.73		"	2.50		109	75-120			
Surrogate: Toluene-d8	2.57		"	2.50		103	80-120			
Surrogate: 4-Bromofluorobenzene	2.47		"	2.50		99	60-135			

Matrix Spike Dup (7J12001-MSD1)

Source: MQJ0187-01

Prepared: 10/12/07 Analyzed: 10/13/07

Gasoline Range Organics (C4-C12)	515	50	ug/l	550	ND	94	65-120	1	20	
Surrogate: 1,2-Dichloroethane-d4	2.61		"	2.50		104	70-130			
Surrogate: Dibromofluoromethane	2.69		"	2.50		108	75-120			
Surrogate: Toluene-d8	2.55		"	2.50		102	80-120			
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50		96	60-135			

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

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 7J19027 - EPA 200.7/3005A / EPA 200.7

Blank (7J19027-BLK1)

Prepared: 10/19/07 Analyzed: 10/23/07

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

Laboratory Control Sample (7J19027-BS1)

Prepared: 10/19/07 Analyzed: 10/23/07

Calcium	10.5	0.50	mg/l	10.0	105	85-115
Magnesium	10.2	0.10	"	10.0	102	85-115
Sodium	10.3	0.50	"	10.0	103	85-115
Potassium	10.5	2.0	"	10.0	105	85-115

Matrix Spike (7J19027-MS1)

Source: MQJ0208-01

Prepared: 10/19/07 Analyzed: 10/23/07

Calcium	25.7	0.50	mg/l	10.0	15.2	105	70-130
Sodium	75.8	0.50	"	10.0	65.0	108	70-130
Magnesium	19.1	0.10	"	10.0	9.08	100	70-130
Potassium	13.6	2.0	"	10.0	3.02	106	70-130

Matrix Spike Dup (7J19027-MSD1)

Source: MQJ0208-01

Prepared: 10/19/07 Analyzed: 10/23/07

Magnesium	19.0	0.10	mg/l	10.0	9.08	100	70-130	0.4	20
Calcium	25.4	0.50	"	10.0	15.2	102	70-130	1	20
Sodium	74.8	0.50	"	10.0	65.0	98	70-130	1	20
Potassium	13.2	2.0	"	10.0	3.02	102	70-130	3	20

Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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Volatile Organic Compounds by EPA Method 8260B - 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 7J12001 - EPA 5030B P/T / EPA 8260B

Blank (7J12001-BLK1)

Prepared & Analyzed: 10/12/07

Methyl tert-butyl ether	ND	0.50	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	2.51		"	2.50		100	75-120			
<i>Surrogate: Toluene-d8</i>	2.33		"	2.50		93	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.01		"	2.50		80	60-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.73		"	2.50		109	70-130			

Laboratory Control Sample (7J12001-BS1)

Prepared & Analyzed: 10/12/07

Methyl tert-butyl ether	10.8	0.50	ug/l	10.0		108	50-140			
<i>Surrogate: Dibromofluoromethane</i>	2.59		"	2.50		104	75-120			
<i>Surrogate: Toluene-d8</i>	2.56		"	2.50		102	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.46		"	2.50		98	60-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.64		"	2.50		106	70-130			

Matrix Spike (7J12001-MS1)

Source: MQJ0187-01

Prepared: 10/12/07 Analyzed: 10/13/07

Methyl tert-butyl ether	11.0	0.50	ug/l	10.0	ND	110	50-140			
<i>Surrogate: Dibromofluoromethane</i>	2.73		"	2.50		109	75-120			
<i>Surrogate: Toluene-d8</i>	2.57		"	2.50		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.47		"	2.50		99	60-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.72		"	2.50		109	70-130			

Matrix Spike Dup (7J12001-MSD1)

