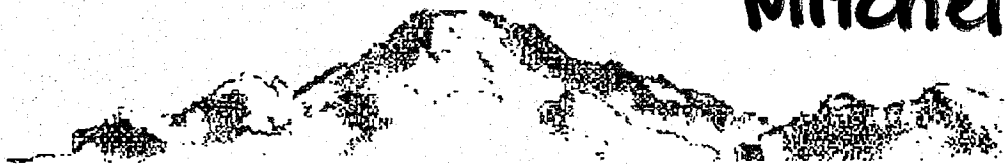


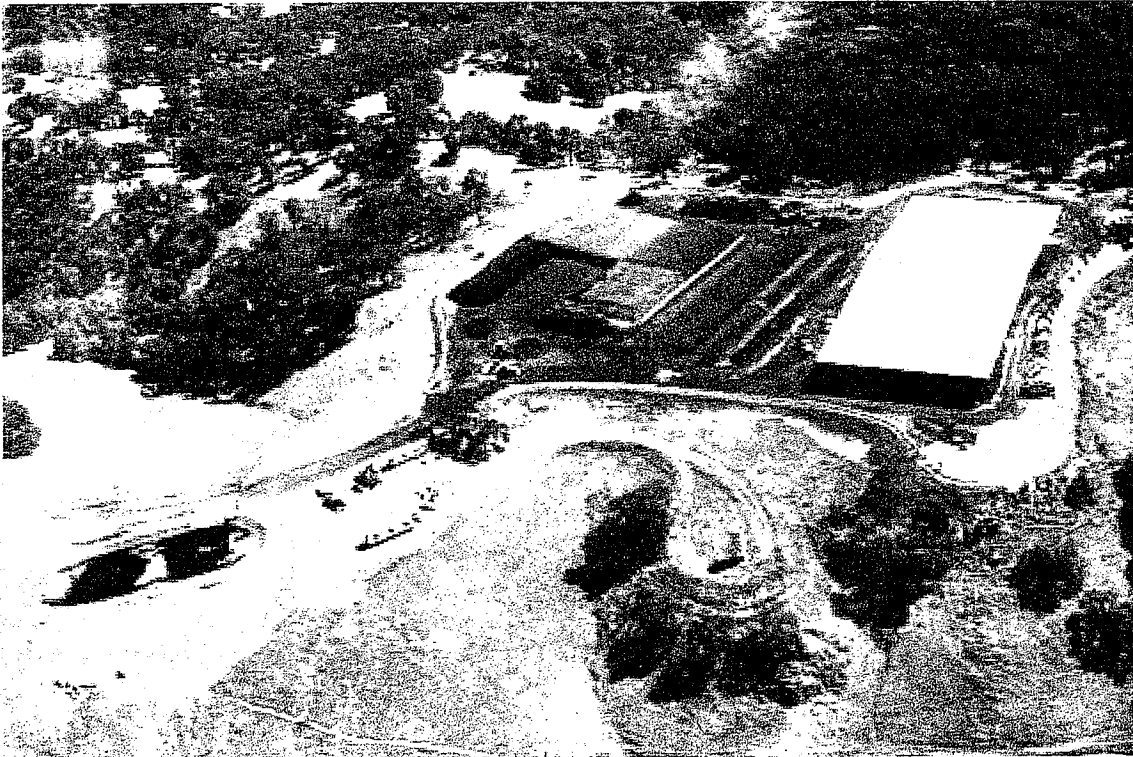


Roger Mitchell



Doc Scanned On: 11/14/11
R. Antonio Time: 12:34

OPERATION PLAN FOR NUTRIENT REUSE VIA LAND APPLICATION OF DETENTION BASIN WATER



Prepared for:
Cold Water Creek Compost, Inc.
6000 Potter Valley Road
Ukiah, California 95428

Prepared by:
LACO Associates
21 W 4th Street
Eureka, California 95001

2011 NOV 14 P 12: 24

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

LACO ASSOCIATES
ENGINEERS • GEOLOGISTS • ENVIRONMENTAL CONSULTANTS

January 11, 2011
LACO Project No. 7358.00

11/14/2011

Appendix A

Analytical Laboratory Results for Detention Basin Water Samples



A & L WESTERN AGRICULTURAL LABORATORIES, INC.

