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210889

**Report To: Ken Reich**

**Invoice To: Ken Reich**

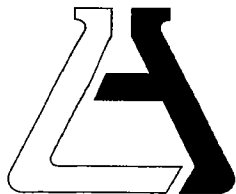
**Fax No.: 626-331-7065**

**TA Quote #:**

**Project ID: Lower SMR Watershed**

**Project #: 2258**

Page: 112  
Jed  
K. Philip - 411-0811 7:55



**ASSOCIATED LABORATORIES**  
806 North Batavia - Orange, California 92868 - 714/771-6900

**FAX 714/538-1209**

CLIENT Stetson Engineers Inc. (10442)  
ATTN: Ken Reich  
861 Village Oaks  
Suite 100  
Covina, CA 91724

LAB REQUEST 210889

REPORTED 04/24/2008

RECEIVED 04/17/2008

PROJECT #2258, Lower SMR Watershed

SUBMITTER Client

### COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

**Order No.**

890735  
890736

**Client Sample Identification**

#11044350 Sandia Creek  
Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

  
Edward S. Behar, Ph.D.  
Vice President

*NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.*

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**TESTING & CONSULTING**  
Chemical  
Microbiological  
Environmental

Order #: 890735

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: #11044350 Sandia Creek

Date Sampled: 04/17/2008

Time Sampled: 10:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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1664 Oil and Grease

Total Oil and Grease	ND	1	5	mg/L	04/21/08	LN
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200.7 ICP Total Metals - Water Only

Aluminum	0.122	1	0.03	mg/L	04/22/08	KN
Beryllium	ND	1	0.001	mg/L	04/22/08	KN
Boron	0.127	1	0.050	mg/L	04/22/08	KN
Calcium	122	1	0.1	mg/L	04/22/08	KN
Iron	0.331	1	0.02	mg/L	04/22/08	KN
Manganese	0.011	1	0.01	mg/L	04/22/08	KN
Sodium	110	1	0.5	mg/L	04/22/08	KN
Zinc	0.010	1	0.01	mg/L	04/22/08	KN

200.8 Total Metals by ICP/MS

Antimony	ND	1	0.002	mg/L	04/22/08	NVK
Arsenic	ND	1	0.002	mg/L	04/22/08	NVK
Cadmium	ND	1	0.001	mg/L	04/22/08	NVK
Chromium	ND	1	0.005	mg/L	04/22/08	NVK
Copper	ND	1	0.005	mg/L	04/22/08	NVK
Lead	ND	1	0.005	mg/L	04/22/08	NVK
Nickel	ND	1	0.005	mg/L	04/22/08	NVK
Selenium	0.003	1	0.002	mg/L	04/22/08	NVK
Silver	ND	1	0.005	mg/L	04/22/08	NVK
Thallium	ND	1	0.001	mg/L	04/22/08	NVK

2130B Turbidity

Turbidity	0.84	1	0.1	NTU	04/18/08	AE
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2320B Bicarbonate Alkalinity

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 890735

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: #11044350 Sandia Creek

Date Sampled: 04/17/2008

Time Sampled: 10:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
<b>2320B Bicarbonate Alkalinity</b>					
Bicarbonate Alkalinity as CaCO <sub>3</sub>	394	1	5.0	mg/L	04/23/08 HK
<b>245.1 Mercury in Water by Manual Cold Vapor</b>					
Mercury	ND	1	0.0004	mg/L	04/21/08 MDJ
<b>2510B Specific Conductance</b>					
Specific Conductance	1630	1	1.0	umhos/cm	04/18/08 LN
<b>2540 C Total Dissolved Solids</b>					
Total Dissolved Solids	1080	1	10.0	mg/L	04/18/08 LN
<b>300.0 Nitrate as NO<sub>3</sub> by Ion Chromatography</b>					
Nitrate (as NO <sub>3</sub> )	23.8	1	0.44	mg/L	04/18/08 WW
Chloride	227	5	5.0	mg/L	04/21/08 WW
Sulfate	333	5	5.0	mg/L	04/21/08 WW
Nitrite (as NO <sub>2</sub> )	ND	1	0.33	mg/L	04/18/08 WW
<b>335.4 Cyanide, Automated</b>					
Cyanide	ND	1	0.01	mg/L	04/18/08 TP
<b>350.1 Ammonia, Automated Phenate</b>					
Ammonia -N	ND	1	0.1	mg/L	04/19/08 TP
<b>351.2 Total Kjeldahl Nitrogen, Semi-Automated</b>					
Total Kjeldahl Nitrogen (TKN)	0.44	1	0.4	mg/L	04/19/08 TP
<b>4500-F C Fluoride by ISE</b>					