Source: MQJ0187-01

Prepared: 10/12/07 Analyzed: 10/13/07

Methyl tert-butyl ether	10.6	0.50	ug/l	10.0	ND	106	50-140	4	25	
<i>Surrogate: Dibromofluoromethane</i>	2.69		"	2.50		108	75-120			
<i>Surrogate: Toluene-d8</i>	2.55		"	2.50		102	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		"	2.50		96	60-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.61		"	2.50		104	70-130			

Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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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 7J16047 - General Prep / EPA 1664A

Blank (7J16047-BLK1)				Prepared & Analyzed: 10/16/07						
Oil & Grease (HEM)	ND	5.0	mg/l							
Laboratory Control Sample (7J16047-BS1)				Prepared & Analyzed: 10/16/07						
Oil & Grease (HEM)	17.8	5.0	mg/l	20.0		89	65-115			
Laboratory Control Sample Dup (7J16047-BSD1)				Prepared & Analyzed: 10/16/07						
Oil & Grease (HEM)	16.2	5.0	mg/l	20.0		81	65-115	9	15	
Duplicate (7J16047-DUP1)				Source: MQJ0128-02				Prepared & Analyzed: 10/16/07		
Oil & Grease (HEM)	ND	4.9	mg/l		ND				35	

Batch 7J18044 - General Prep / EPA 1664A

Blank (7J18044-BLK1)				Prepared & Analyzed: 10/18/07						
Oil & Grease (HEM)	ND	5.0	mg/l							
Laboratory Control Sample (7J18044-BS1)				Prepared & Analyzed: 10/18/07						
Oil & Grease (HEM)	17.7	5.0	mg/l	20.0		88	65-115			
Laboratory Control Sample Dup (7J18044-BSD1)				Prepared & Analyzed: 10/18/07						
Oil & Grease (HEM)	17.3	5.0	mg/l	20.0		86	65-115	2	15	
Duplicate (7J18044-DUP1)				Source: MQJ0336-04				Prepared & Analyzed: 10/18/07		
Oil & Grease (HEM)	173	4.8	mg/l		153			13	35	

Batch 7J09019 - General Preparation / EPA 180.1

Blank (7J09019-BLK1)				Prepared & Analyzed: 10/04/07						
Turbidity	ND	0.10	NTU							

Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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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 7J09019 - General Preparation / EPA 180.1

Laboratory Control Sample (7J09019-BS1)				Prepared & Analyzed: 10/04/07						
Turbidity	2.09	0.10	NTU	2.00		104	85-115			
Matrix Spike (7J09019-MS1)				Source: MQJ0187-01 Prepared & Analyzed: 10/04/07						
Turbidity	2.40	0.10	NTU	2.00	0.300	105	85-115			
Matrix Spike Dup (7J09019-MSD1)				Source: MQJ0187-01 Prepared & Analyzed: 10/04/07						
Turbidity	2.43	0.10	NTU	2.00	0.300	106	85-115	1	15	

Batch 7J11037 - General Preparation / SM 2320B

Blank (7J11037-BLK1)				Prepared & Analyzed: 10/10/07						
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 (7J11037-BS1)				Prepared & Analyzed: 10/10/07						
Total Alkalinity	102	5.0	mg/l	100		102	80-115			
Matrix Spike (7J11037-MS1)				Source: MQJ0187-10 Prepared & Analyzed: 10/10/07						
Total Alkalinity	115	5.0	mg/l	100	12.3	102	80-115			
Matrix Spike Dup (7J11037-MSD1)				Source: MQJ0187-10 Prepared & Analyzed: 10/10/07						
Total Alkalinity	114	5.0	mg/l	100	12.3	102	80-115	0.7	20	

Batch 7J09048 - General Preparation / SM 2540C

Blank (7J09048-BLK1)				Prepared: 10/04/07 Analyzed: 10/05/07						
Total Dissolved Solids	ND	10	mg/l							

Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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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 7J09048 - General Preparation / SM 2540C