1311 Woodland Avenue, Suite 1 • Modesto, California 95351 • (209) 529-4080

Report No: 09-050-012
AMENDED

Account No: 3546-D

Send to: COLD CREEK COMPOST, INC.
6000 POTTER VALLEY RD.
UKIAH, CA 95482

Date Received: 02/19/2009
Date Reported: 02/27/2009

Sample ID: Pond

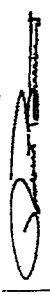
Lab Number: 65135

WATER ANALYSIS REPORT

Detection Limit	Analyte	Level Found	Method Code
0.05 mg/L	Ammonia Nitrogen	31.8 mg/L	SM 4500-NH ₃ B
0.5 mg/L	Nitrate - N	BDL	SM 4500-NO ₃ F
10 mg/L	Total Solids	2196 mg/L	SM 2540 B
2 mg/L	B.O.D.	95	SM 5210 B
Range = 4-10	pH	7.1	SM 4500-H ⁺ B
10 µmhos/cm	Electrical Conductivity	2250 µmhos/cm	SM 2510 B
0.05 mg/L	Ortho-P	4.13 mg/L	EPA 365.2

BDL - INDICATES THE LEVEL FOUND IS BELOW THE ESTABLISHED DETECTION LIMIT FOR THAT ANALYTE.

A & L Western Agricultural Laboratories



Robert Butterfield
Laboratory Director

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11/14/2011



Analytical Sciences

March 11, 2009

Jane Gaskell
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

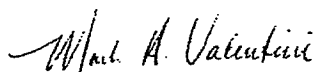
Dear Jane,

Enclosed you will find Analytical Sciences' final report 9030910 for your Cold Creek Compost project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences



Mark A. Valentini, Ph.D.

Laboratory Director



Analytical Sciences

Report Date: March 11, 2009

Laboratory Report

Jane Gaskell
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

Project Name: **Cold Creek Compost** **1207822**
Lab Project: **9030910**

This 10 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director



Total Coliform & E. Coli in Water

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9030910-01	Pond Leachate	Total Coliform	>24000	10
		E. Coli	13000	10

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch: B005600
Date Received:	03/09/09	Method:	SM 9223 B	

Total Enterococcus in Water

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9030910-01	Pond Leachate	Total Enterococcus	>24000	10

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch: B005599
Date Received:	03/09/09	Method:	SM 9223 B	

Boron in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Boron (B)	0.33	0.050

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch: B005606
Date Received:	03/09/09	Method:	EPA 6010B	

Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Calcium (Ca)	170	12
		Magnesium (Mg)	73	5.0
		Sodium (Na)	92	5.0

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch: B005606
Date Received:	03/09/09	Method:	EPA 6010B	



Anions in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Chloride	170	4.0
		Phosphate	ND	10

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch:	B005612
Date Received:	03/09/09	Method:	EPA 300.0		

Ammonia in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Ammonia as NH3	200	5.0

Date Sampled:	03/09/09	Date Analyzed:	03/10/09	QC Batch:	B005594
Date Received:	03/09/09	Method:	SM 4500-NH3 F		

TKN in water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Total Kjeldahl Nitrogen	190	25

Date Sampled:	03/09/09	Date Analyzed:	03/11/09	QC Batch:	B005619
Date Received:	03/09/09	Method:	SM 4500-Norg C		

COD in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9030910-01	Pond Leachate	Chemical Oxygen Demand	2500	500

Date Sampled:	03/09/09	Date Analyzed:	03/11/09	QC Batch:	B005522
Date Received:	03/09/09	Method:	SM 5220 D		



Quality Assurance Report

Boron in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005606 - EPA 3010A										
Blank (B005606-BLK1)										
Boron (B)	ND	0.050	mg/L							Prepared & Analyzed: 03/06/09
LCS (B005606-BS1)										
Boron (B)	0.505	0.050	mg/L	0.500		101	70-130			Prepared: 03/06/09 Analyzed: 03/10/09
LCS Dup (B005606-BSD1)										
Boron (B)	0.510	0.050	mg/L	0.500		102	70-130	1	20	Prepared: 03/06/09 Analyzed: 03/10/09



Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005606 - EPA 3010A										
Blank (B005606-BLK1)										
Prepared: 03/06/09 Analyzed: 03/10/09										
Calcium (Ca)	ND	0.25	mg/L							
Magnesium (Mg)	ND	0.10	mg/L							
Sodium (Na)	ND	0.10	mg/L							
LCS (B005606-BS1)										
Prepared: 03/06/09 Analyzed: 03/10/09										
Calcium (Ca)	0.538	0.25	mg/L	0.500		108	70-130			
Magnesium (Mg)	0.574	0.10	mg/L	0.500		115	70-130			
Sodium (Na)	0.581	0.10	mg/L	0.500		116	70-130			
LCS Dup (B005606-BSD1)										
Prepared: 03/06/09 Analyzed: 03/10/09										
Calcium (Ca)	0.542	0.25	mg/L	0.500		108	70-130	0.6	20	
Magnesium (Mg)	0.575	0.10	mg/L	0.500		115	70-130	0.2	20	
Sodium (Na)	0.580	0.10	mg/L	0.500		116	70-130	0.2	20	



Anions in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B005612 - Wet Chemistry Prep									
Blank (B005612-BLK1)				Prepared & Analyzed: 03/10/09					
Chloride	ND	0.20	mg/L						
Phosphate	ND	0.50	mg/L						
LCS (B005612-BS1)				Prepared & Analyzed: 03/10/09					
Chloride	2.21	0.20	mg/L	2.00		110 85-115			
Phosphate	5.21	0.50	mg/L	6.00		87 85-115			
LCS Dup (B005612-BSD1)				Prepared & Analyzed: 03/10/09					
Chloride	2.20	0.20	mg/L	2.00		110 85-115	0.5	20	
Phosphate	5.55	0.50	mg/L	6.00		92 85-115	6	20	



Ammonia in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005594 - NO PREP										
Blank (B005594-BLK1) Prepared: 03/05/09 Analyzed: 03/06/09										
Ammonia as NH3	ND	0.10	mg/L							
Matrix Spike (B005594-MS1) Source: 9030412-01 Prepared: 03/05/09 Analyzed: 03/06/09										
Ammonia as NH3	0.55	0.10	mg/L	0.500	ND	110	70-130			
Matrix Spike Dup (B005594-MSD1) Source: 9030412-01 Prepared: 03/05/09 Analyzed: 03/06/09										
Ammonia as NH3	0.55	0.10	mg/L	0.500	ND	110	70-130	0	20	



TKN in water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005619 - NO PREP										
Blank (B005619-BLK1)										
Prepared & Analyzed: 03/11/09										
Total Kjeldahl Nitrogen	ND	0.25	mg/L							
LCS (B005619-BS1)										
Prepared & Analyzed: 03/11/09										
Total Kjeldahl Nitrogen	5.02	0.25	mg/L	5.00		100	70-130			
LCS Dup (B005619-BSD1)										
Prepared & Analyzed: 03/11/09										
Total Kjeldahl Nitrogen	4.83	0.25	mg/L	5.00		97	70-130	4	20	



COD in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005522 - Wet Chemistry Prep										
Blank (B005522-BLK1) Prepared: 02/17/09 Analyzed: 02/24/09										
Chemical Oxygen Demand	ND	20	mg/L							
LCS (B005522-BS1) Prepared: 02/17/09 Analyzed: 02/24/09										
Chemical Oxygen Demand	454	20	mg/L	450		101	70-130			
LCS Dup (B005522-BSD1) Prepared: 02/17/09 Analyzed: 02/24/09										
Chemical Oxygen Demand	454	20	mg/L	450		101	70-130	0	20	



Notes and Definitions

RDL Reporting Detection Limit
ND Analyte NOT DETECTED at or above the reporting detection limit (RDL)
RPD Relative Percent Difference
NR Not Reported

CHAIN OF CUSTODY

Analytical Sciences
 P.O. Box 750336, Petaluma, CA 94975-0336
 110 Liberty Street, Petaluma, CA 94952
 (707) 769-3128



LAB PROJECT NUMBER: 1207822

SCS ENGINEERS PROJECT NAME: Cold Creek Compost

SCS ENGINEERS PROJECT NUMBER: 1207822

GEOTRACKER ID# 1207822

BILLING INFORMATION

CONTACT: Matin Mleck

COMPANY NAME: Cold Creek Compost

ADDRESS: 499 Box 910100 Potter Valley Rd
Basewood, Ukiah, CA 95427

PHONE # 707 485-5966

FAX #

CLIENT INFORMATION

SCS ENGINEERS

3843 BRICKWAY BLVD SUITE 208
 SANTA ROSA, CA 95403

CONTACT: Jane Gerthell

PHONE # (707) 544-5789

FAX #

TURNAROUND TIME (CHECK ONE)

