

CHAIN OF CUSTODY FOR LOWER SANTA MARGARITA RIVER WATERSHED MONITORING PROGRAM

PA 216840

Client Name/Account #:

Stetson Engineers Inc.

Address:

861 Village Oaks Dr., Suite 100

City/State/Zip:

Covina, CA 91724

Project Manager:

Ken Reich

Telephone Number:

626-967-6202

Fax No.: 626-331-7065

Sampler Name: (Print)

Joel Barnard / Ken Reich

Sampler Signature:

Joel Barnard

Report To: Ken Reich

Invoice To: Ken Reich

Quote #:

Project ID: Lower SMR Watershed

Project #: 2258

Sample ID / Description	Sampling Information					Preservative						Analyses				Reporting/TAT						
	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other	Conductivity, Nitrate, Nitrite, Ortho Phosphate, pH	BOD5	Chlorophyll a	Total Phosphorous, TKN, Ammonia	RUSH TAT	Standard TAT	Fax Results	Send QC with report	
DAY 4 JULY INDEX SAMPLING	#11044350 Sandia Creek	7/24/08	9:55	1	X		X					X		X						X		X
	#11044350 Sandia Creek			1	X		X					X			X					X		X
	#11044350 Sandia Creek			1	X		X					X								X		X
	#11044350 Sandia Creek			1	X		X					X								X		X
	#11044350 Sandia Creek			1	X		X					X								X		X
Special Instructions: 1) Electronic Data Deliverable Required 2) "J" flag results between the MDL and the reporting limit																						
Relinquished by: <i>Tuan Nguyen</i>		Date: 07/24/08	Time: 15:35	Received by: <i>Joel Barnard</i>												Time: 15:48						
Relinquished by:		Date:	Time:	Received by Associated Labs:												Time:						
Laboratory Comments: Temperature Upon Receipt: Y VOCs Free of Headspace? Y																						



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 216840

REPORTED 08/04/2008

RECEIVED 07/24/2008

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.

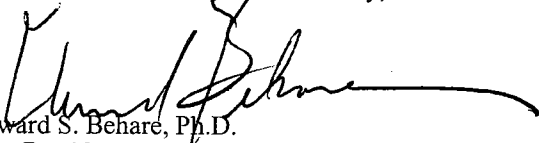
918073
918074

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. Behare, 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 #: 918073

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: #11044350 Sandia Creek

Date Sampled: 07/24/2008

Time Sampled: 09:55

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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10200H Chlorophyll

Chlorophyll	1.0	1	1.0	mg/M3	07/25/08 HK
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2510B Specific Conductance

Specific Conductance	1640	1	1.0	umhos/cm	07/28/08 AE
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300.0 Nitrate as NO3 by Ion Chromatography

Nitrate (as NO3)	15.5	1	0.44	mg/L	07/25/08 WW
Nitrite (as NO2)	ND	1	0.33	mg/L	07/25/08 WW

350.1 Ammonia, Automated Phenate

Ammonia -N	0.06 J	1	0.1	mg/L	07/26/08 TP
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351.2 Total Kjeldahl Nitrogen, Semi-Automated

Total Kjeldahl Nitrogen (TKN)	0.28 J	1	0.4	mg/L	07/26/08 TP
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4500-H+B pH

pH	8.04	1		NA	07/24/08 AR
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4500-P-B.5-E Total Phosphorus

Total Phosphorus as P	0.08	1	0.02	mg/L	07/28/08 DK
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4500-P-E Ortho-Phosphate

Ortho Phosphate as PO4	0.10	1	0.06	mg/L	07/25/08 HK
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5210B Biochemical Oxygen Demand (BOD)

BOD	ND	1	3.0	mg/L	07/25/08 LT
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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



Order #: 918074

Client: Stetson Engineers Inc.