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



**Order #:** 890735**Client:** Stetson Engineers Inc.**Matrix:** WATER**Client Sample ID:** #11044350 Sandia Creek**Date Sampled:** 04/17/2008**Time Sampled:** 10:20**Sampled By:**

Analyte	Result	DF	DLR	Units	Date/Analyst
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**4500-F C Fluoride by ISE**

Fluoride	0.26	1	0.05	mg/L	04/21/08	CM
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**4500-H+B pH**

pH	7.87	1		NA	04/18/08	HT
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**4500-P-B.5-E Total Phosphorus**

Total Phosphorus as P	0.024	1	0.02	mg/L	04/21/08	DK
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**4500-P-E Ortho-Phosphate**

Ortho Phosphate as PO4	0.07	1	0.06	mg/L	04/19/08	DK
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**5210B Biochemical Oxygen Demand (BOD)**

BOD	ND	1	3.0	mg/L	04/18/08	LT
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**5310B Total Organic Carbon (TOC)**

Total Organic Carbon	2.9	1	0.5	mg/L	04/21/08	QP
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**5540C MBAS**

MBAS	ND	1	0.04	mg/L	04/19/08	HD
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**9221 Coliform by Multiple Tube Fermentation**

Coliform by MTF, Total	500	1		MPN/100n	04/17/08	RB
Fecal Coliform by MTF	90	1		MPN/100n	04/17/08	RB

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 890736

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**1664 Oil and Grease**

Total Oil and Grease	ND	1	5	mg/L	04/21/08	LN
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**200.7 ICP Total Metals - Water Only**

Aluminum	ND	1	0.030	mg/L	04/22/08	KN
Beryllium	ND	1	0.001	mg/L	04/22/08	KN
Boron	ND	1	0.050	mg/L	04/22/08	KN
Calcium	ND	1	0.10	mg/L	04/22/08	KN
Iron	ND	1	0.02	mg/L	04/22/08	KN
Manganese	ND	1	0.010	mg/L	04/22/08	KN
Sodium	ND	1	0.50	mg/L	04/22/08	KN
Zinc	ND	1	0.010	mg/L	04/22/08	KN

**200.8 Total Metals by ICP/MS**

Antimony	ND	1	0.002	mg/L	04/22/08	NVK
Arsenic	ND	1	0.002	mg/L	04/22/08	NVK
Cadmium	ND	1	0.001	mg/L	04/22/08	NVK
Chromium	ND	1	0.005	mg/L	04/22/08	NVK
Copper	ND	1	0.005	mg/L	04/22/08	NVK
Lead	ND	1	0.005	mg/L	04/22/08	NVK
Nickel	ND	1	0.005	mg/L	04/22/08	NVK
Selenium	ND	1	0.002	mg/L	04/22/08	NVK
Silver	ND	1	0.005	mg/L	04/22/08	NVK
Thallium	ND	1	0.001	mg/L	04/22/08	NVK

**2130B Turbidity**

Turbidity	ND	1	0.1	NTU	04/18/08	AE
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**2320B Bicarbonate Alkalinity**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



Order #: 890736

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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**2320B Bicarbonate Alkalinity**