MOBILE LAB

SAME DAY

48 HOURS

72 HOURS

NORMAL

ITEM	CLIENT SAMPLE ID	DATE SAMPLED	TIME	MATRIX	# CONT	PRESV YES/NO	ANALYSIS											LAB SAMPLE #					
							ammonia	arsenic	barium	bromide	cadmium	calcium	chromium	copper	fluoride	iron	lead		nickel	potassium	silica	total bacteria	total suspended solids
1	pond leachate	3/9/2009	13:17	liquid	7	yes	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	101-910-01	
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

SIGNATURES

AMPLIFIED BY: Julian Kavna DATE: 3/9/09 TIME: 13:20

RECEIVED BY: [Signature] DATE: 3/9/09 TIME: 15:18

RELINQUISHED BY: [Signature] DATE: 3/9/09 TIME: 15:18

RECEIVED BY: [Signature] DATE: 3/9/09 TIME: 15:18



A & L WESTERN AGRICULTURAL LABORATORIES, INC.
1311 Woodland Avenue, Suite 1 • Modesto, California 95351 • (209) 529-4080
Account No: 3546-D

Report No: 09-089-049

Send to: COLD CREEK COMPOST, INC.
6000 POTTER VALLEY RD.
UKIAH, CA 95482

Date Received: 03/30/2009
Date Reported: 04/09/2009

Sample ID: Pond

Lab Number: 65742

WATER ANALYSIS REPORT

Detection Limit	Analyte	Level Found	Method Code
0.05 mg/L	Ammonia Nitrogen	76.2	SM 4500-NH ₃ H
0.5 mg/L	Nitrate - N	BDL	SM 4500-NO ₃ F
10 mg/L	Total Solids	3762	SM 2540 B
2 mg/L	B.O.D.	1187	SM 5210 B
Range = 4-10	pH	8.0	SM 4500-H ⁺ B
10 µmhos/cm	Electrical Conductivity	4860	SM 2510 B
0.05 mg/L	Ortho-P	8.02	EPA 365.2

BDL - INDICATES THE LEVEL FOUND IS BELOW THE ESTABLISHED DETECTION LIMIT FOR THAT ANALYTE.

A & L Western Agricultural Laboratories

Robert Butterfield
Laboratory Director

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A & L WESTERN AGRICULTURAL LABORATORIES, INC.

Report No: 09-119-017

1311 Woodland Avenue, Suite 1 • Modesto, California 95351 • (209) 529-4080

Account No: 3546-D

Send to: COLD CREEK COMPOST, INC.
6000 POTTER VALLEY RD.
UKIAH, CA 95482



Date Received: 04/29/2009
Date Reported: 05/11/2009

Sample ID: Water

Lab Number: 66377

WATER ANALYSIS REPORT

Detection Limit	Analyte	Level Found	Method Code
0.05 mg/L	Ammonia Nitrogen	273 mg/L	SM 4500-NH ₃ H
0.5 mg/L	Nitrate - N	BDL	SM 4500-NO ₃ F
10 mg/L	Total Solids	3464 mg/L	SM 2540 B
2 mg/L	B.O.D.	1463 mg/L	SM 5210 B
Range = 4-10	pH	7.7 std. units	SM 4500-H ⁺ B
10 µmhos/cm	Electrical Conductivity	5120 µmhos/cm	SM 2510 B
0.05 mg/L	Ortho-P	5.10 mg/L	EPA 365.2

BDL - INDICATES THE LEVEL FOUND IS BELOW THE ESTABLISHED DETECTION LIMIT FOR THAT ANALYTE.

A & L Western Agricultural Laboratories

Robert Butterfield
Laboratory Director

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Analytical Sciences

June 10, 2009

Linda Taverner
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

Dear Linda,

Enclosed you will find Analytical Sciences' final report 9052014 for your Cold Creek Compost project.
An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Sincerely,

Analytical Sciences

A handwritten signature in black ink that reads "Mark A. Valentini". The signature is written in a cursive style and is positioned above a horizontal line.

Mark A. Valentini, Ph.D.