Laboratory Control Sample (7J09048-BS1)				Prepared: 10/04/07 Analyzed: 10/05/07						
Total Dissolved Solids	504	10	mg/l	500	101	85-115				
Duplicate (7J09048-DUP1)				Source: MQJ0128-02 Prepared: 10/04/07 Analyzed: 10/05/07						
Total Dissolved Solids	48.0	10	mg/l	38.0	23	20				R2

Batch 7J08008 - General Preparation / SM 2540D

Blank (7J08008-BLK1)				Prepared: 10/05/07 Analyzed: 10/08/07						
Total Suspended Solids	ND	10	mg/l							
Duplicate (7J08008-DUP1)				Source: MQJ0185-01 Prepared: 10/05/07 Analyzed: 10/08/07						
Total Suspended Solids	6.00	10	mg/l	ND		20				

Batch 7J09052 - General Preparation / SM 4500P-E

Blank (7J09052-BLK1)				Prepared & Analyzed: 10/04/07						
Phosphate (Ortho) as P	ND	0.010	mg/l							
Laboratory Control Sample (7J09052-BS1)				Prepared & Analyzed: 10/04/07						
Phosphate (Ortho) as P	0.260	0.010	mg/l	0.250	104	90-115				
Matrix Spike (7J09052-MS1)				Source: MQJ0187-01 Prepared & Analyzed: 10/04/07						
Phosphate (Ortho) as P	0.262	0.010	mg/l	0.250	0.00200	104	90-115			
Matrix Spike Dup (7J09052-MSD1)				Source: MQJ0187-01 Prepared & Analyzed: 10/04/07						
Phosphate (Ortho) as P	0.260	0.010	mg/l	0.250	0.00200	103	90-115	0.8	15	

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

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 7J19027 - EPA 200.7/3005A / SM2340B

Blank (7J19027-BLK1)

Prepared: 10/19/07 Analyzed: 10/23/07

Hardness as CaCO ₃	ND	1.0	mg/l
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Laboratory Control Sample (7J19027-BS1)

Prepared: 10/19/07 Analyzed: 10/23/07

Hardness as CaCO ₃	68.2	1.0	mg/l	66.2	103	85-115
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Matrix Spike (7J19027-MS1)

Source: MQJ0208-01

Prepared: 10/19/07 Analyzed: 10/23/07

Hardness as CaCO ₃	143	1.0	mg/l	66.2	74.9	103	85-115
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Matrix Spike Dup (7J19027-MSD1)

Source: MQJ0208-01

Prepared: 10/19/07 Analyzed: 10/23/07

Hardness as CaCO ₃	142	1.0	mg/l	66.2	74.9	101	85-115	0.8	20
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Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

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 7J08009 - General Preparation / EPA 300.0

Blank (7J08009-BLK1)

Prepared & Analyzed: 10/05/07

Nitrite+Nitrate as N	ND	0.20	mg/l
Sulfate as SO4	ND	0.50	"
Chloride	ND	1.0	"

Laboratory Control Sample (7J08009-BS1)

Prepared & Analyzed: 10/05/07

Chloride	9.65	1.0	mg/l	10.0	96	90-110
Nitrite+Nitrate as N	3.75	0.20	"	3.78	99	80-115
Sulfate as SO4	9.92	0.50	"	10.0	99	90-110

Matrix Spike (7J08009-MS1)

Source: MQJ0237-02

Prepared & Analyzed: 10/05/07

Chloride	10.0	1.0	mg/l	10.0	0.671	93	80-120
Nitrite+Nitrate as N	3.85	0.20	"	3.78	0.0736	100	80-115
Sulfate as SO4	10.3	0.50	"	10.0	0.468	98	80-120

Matrix Spike Dup (7J08009-MSD1)

Source: MQJ0237-02

Prepared & Analyzed: 10/05/07

Chloride	10.2	1.0	mg/l	10.0	0.671	95	80-120	2	20
Nitrite+Nitrate as N	3.92	0.20	"	3.78	0.0736	102	80-115	2	10
Sulfate as SO4	10.5	0.50	"	10.0	0.468	100	80-120	2	20

Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

General Chemistry Parameters - Quality Control

TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7102961 - NO PREP / EPA 350.1M

Blank (7102961-BLK1)

Prepared & Analyzed: 10/17/07

Ammonia as N	ND	0.100	mg/L
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Laboratory Control Sample (7102961-BS1)

Prepared & Analyzed: 10/17/07

Ammonia as N	4.72	0.100	mg/L	5.00	94	90-110	MNR
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Laboratory Control Sample Dup (7102961-BSD1)

Prepared & Analyzed: 10/17/07

Ammonia as N	5.20	0.100	mg/L	5.00	104	90-110	10	36
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Batch 7103232 - NO PREP / EPA 350.1M

Blank (7103232-BLK1)

Prepared: 10/17/07 Analyzed: 10/18/07

Ammonia as N	ND	0.100	mg/L
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Laboratory Control Sample (7103232-BS1)

Prepared: 10/17/07 Analyzed: 10/18/07

Ammonia as N	5.19	0.100	mg/L	5.00	104	90-110
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Duplicate (7103232-DUP1)

Source: NQJ1088-01

Prepared: 10/17/07 Analyzed: 10/18/07

Ammonia as N	0.310	0.100	mg/L	0.150	70	36	R2
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Matrix Spike (7103232-MS1)

Source: MQJ0187-03

Prepared: 10/17/07 Analyzed: 10/18/07

Ammonia as N	5.33	0.100	mg/L	5.00	0.207	102	90-110
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Matrix Spike Dup (7103232-MSD1)

Source: MQJ0187-03

Prepared: 10/17/07 Analyzed: 10/18/07

Ammonia as N	5.49	0.100	mg/L	5.00	0.207	106	90-110	3	36
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Batch 7104732 - NO PREP / EPA 351.2

Blank (7104732-BLK1)

Prepared & Analyzed: 10/25/07

Total Kjeldahl Nitrogen	ND	0.100	mg/L
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Entrix	Project: PCWA WQ	MQJ0187
2300 Clayton Road, Suite 200	Project Number: 3177621/0002	Reported:
Concord CA, 94520	Project Manager: Coralie Dayde	10/29/07 11:40

General Chemistry Parameters - Quality Control

TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7104732 - NO PREP / EPA 351.2

Laboratory Control Sample (7104732-BS1)

Prepared & Analyzed: 10/25/07

Total Kjeldahl Nitrogen	2.44	0.100	mg/L	2.50	98	90-110
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Duplicate (7104732-DUP1)

Source: NQJ1580-01

Prepared & Analyzed: 10/25/07

Total Kjeldahl Nitrogen	0.198	0.100	mg/L	0.229	15	20
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Matrix Spike (7104732-MS1)

Source: MQJ0187-01

Prepared & Analyzed: 10/25/07

Total Kjeldahl Nitrogen	2.54	0.100	mg/L	2.50	0.0990	98	90-110
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Matrix Spike Dup (7104732-MSD1)

Source: MQJ0187-01

Prepared & Analyzed: 10/25/07

Total Kjeldahl Nitrogen	2.52	0.100	mg/L	2.50	0.0990	97	90-110	0.9	20
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Batch 7104796 - NO PREP / EPA 365.4

Blank (7104796-BLK1)

Prepared & Analyzed: 10/25/07

Phosphorus	ND	0.100	mg/L
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Laboratory Control Sample (7104796-BS1)

Prepared & Analyzed: 10/25/07

Phosphorus	2.00	0.100	mg/L	2.00	100	90-110
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Duplicate (7104796-DUP1)

Source: NQJ1580-01

Prepared & Analyzed: 10/25/07

Phosphorus	0.0830	0.100	mg/L	0.101	20	20
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Matrix Spike (7104796-MS1)

Source: MQJ0187-01

Prepared & Analyzed: 10/25/07

Phosphorus	1.84	0.100	mg/L	2.00	ND	92	76-112
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Matrix Spike Dup (7104796-MSD1)