Bicarbonate Alkalinity as CaCO <sub>3</sub>	ND	1	5.0	mg/L	04/23/08 HK
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**245.1 Mercury in Water by Manual Cold Vapor**

Mercury	ND	1	0.0004	mg/L	04/21/08 MDJ
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**2510B Specific Conductance**

Specific Conductance	0.52	1	1.0	umhos/cm	04/18/08 LN
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**2540 C Total Dissolved Solids**

Total Dissolved Solids	ND	1	10.0	mg/L	04/18/08 LN
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**300.0 Nitrate as NO<sub>3</sub> by Ion Chromatography**

Nitrate (as NO <sub>3</sub> )	ND	1	0.44	mg/L	04/18/08 WW
Chloride	ND	1	1.0	mg/L	04/18/08 WW
Sulfate	ND	1	1.0	mg/L	04/18/08 WW
Nitrite (as NO <sub>2</sub> )	ND	1	0.33	mg/L	04/18/08 WW

**335.4 Cyanide, Automated**

Cyanide	ND	1	0.01	mg/L	04/18/08 TP
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**350.1 Ammonia, Automated Phenate**

Ammonia -N	ND	1	0.1	mg/L	04/19/08 TP
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**351.2 Total Kjeldahl Nitrogen, Semi-Automated**

Total Kjeldahl Nitrogen (TKN)	ND	1	0.4	mg/L	04/19/08 TP
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**4500-F C Fluoride by ISE**

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

**ASSOCIATED LABORATORIES**

Analytical Results Report



**Order #:** 890736**Client:** Stetson Engineers Inc.**Matrix:** WATER**Client Sample ID:** Laboratory Method Blank**Date Sampled:****Time Sampled:****Sampled By:**

Analyte	Result	DF	DLR	Units	Date/Analyst
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**4500-F C Fluoride by ISE**

Fluoride	ND	1	0.05	mg/L	04/21/08 CM
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**4500-H+B pH**

pH	5.90	1		NA	04/18/08 LN
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**4500-P-B.5-E Total Phosphorus**

Total Phosphorus as P	ND	1	0.02	mg/L	04/21/08 DK
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**4500-P-E Ortho-Phosphate**

Ortho Phosphate as PO4	ND	1	0.06	mg/L	04/19/08 DK
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**5210B Biochemical Oxygen Demand (BOD)**

BOD	ND	1	3.0	mg/L	04/18/08 LT
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**5310B Total Organic Carbon (TOC)**

Total Organic Carbon	ND	1	0.5	mg/L	04/21/08 QP
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**5540C MBAS**

MBAS	ND	1	0.04	mg/L	04/19/08 HD
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

***ASSOCIATED LABORATORIES***

Analytical Results Report





**ASSOCIATED LABORATORIES**  
**QA REPORT FORM - METHOD 200.7 / 6010**

QC Sample: 210986-891085 H# 042108 W1

Matrix: WATER

Prep. Date: April 21, 2008

Analysis Date: April 22, 2008

Lab ID#'s in Batch: 210986, 210975, 210802, 210891, 210892, 210893, 210889, 210888, 210890  
210894, 210874, 210872, 210875, 210912, 210876, 210671

Reporting Units = mg/L

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	% RPD
As	0.056	1	1.08	1.02	102	96	6
Se	ND	1	0.88	0.82	88	82	7
Tl	ND	1	0.94	0.95	94	95	1
Pb	0.008	1	0.99	0.95	98	94	4
Sb	0.010	1	0.99	0.97	98	96	2
Ba	0.225	1	1.27	1.21	105	99	5
Be	ND	1	1.07	1.05	107	105	2
Cd	ND	1	1.06	0.99	106	99	7
Cr	ND	1	1.05	0.94	105	94	11
Co	ND	1	1.00	0.94	100	94	6
Cu	ND	1	1.03	0.98	103	98	5
Mo	0.018	1	1.03	1.00	101	98	3
Ni	ND	1	1.00	0.94	100	94	6
Ag	ND	1	0.44	0.43	88	86	2
V	ND	1	1.08	1.01	108	101	7
Zn	0.038	1	1.00	0.97	96	93	3
Al	0.120	1	1.13	1.05	101	93	7
Fe	1.040	1	2.20	2.10	116	106	5
Mn	0.810	1	1.80	1.80	99	99	0
B	0.250	1	1.30	1.20	105	95	8
Ca	128.000	10	137.00	133.00	NC	NC	3
Mg	41.600	10	53.00	52.00	NC	NC	2
K	1.800	10	13.00	13.00	112	112	0
Na	153.000	10	164.00	160.00	NC	NC	2