Laboratory Director



Analytical Sciences

Report Date: June 10, 2009

Laboratory Report

Linda Taverner
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

Project Name: **Cold Creek Compost** **01207822.00**
Lab Project: **9052014**

This 15 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director



Total Coliform & E. Coli

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9052014-01	Leachate	Total Coliform	20000	100
		E. Coli	4200	100

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005892
Date Received:	05/20/09	Method:	SM 9223 B		

Enterococcus

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9052014-01	Leachate	Total Enterococcus	58000	100

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005599
Date Received:	05/20/09	Method:	SM 9223 B		

Silica

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Silica (SiO ₂)	23	5.0

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005871
Date Received:	05/20/09	Method:	EPA 6010B		

Total Phosphorus

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Phosphorus	7.9	0.50

Date Sampled:	05/20/09	Date Analyzed:	05/27/09	QC Batch:	B005871
Date Received:	05/20/09	Method:	EPA 200.7		



Metals

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Boron (B)	0.37	0.050
		Calcium (Ca)	170	12
		Iron (Fe)	1.2	0.10
		Magnesium (Mg)	75	5.0
		Manganese (Mn)	1.8	0.020
		Sodium (Na)	120	5.0

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005871
Date Received:	05/20/09	Method:	EPA 6010B		

Alkalinity

Lab#	Sample ID	Compound Name	Result (mg CaCO3/L)	RDL (mg CaCO3/L)
9052014-01	Leachate	Total Alkalinity	1500	10
		Bicarbonate Alkalinity	1500	10
		Carbonate Alkalinity	ND	10
		Hydroxide Alkalinity	ND	10

Date Sampled:	05/20/09	Date Analyzed:	06/03/09	QC Batch:	B005851
Date Received:	05/20/09	Method:	SM 2320 B		

Anions

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Chloride	230	10
		Nitrite as N	ND	0.15
		Nitrate as N	ND	0.15
		Phosphate	7.3	0.50
		Sulfate as SO4	240	25

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005873
Date Received:	05/20/09	Method:	EPA 300.0		



Ammonia as Nitrogen

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Ammonia as N	230	10

Date Sampled:	05/20/09	Date Analyzed:	06/09/09	QC Batch: B005893
Date Received:	05/20/09	Method:	SM 4500-NH3 F	

TKN

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Total Kjeldahl Nitrogen	240	20

Date Sampled:	05/20/09	Date Analyzed:	06/01/09	QC Batch: B005894
Date Received:	05/20/09	Method:	SM 4500-Norg C	

Total Nitrogen as N

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Total Nitrogen as N	240	20

Date Sampled:	05/20/09	Date Analyzed:	06/10/09	QC Batch: B005894
Date Received:	05/20/09	Method:	EPA/SM - summation	

COD

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052014-01	Leachate	Chemical Oxygen Demand	2700	100

Date Sampled:	05/20/09	Date Analyzed:	05/27/09	QC Batch: B005796
Date Received:	05/20/09	Method:	SM 5220 D	



Sodium Absorption Ratio

Lab#	Sample ID	Compound Name	Result (SAR)	RDL (SAR)
9052014-01	Leachate	Sodium Absorption Ratio (SAR)	1.93	0.00

Date Sampled:	05/20/09	Date Analyzed:	05/21/09	QC Batch:	B005871
Date Received:	05/20/09	Method:	SAR by Calculation		



Quality Assurance Report

Silica

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005871 - EPA 3010A										
Blank (B005871-BLK1) Prepared & Analyzed: 05/14/09										
Silica (SiO ₂)	ND	0.10	mg/L							
LCS (B005871-BS1) Prepared & Analyzed: 05/14/09										
Silica (SiO ₂)	5.18	0.10	mg/L	5.35		97	70-130			
LCS Dup (B005871-BSD1) Prepared & Analyzed: 05/14/09										
Silica (SiO ₂)	5.17	0.10	mg/L	5.35		97	70-130	0.2	20	



Total Phosphorus

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005871 - EPA 3010A										
Blank (B005871-BLK1) Prepared: 05/14/09 Analyzed: 05/27/09										
Phosphorus	ND	0.10	mg/L							
LCS (B005871-BS1) Prepared: 05/14/09 Analyzed: 05/27/09										
Phosphorus	2.28	0.10	mg/L	2.50		91	70-130			
LCS Dup (B005871-BSD1) Prepared: 05/14/09 Analyzed: 05/27/09										
Phosphorus	2.30	0.10	mg/L	2.50		92	70-130	1	20	



