

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 206340

REPORTED 02/13/2008

RECEIVED 02/05/2008

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.

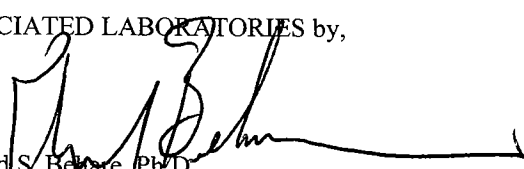
870919
870920

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. Benare, 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 #: 870919

Client Sample ID: #11044350 Sandia Creek

Matrix: WATER

Date Sampled: 02/05/2008

Time Sampled: 12:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
10200H	Chlorophyll	ND	1	1.0		mg/M3	02/07/08 HK
2510B	Specific Conductance	1540	1	1.0	0.86	umhos/c	02/07/08 CM
300.0	Nitrate (as NO3)	34.9	1	0.44	0.07	mg/L	02/06/08 WW
300.0	Nitrite (as NO2)	ND	1	0.33	0.06	mg/L	02/06/08 WW
350.1	Ammonia -N	0.032 J	1	0.1	0.01	mg/L	02/07/08 TP
351.2	Total Kjeldahl Nitrogen (TKN)	0.37 J	1	0.4	0.06	mg/L	02/07/08 TP
4500-H	pH	7.79	1			NA	02/06/08 HT
4500-O G	Dissolved Oxygen	10.74	1			mg/L	02/05/08 HT
4500-P-B.5-E	Total Phosphorus as P	0.10	1	0.02	0.01	mg/L	02/13/08 DK
4500-P-E	Ortho Phosphate as PO4	0.04 J	1	0.06	0.015	mg/L	02/05/08 DK
5210B	BOD	ND	1	3.0	1.5	mg/L	02/06/08 LT

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 206340 results, page 1 of 2



Order #: 870920

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
2510B	Specific Conductance	0.51	1	1.0	0.86	umhos/c	02/07/08 CM
300.0	Nitrate (as NO3)	ND	1	0.44	0.07	mg/L	02/06/08 WW
300.0	Nitrite (as NO2)	ND	1	0.33	0.06	mg/L	02/06/08 WW
350.1	Ammonia -N	ND	1	0.1	0.01	mg/L	02/07/08 TP
351.2	Total Kjeldahl Nitrogen (TKN)	ND	1	0.4	0.06	mg/L	02/07/08 TP
4500-H	pH	5.70	1			NA	02/06/08 HT
4500-O G	Dissolved Oxygen	9.65	1			mg/L	02/05/08 HT
4500-P-B.5-E	Total Phosphorus as P	ND	1	0.02	0.01	mg/L	02/13/08 DK
4500-P-E	Ortho Phosphate as PO4	ND	1	0.06	0.015	mg/L	02/05/08 DK
5210B	BOD	ND	1	3.0	1.5	mg/L	02/06/08 LT

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

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Analytical Results Report

Lab Request 206340 results, page 2 of 2



ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample : 206366-871006

Matrix: WATER

Prep. Date: 02/06/08

Analysis Date: 02/06/08

Lab ID#'s in Batch: 206366, 206339, 206340, 206341, 206342,

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	43.1	200	236	236	96	96	0
SO4	300.0	56	200	242	239	93	92	1
NO3	300.0	37.5	100	133	136	96	99	2
NO2	300.0	ND	100	99.3	99.6	99	100	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	40.7	40	102	90%	110%
SO4	300.0	ND	38.8	40	97	90%	110%
NO3	300.0	ND	20.2	20	101	90%	110%
NO2	300.0	ND	10.2	10	102	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: 206379-871093

Matrix: WATER

Prep. Date: 02/07/08

Analysis Date: 02/08/08

Lab ID#'s in Batch: 206315, 206232, 206177, 206379, 206339, 206340, 206341, 206342, 206278,
206431, 206432, 206433, 206434

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	5.01	4.97	100	99	1

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	4.36	5.00	87	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: 206339-870903

Matrix: WATER

Prep. Date: 02/07/08

Analysis Date: 02/07/08

Lab ID#'s in Batch: 205607, 205481, 205935, 206174, 206417, 206339, 206340, 206341,
206342, 206278, 206431, 206432, 206433, 206434, 206471, 206426, 206427

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	0.60	12.5	11.9	12.1	90	92	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 = 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	2.61	2.50	104	80%	120%

Test	Method	DIG CHK				
		Result	True	%Rec	L.Limit	H.Limit
TKN	351.2	2.40	2.38	101	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: 206232

Matrix: WATER

Prep. Date: 02/05/08

Analysis Date: 02/05/08

Lab ID#'s in Batch: 206232, 20639, 206340, 206341, 206342, 206312

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	0.12	1.53	1.58	1.59	96	97	1
Ortho-Phosphate (as P)	365.2	0.04	0.50	0.52	0.52	96	97	1

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

<i>%REC LIMITS = 75 - 125</i>
<i>RPD LIMITS = 20</i>

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: 206339

Matrix: WATER

Prep. Date: 02/13/08

Analysis Date: 02/13/08

Lab ID#'s in Batch: 206339, 206340, 206341, 206342

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	0.04	0.40	0.45	0.45	103	101	2
Total Phosphate (as PO4)	365.2	0.13	1.23	1.39	1.37	103	101	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)	365.2	ND	0.33	0.33	101	80%	120%
Total Phosphate (as PO4)	365.2	ND	1.01	1.00	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
LCS REPORT FORM**

QC Sample: Std. Sol

Matrix: WATER

Prep. Date: February 6, 2008

Analysis Date: February 11, 2008

Lab ID#'s in Batch: LR206340

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	184.60	200	92	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

206340

CHAIN OF CUSTODY FOR LOWER SANTA MARGARITA RIVER WATERSHED MONITORING PROGRAM

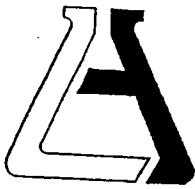
Client Name/Account #: Stetson Engineers Inc.
 Address: 861 Village Oaks Dr., Suite 100
 City/State/Zip: Covina, CA 91724
 Project Manager: Ken Reich
 Telephone Number: 626-967-6202 Fax No.: 626-331-7065
 Report To: Ken Reich
 Invoice To: Ken Reich
 Quote #:
 Sampler Name: (Print) Joel Bernard / Ken Reich
 Sampler Signature: Joel Bernard / Ken Reich
 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	BOD ₅	Chlorophyll a	Dissolved Oxygen	Total Phosphorous, TKN, Ammonia	RUSH TAT	Standard TAT	Fax Results	Send QC with report	
DAY 4 JANUARY INDEX SAMPLING	2/5/08	12:10	1		X		X					X		X							X		X
			1		X		X					X				X					X		X
			1		X		X					X					X				X		X
			1	X	*		X					X						X			X		X
			1		X		X					X									X		X

Special Instructions: 1) Electronic Data Deliverable Required
 2) "J" flag results between the MDL and the reporting limit

Laboratory Comments:
 Temperature Upon Receipt: _____
 VOCs Free of Headspace? Y N

Relinquished by: <u>[Signature]</u>	Date: <u>2/5/08</u>	Time: <u>16:20</u>	Received by: <u>[Signature]</u>	Time: <u>11:20</u>
Relinquished by:	Date:	Time:	Received by: Associated Labs:	Time:



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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Stetson

Project: _____

Date Received: 2-5-08

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: sample was cool 3.1cc

(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?	✓		
No 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 5

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

Completed By: [Signature] Date: 2-5-08