\* = Outside QC limits, due to matrix Interference  
If Sample Result > 4 times Spike Added, then "NC"

% REC LIMITS = 75 -125 RPD LIMITS = 20
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**ASSOCIATED LABORATORIES**  
**LCS REPORT FORM - METHOD 200.7 / 6010**

**LCS RECOVERY / METHOD BLANK**

Test	LCS Result	True Value	LCS %Rec	QC Limit %REC	MB Limit	MB Result
Ag	1.05	1	105	80-120	0.005	ND
Al	2.27	2	114	80-120	0.030	ND
As	2.06	2	103	80-120	0.005	ND
B	2.28	2	114	80-120	0.050	ND
Ba	2.32	2	116	80-120	0.010	ND
Be	2.21	2	111	80-120	0.005	ND
Cd	2.22	2	111	80-120	0.005	ND
Co	2.27	2	114	80-120	0.005	ND
Cr	2.29	2	115	80-120	0.010	ND
Cu	2.30	2	115	80-120	0.010	ND
Fe	2.27	2	114	80-120	0.020	ND
Mn	2.28	2	114	80-120	0.010	ND
Mo	2.10	2	105	80-120	0.010	ND
Ni	2.24	2	112	80-120	0.015	ND
Pb	2.29	2	115	80-120	0.005	ND
Sb	2.23	2	112	80-120	0.006	ND
Se	2.04	2	102	80-120	0.006	ND
Tl	2.10	2	105	80-120	0.005	ND
V	2.34	2	117	80-120	0.005	ND
Zn	2.19	2	110	80-120	0.010	ND
Ca	2.37	2	119	80-120	0.100	ND
Mg	97.70	100	98	80-120	0.100	ND
K	23.50	20	118	80-120	0.500	ND
Na	2.29	2	115	80-120	0.100	ND

**ASSOCIATED LABORATORIES**  
**QA REPORT FORM - METHOD 200.8**

QC Sample: LR 210891-890743

H# 042108W10

Matrix: WATER

Prep. Date: April 21, 2008

Analysis Date: April 22, 2008

Lab ID#'s in Batch: LR 210891, 210898, 210892, 210893, 210889, 210888, 210890, 210782, 210895, 210894

Reporting Units = mg/L

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	% RPD
As	ND	0.05	0.050	0.050	100	100	0
Se	ND	0.05	0.054	0.054	108	108	0
Tl	ND	0.05	0.048	0.049	96	98	2
Pb	ND	0.05	0.045	0.046	90	92	2
Sb*	ND	0.05	0.063	0.068	126	136	8
Cd	ND	0.05	0.050	0.051	100	102	2
Cr	ND	0.05	0.054	0.054	108	108	0
Cu	0.002	0.05	0.047	0.046	90	88	2
Ni	0.004	0.05	0.050	0.049	92	90	2
Ag	ND	0.025	0.025	0.024	100	96	4

\* = Outside QC limits, due to matrix Interference  
 If Sample Result > 4 times Spike Added, then "NC"

% REC LIMITS = 70 - 130 RPD LIMITS = 20
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**ASSOCIATED LABORATORIES**  
**LCS REPORT FORM - METHOD 200.8**