Metals

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005871 - EPA 3010A										
Blank (B005871-BLK1)										
Prepared: 05/14/09 Analyzed: 05/27/09										
Boron (B)	ND	0.050	mg/L							
Calcium (Ca)	ND	0.25	mg/L							
Iron (Fe)	ND	0.10	mg/L							
Magnesium (Mg)	ND	0.10	mg/L							
Manganese (Mn)	ND	0.020	mg/L							
Sodium (Na)	ND	0.10	mg/L							
LCS (B005871-BS1)										
Prepared: 05/14/09 Analyzed: 05/27/09										
Boron (B)	0.464	0.050	mg/L	0.500		93	70-130			
Calcium (Ca)	0.499	0.25	mg/L	0.500		100	70-130			
Iron (Fe)	0.560	0.10	mg/L	0.500		112	70-130			
Manganese (Mn)	0.517	0.020	mg/L	0.500		103	70-130			
Sodium (Na)	0.468	0.10	mg/L	0.500		94	70-130			
LCS Dup (B005871-BSD1)										
Prepared: 05/14/09 Analyzed: 05/27/09										
Boron (B)	0.462	0.050	mg/L	0.500		92	70-130	0.4	20	
Calcium (Ca)	0.495	0.25	mg/L	0.500		99	70-130	0.8	20	
Iron (Fe)	0.557	0.10	mg/L	0.500		111	70-130	0.7	20	
Manganese (Mn)	0.513	0.020	mg/L	0.500		103	70-130	0.7	20	
Sodium (Na)	0.477	0.10	mg/L	0.500		95	70-130	2	20	



Alkalinity

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005851 - NO PREP										
Blank (B005851-BLK1)										
Prepared & Analyzed: 05/08/09										
Total Alkalinity	ND	5.0	mg CaCO3/L							
Bicarbonate Alkalinity	ND	5.0	mg CaCO3/L							
Carbonate Alkalinity	ND	5.0	mg CaCO3/L							
Hydroxide Alkalinity	ND	5.0	mg CaCO3/L							



Anions

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005873 - NO PREP										
Blank (B005873-BLK1)										
Prepared & Analyzed: 05/14/09										
Chloride	ND	0.20	mg/L							
Nitrite as N	ND	0.15	mg/L							
Nitrate as N	ND	0.15	mg/L							
Phosphate	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	mg/L							
Matrix Spike (B005873-MS1)										
Source: 9051106-02 Prepared & Analyzed: 05/20/09										
Chloride	9.42	0.20	mg/L	2.00	7.42	100	75-125			
Nitrite as N	0.359	0.15	mg/L	0.304	ND	118	75-125			
Nitrate as N	0.919	0.15	mg/L	0.903	ND	102	75-125			
Phosphate	4.84	0.50	mg/L	6.00	ND	81	75-125			
Sulfate as SO4	8.45	0.50	mg/L	4.00	4.33	103	75-125			
Matrix Spike Dup (B005873-MSD1)										
Source: 9051106-02 Prepared & Analyzed: 05/20/09										
Chloride	9.42	0.20	mg/L	2.00	7.42	100	75-125	0	20	
Nitrite as N	0.350	0.15	mg/L	0.304	ND	115	75-125	3	20	
Nitrate as N	0.842	0.15	mg/L	0.903	ND	93	75-125	9	20	
Phosphate	5.57	0.50	mg/L	6.00	ND	93	75-125	14	20	
Sulfate as SO4	8.22	0.50	mg/L	4.00	4.33	97	75-125	6	20	



Ammonia as Nitrogen

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B005893 - NO PREP									
Blank (B005893-BLK1)					Prepared: 05/28/09 Analyzed: 06/09/09				
Ammonia as N	ND	0.10	mg/L						
Matrix Spike (B005893-MS1)					Source: 9052619-01 Prepared: 05/28/09 Analyzed: 06/09/09				
Ammonia as N	0.44	0.10	mg/L	0.389	ND	113 70-130			
Matrix Spike Dup (B005893-MSD1)					Source: 9052619-01 Prepared: 05/28/09 Analyzed: 06/09/09				
Ammonia as N	0.41	0.10	mg/L	0.389	ND	105 70-130	7	20	