Source: MQJ0187-01

Prepared & Analyzed: 10/25/07

Phosphorus	1.68	0.100	mg/L	2.00	ND	84	76-112	9	20
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Entrix 2300 Clayton Road, Suite 200 Concord CA, 94520	Project: PCWA WQ Project Number: 3177621/0002 Project Manager: Coralie Dayde	MQJ0187 Reported: 10/29/07 11:40
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General Chemistry Parameters - Quality Control

TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7102124 - METHOD PREP / SM5310 B

Blank (7102124-BLK1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	ND	1.00	mg/L							
Laboratory Control Sample (7102124-BS1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	194		ug/mL	200		97	90-110			
Laboratory Control Sample Dup (7102124-BSD1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	196		ug/mL	200		98	90-110	0.9	20	
Duplicate (7102124-DUP1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	ND	1.00	mg/L		ND				20	
Matrix Spike (7102124-MS1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	19.5		ug/mL	20.0	0.939	93	77-128			
Matrix Spike Dup (7102124-MSD1)				Prepared: 10/10/07 Analyzed: 10/14/07						
Total Organic Carbon	19.4		ug/mL	20.0	0.939	92	77-128	0.6	20	

Entrix
2300 Clayton Road, Suite 200
Concord CA, 94520

Project: PCWA WQ
Project Number: 3177621/0002
Project Manager: Coralie Dayde

MQJ0187
Reported:
10/29/07 11:40

Notes and Definitions

R2	The RPD exceeded the acceptance limit.
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
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

ANALYTICAL TESTING CORPORATION

Address: 2300 Clayton Road, Suite 200,

Project Manager: Brian Frantz/Ed Bianchi

Fax No.: 925-935-5368

Project ID: PCWA WQ

Project #: 3177621/0002

3 coopers

regulatory purposes?

Enforcement Action?

Invoice To: Coralie Dayde

TA Quote #: 07124MH

Project #: 3177621/0002

2.

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[illegible]

Method of Shipment:

courier

VOCs Free of Heads

$$\mathbb{Z}$$

Relinquished by:

Allen Jones

Reinquired by:


Date _____

Tim

Received by TestAmerica:

Date

Time

Relinquished by: 

Date	10-4-07
	10-4-07

Time	1730	1830
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Received by TestAme
Julie

TestAmerica:
J
Julie N. / DMH

Date _____

Time 22
7

25

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ENTRY
 REC. BY (PRINT) DUKE N.
 WORKORDER: MA0187

DATE REC'D AT LAB: 10/4/07
 TIME REC'D AT LAB: 2:30
 DATE LOGGED IN: 10/5/07

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

CIRCLE THE APPROPRIATE RESPONSE

	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESER VATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	01	FM-1	2(L) P	-	-	W	10/3/07	
2. Chain-of-Custody			1(L) P	H2SO4				
3. Traffic Reports or Packing List:			1(L) P	HNO3				
4. Airbill:			2(L) A	HCL				
5. Airbill #:	02	FM-1(S)	1(250)A	HCL				
6. Sample Labels:	03	FM-2	4 Vials	HCL				
7. Sample IDs:	04	FM-2(S)	Same	Same				
8. Sample Condition:	05	FM-3						
	06	FM-3(S)	↓	↓				
	07	TRIP Blank	1 Vials	HCL				
	08	MFAR-1 RM151.5	2(L) P	-				
9. Does information on chain-of-custody, traffic reports and sample labels agree?			1(L) P	H2SO4				
			1(L) P	HNO3				
10. Sample received within hold time?	09	MFAR-2 RM146.5	1(250)A	HCL				
	10	RR-2	Same	Same				
11. Adequate sample volume received?			↓	↓				
12. Proper preservatives used?								
13. Trip Blank / Temp Blank Received?								
(circle which, if yes)								
14. Read Temp:								
Correction Factor:								
Corrected Temp:								
Is corrected temp. 0-6°C?								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

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