**LCS RECOVERY / METHOD BLANK**

Test	LCS Result	True Value	LCS %Rec	QC Limit %REC	MB Limit	MB Result
Ag	0.026	0.025	104	80-120	0.005	ND
As	0.050	0.05	100	80-120	0.002	ND
Cd	0.049	0.05	98	80-120	0.001	ND
Cr	0.054	0.05	108	80-120	0.002	ND
Cu	0.054	0.05	108	80-120	0.005	ND
Ni	0.053	0.05	106	80-120	0.005	ND
Pb	0.051	0.05	102	80-120	0.005	ND
Sb	0.042	0.05	84	80-120	0.002	ND
Se	0.046	0.05	92	80-120	0.005	ND
Tl	0.052	0.05	104	80-120	0.001	ND

ASSOCIATED LABORATORIES  
QA REPORT FORM

QC Sample: LR210896

Matrix: WATER

Prep. Date: April 18, 2008

Analysis Date: April 18, 2008

Lab ID#'s in Batch: LR210896, 210812, 210888, 210889, 210890, 210891, 210892,  
210893, 210894

REPORTING UNITS = mg/L

**SAMPLE DUPLICATE RESULT**

Test	Method	Sample Result	Sample Duplicate	%RPD
TDS	160-1 / 2540C	1,016	1,014	0.2

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 5%
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**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLANK	LCS				
Value	Result	True Value	% Rec	L. Limit	H. Limit
ND	289	293	98	90%	110%

Value = Preparation Blank Value; ND = Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

**ASSOCIATED LABORATORIES**  
**QA REPORT FORM**

QC Sample : LR210756

Matrix: WATER

Prep.Date: April 18, 2008

Analysis Date: April 21, 2008

Lab ID#'s in Batch: LR210756, 210759, 210896, 210812, 210827, 210834, 210835, 210802, 210873,  
210886, 210889, 210890, 210892, 210893, 210912, 210975

REPORTING UNITS = mg/L

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

Test	Method	PREP BLK	LCS			L.Limit	H.Limit
		Value	Result	True	%Rec		
O&G	1664	ND	38.4	40	96	78%	114%

*VALUE = Preparation Blank Value; ND = Not-Detected*

*LCS = Lab Control Sample Result*

*TRUE = True Value of LCS*

*L.LIMIT / H.LIMIT = LCS Control Limits*

ASSOCIATED LABORATORIES  
QA REPORT FORM

QC Sample: LR 210889-890735

Matrix: WATER

Prep. Date: April 21, 2008

Analysis Date: April 21, 2008

Lab ID#'s in Batch: LR 210790, 210889, 210890, 210891, 210892, 210893, 210898, 210802, 210874, 210986, 210827, 210896

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	245.1 / 7470A	ND	0.002	0.0019	0.0019	95	95	0

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*%REC LIMITS = 75 - 125*

*RPD LIMITS = 20*

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.0048	0.005	96	80%	120%

*Value = Preparation Blank Value; ND = Not-Detected*

*LCS Result = Lab Control Sample Result*

*True = True Value of LCS*

*L.Limit / H.Limit = LCS Control Limits*

**ASSOCIATED LABORATORIES**  
**QA REPORT FORM**

QC Sample : 210802-890379

Matrix: WATER

Prep. Date: 04/18/08

Analysis Date: 04/19/08

Lab ID#'s in Batch: 210802, 210790, 210787, 210757, 210775, 210759, 210888, 210889, 210807, 210808, 210890

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units : mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
CL	300.0	67.2	200	273	272	103	102	0
SO4	300.0	69	200	270	269	101	100	0
NO3	300.0	ND	100	100	99	100	99	1
NO2	300.0	ND	100	100.1	100.9	100	101	1
Bromide	300.0	ND	100	106	106	106	106	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%Rec Limits = 80 - 120