Matrix: WATER

Client Sample ID: Laboratory Method Blank

Date Sampled: 07/24/2008

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
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2510B Specific Conductance

Specific Conductance	0.38	1	1.0	umhos/cm	07/28/08 AE
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300.0 Nitrate as NO3 by Ion Chromatography

Nitrate (as NO3)	ND	1	0.44	mg/L	07/25/08 WW
Nitrite (as NO2)	ND	1	0.33	mg/L	07/25/08 WW

350.1 Ammonia, Automated Phenate

Ammonia -N	ND	1	0.1	mg/L	07/26/08 TP
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351.2 Total Kjeldahl Nitrogen, Semi-Automated

Total Kjeldahl Nitrogen (TKN)	ND	1	0.4	mg/L	07/26/08 TP
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4500-H+B pH

pH	6.35	1		NA	07/24/08 LN
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4500-P-B.5-E Total Phosphorus

Total Phosphorus as P	ND	1	0.02	mg/L	07/28/08 DK
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4500-P-E Ortho-Phosphate

Ortho Phosphate as PO4	ND	1	0.06	mg/L	07/25/08 HK
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5210B Biochemical Oxygen Demand (BOD)

BOD	ND	1	3.0	mg/L	07/25/08 LT
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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
LCS REPORT FORM**

QC Sample: Std. Sol
Matrix: WATER
Prep. Date: July 25, 2008
Analysis Date: July 30, 2008
Lab ID#'s in Batch: 216851, 216840

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	188	200	94	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 : 216770-917807

Matrix: WATER

Prep. Date: 07/25/08

Analysis Date: 07/26/08

Lab ID#'s in Batch: 216665, 216837, 216839, 216840, 216843, 216846, 216849, 216851, 216860, 216857, 216768, 216769, 216770,

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	208.5	200	426	427	109	109	0
SO4	300.0	159	200	367	368	104	105	0
NO3	300.0	37.97	100	157	157	119	119	0
NO2	300.0	ND	100	92.3	90.6	92	91	2

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	41.0	40	103	90%	110%
SO4	300.0	ND	40.8	40	102	90%	110%
NO3	300.0	ND	20.3	20	102	90%	110%
NO2	300.0	ND	10.4	10	104	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**

QC Sample: 216881-918211

Matrix: WATER

Prep. Date: 07/26/08

Analysis Date: 07/27/08

Lab ID#'s in Batch: 216934, 216945, 216881, 216837, 216839, 216840, 216843, 216846, 216849, 216851, 216882

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	0.27	5.00	5.04	5.20	95	99	3

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	5.16	5.00	103	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: 216939-918371

Matrix: WATER

Prep. Date: 07/26/08

Analysis Date: 07/27/08

Lab ID#'s in Batch: 216939, 216934, 216945, 216837, 216839, 216840, 216843, 216846,
216849, 216851

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	12.4	11.5	99	92	8

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	2.32	2.50	93	80%	120%

Test	Method	DIG CHK				
		Result	True	%Rec	L.Limit	H.Limit
TKN	351.2	2.39	2.64	91	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: LR 216837

Matrix: WATER

Prep. Date: July 25, 2008

Analysis Date: July 25, 2008

Lab ID#'s in Batch: 216837, 216839, 216840, 216843, 216846, 216849, 216851

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 PO4)	365.2	ND	1.53	1.50	1.52	98	99	1
Ortho-Phosphate (as P)	365.2	0.00	0.50	0.49	0.50	98	99	1

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 PO4)	365.2	ND	1.01	1.00	101	80%	120%
Ortho-Phosphate (as P)	365.2	ND	0.33	0.33	101	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: LR 216837

Matrix: WATER

Prep. Date: 07/28/08

Analysis Date: 07/28/08

Lab ID#'s in Batch: LR 216837, 216839, 216840, 216843, 216846, 216849, 216851, 216923, 216926, 216928, 216929, 216932, 216933, 216934, 216944, 216946, 216587, 216945

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)	4500-P-E	ND	0.40	0.41	0.41	101	103	2
Total Phosphate (as PO4)	4500-P-E	0.00	1.23	1.24	1.26	101	103	2

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)	4500-P-E	ND	0.33	0.33	102	80%	120%
Total Phosphate (as PO4)	4500-P-E	ND	1.02	1.00	102	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

Project: _____

Date Received: 7-24-08Sample(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: 2.3 °C

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

Section 3

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

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

Section 4

Explanations/Comments

Section 5Was Project Manager notified of discrepancies: Y / N (N/A)Completed By: [Signature]Date: 7-24-08