RPD Limits = 20

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

Test	Method	PREP BLK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
CL	300.0	ND	42.1	40	105	90%	110%
SO4	300.0	ND	40.7	40	102	90%	110%
NO3	300.0	ND	20.0	20	100	90%	110%
NO2	300.0	ND	10.0	10	100	90%	110%
Bromide	300.0	ND	21	20	105	90%	110%

VALUE = Preparation Blank Value; ND = Not-Detected

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits



ASSOCIATED LABORATORIES  
QA REPORT FORM

Method : 310.1

QC Sample: 210762-890210

Matrix: WATER

Analysis Date: April 23, 2008

Lab ID#'s in Batch: 210762, 210783, 210790, 210802, 210832, 210840, 210888, 210889, 210890

REPORTING UNITS = mg/L

**SAMPLE DUPLICATE RESULT**

Test	Sample Result	Sample Duplicate	%RPD
Bicarbonate	177	177	0
Carbonate	ND	ND	0
Hydroxide	ND	ND	0
Alkalinity	145	145	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%
------------------

**ASSOCIATED LABORATORIES  
QA REPORT FORM**

QC Sample: 210799-890370

Matrix: WATER

Prep. Date: April 18, 2008

Analysis Date: April 20, 2008

ID#'s in Batch: 210799, 210889, 210890, 210891, 210892, 210893, 210875, 210827, 210898,  
210886, 210876, 210702

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
CN	335.4 / 4500-CN	0.044	0.50	0.553	0.552	102	102	0

*ND = Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

%REC LIMITS = 80-120
----------------------

RPD LIMITS = 20
-----------------

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.102	0.10	102	90%	110%

*Value = Preparation Blank Value*

*LCS Result = Lab Control Sample Result*

*True = True Value of LCS*

*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES QA REPORT FORM

QC Sample: LR 210898-890771

Matrix: WATER

Prep. Date: 04/21/2008

Analysis Date: 04/21/2008

Lab ID#'s in Batch: LR 210898, 210888, 210889, 210890, 210891, 210892, 210893,  
LR 210950, 210840

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
FLUORIDE	340.2 / 4500-F	0.26	0.25	0.49	0.48	92	88	2

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125
------------------------

RPD LIMITS = 20
-----------------

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.93	1.00	93	80%	120%

Value = Preparation Blank Value

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

**ASSOCIATED LABORATORIES  
QA REPORT FORM**

QC Sample: 210891-890743

Matrix: WATER

Prep. Date: 04/19/08

Analysis Date: 04/20/08

Lab ID#'s in Batch: 210888, 210889, 210890, 210891, 210892, 210893, 210894, 210898, 210802, 210950

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
NH3-N	350.1	ND	5.00	5.02	5.02	100	100	0

*ND = Not Detected*

*RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate*

*%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate*

*%REC LIMITS = 80 - 120*

*RPD LIMITS = 20*

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	5.00	5.00	100	80%	120%

*Value = Preparation Blank Value*

*LCS Result = Lab Control Sample Result*

*True = True Value of LCS*

*L.Limit / H.Limit = LCS Control Limits*

# ASSOCIATED LABORATORIES QA REPORT FORM

QC Sample: 210790-890341

Matrix: WATER

Prep. Date: 04/18/08

Analysis Date: 04/20/08

Lab ID#'s in Batch: 210790, 210749, 210582, 210757, 210759, 210832, 210885, 210894,  
210888, 210889, 210890

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD
TKN	351.2	ND	12.5	12.2	12.2	98	98	0

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80 - 120
------------------------

RPD LIMITS = 20
-----------------

## PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP BLK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
TKN	351.2	ND	2.27	2.50	91	80%	120%

Test	Method	DIG CHK				
		Result	True	%Rec	L.Limit	H.Limit
TKN	351.2	3.40	3.22	106	85%	115%

Value = Preparation Blank Value

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES  
QA REPORT FORM - INORGANICS

QC Sample: 210884-709

Matrix: WATER

Prep. Date: 04/19/08

Analysis Date: 04/19/08

Lab ID#'s in Batch: 210884, 210885, 210888, 210889, 210890, 210891, 210892, 210893, 210894, 210901, 210903

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Ortho-Phosphate (as PO <sub>4</sub> )	365.2	0.32	1.53	1.85	1.85	101	100	0
Ortho-Phosphate (as P)	365.2	0.10	0.50	0.61	0.60	101	100	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125

RPD LIMITS = 20

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

Test	Method	PREP BLK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
Ortho-Phosphate (as PO <sub>4</sub> )	365.2	ND	0.99	1.00	99	80%	120%
Ortho-Phosphate (as P)	365.2	ND	0.32	0.33	99	80%	120%

Value = Preparation Blank Value; ND = Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

**ASSOCIATED LABORATORIES**  
**QA REPORT FORM - INORGANICS**

QC Sample: 210802-378

Matrix: WATER

Prep. Date: 04/21/08

Analysis Date: 04/21/08

Lab ID#'s in Batch: 210802, 210888, 210889, 210890, 210891, 210892, 210893, 210987,  
 210894, 210884, 210355

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Total Phosphate (as P)	365.2	ND	0.40	0.40	0.40	101	101	0
Total Phosphate (as PO4)	365.2	0.00	1.23	1.24	1.24	101	101	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate  
 %REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75-125

RPD LIMITS = 20

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

Test	Method	PREP BLK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
Total Phosphate (as P)	365.2	ND	0.32	0.33	99	80%	120%
Total Phosphate (as PO4)	365.2	ND	0.99	1.00	99	80%	120%

Value = Preparation Blank Value; ND = Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

**ASSOCIATED LABORATORIES  
QA REPORT FORM**

QC Sample: LR 210888-890733

Matrix: WATER

Prep. Date: 04/19/2008

Analysis Date: 04/19/2008

Lab ID#'s in Batch: LR 210888, 210840, 210889, 210890, 210891, 210892, 210893,  
LR 210898, 210916, 210950

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MBAS	425.1	ND	1.00	0.99	0.97	99	97	2

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 75 - 125

RPD LIMITS = 20

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	0.98	1.00	98	80%	120%

Value = Preparation Blank Value

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits



ASSOCIATED LABORATORIES  
QA REPORT FORM

QC Sample: LR210802

Matrix: WATER

Prep. Date: April 21, 2008

Analysis Date: April 21, 2008

Lab ID#'s in Batch: LR210930, 210790, 210892, 210889, 210950

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TOC	415.1 / 9060	3.0	10	12	13	94	97	2

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 80 - 120
------------------------

RPD LIMITS = 20
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**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	10	10	95	80%	120%

Value = Preparation Blank Value; ND = Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: Std. Sol

Matrix: WATER

Prep. Date: April 18, 2008

Analysis Date: April 23, 2008

Lab ID#'s in Batch: LR210889

Reporting Units = mg/L

**PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS**

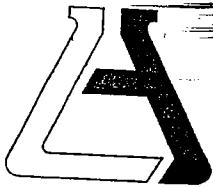
Test	Method	PREP. BLANK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
BOD	405.1	ND	179.00	200	90	80%	120%

*Value = Preparation Blank Value; ND = Not-Detected*

*LCS Result = Lab Control Sample Result*

*True = True Value of LCS*

*L.Limit / H.Limit = LCS Control Limits*



# ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714-771-6900

FAX 714-538-1209

## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: Stetson

Date Received: 4-17-08

Project: \_\_\_\_\_

Sample(s) received in cooler: Yes No (Skip Section 2)

### Section 2

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler or box temperature: 2.1°C

(Acceptance range is 2 to 6 Deg. C.)

### Section 3

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Yes - were they intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was there head space in VOA vials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the correct preservatives used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the samples scanned for presence of radioactivity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

\*: If the answer is no, please inform Fish Bioassay Dept. immediately.

### Section 4

Explanations/Comments

### Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [Signature] Date: 4-17-08