TKN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005894 - NO PREP										
Blank (B005894-BLK1) Prepared: 05/28/09 Analyzed: 06/01/09										
Total Kjeldahl Nitrogen	ND	0.25	mg/L							
LCS (B005894-BS1) Prepared: 05/28/09 Analyzed: 06/01/09										
Total Kjeldahl Nitrogen	4.84	0.25	mg/L	5.00		97	70-130			
LCS Dup (B005894-BSD1) Prepared: 05/28/09 Analyzed: 06/01/09										
Total Kjeldahl Nitrogen	5.04	0.25	mg/L	5.00		101	70-130	4	20	



COD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005796 - Wet Chemistry Prep										
Blank (B005796-BLK1)										
Chemical Oxygen Demand	ND	20	mg/L							Prepared: 04/21/09 Analyzed: 04/22/09
LCS (B005796-BS1)										
Chemical Oxygen Demand	450	20	mg/L	450		100	70-130			Prepared: 04/21/09 Analyzed: 04/22/09
LCS Dup (B005796-BSD1)										
Chemical Oxygen Demand	454	20	mg/L	450		101	70-130	0.7	20	



Sodium Absorption Ratio

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005871 - EPA 3010A										
Blank (B005871-BLK1)										
Prepared & Analyzed: 05/14/09										
Sodium Absorption Ratio (SAR)	ND	0.00	SAR							



Notes and Definitions

RDL	Reporting Detection Limit
ND	Analyte NOT DETECTED at or above the reporting detection limit (RDL)
RPD	Relative Percent Difference
NR	Not Reported



Analytical Sciences
 P.O. Box 750338, Petaluma, CA 94976-0338
 110 Liberty Street, Petaluma, CA 94952
 (707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 765215

Child Creek Compost

SCS ENGINEERS PROJECT NAME:
 SCS ENGINEERS PROJECT NUMBER: 0120782200

0120782200

TURNAROUND TIME (CHECK ONE)

VARIABLE: 1-3 DAYS

SAME DAY: 24 HOURS

48 HOURS: 72 HOURS

3 DAYS: MORNING

ESOURCE# Y N
 GLOBAL ID:

COOLER TEMPERATURE:

CCC:

CLIENT INFORMATION

COMPANY NAME: SCS ENGINEERS
 ADDRESS: 3843 BRICKWAY BLVD SUITE 208
 SANTA ROSA, CA 95403
 CONTACT: Linda Tawner
 PHONE #: (707) 546-9467
 FAX #: (707) 544-5789

BILLING INFORMATION

CONTACT: SCS Engineers
 ADDRESS: 3843 BRICKWAY BLVD SUITE 208
 SANTA ROSA, CA 95403
 PHONE #: (707) 546-9467
 FAX #: (707) 544-5789

ANALYSIS

PAGE 1 OF 1

ITEM	CLIENT SAMPLE ID	DATE SAMPLED	MATRIX	# CONT.	PRESV YES/NO	T Coliform/ E. Coliform SM 9223	Enterococcus SM 9222	Total Nitrogen (TKN NH3, NO3, NO2) SM 4500/FFA300	Total P & Orthophosphate FPA 6010/FFA300	Alkalinity SM 2120	BOD & COD SM 5520/SM 5210	Na, P, Ca, Mg, B, Cl, SO4, Fe & Mn FPA 6010/FFA300	Silica SAR Calc FPA 6010/FFA300	COMMENTS	LAB SAMPLE #
1	Leachate	5/20/09	200ml water	6	Yes	X	X	X	X	X	X	X	X		
2	Brown water	5/20/09	250ml water	2	No										
3															
4															
5															
6															
7															
8															
9															
10															
11															

SIGNATURES

RELINQUISHED BY: [Signature] DATE: 5/20/09 TIME: _____
 RECEIVED BY LABORATORY: [Signature] DATE: 5/20/09 TIME: _____
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____

BRELJE AND RACE



LABORATORIES, INC.

425 SOUTH E STREET • SANTA ROSA, CALIFORNIA 95404 • (707) 544-8807

June 2, 2009

Sample Collected: 05/20/09
Sample Received: 05/21/09
Collected By : Client

Analytical Sciences
110 Liberty St.
Petaluma, CA. 94952

LOG NUMBER

509-11271

Sample Description:

9052014: 01
Pond Leachate
Cold Creek Compost

ANALYSIS


BOD₅ @ 20°C mg/L
(Std. Mthds. 20th ed. 5210 B)

1500.

BOD Start Date: 05/21/09
BOD Complete Date: 05/26/09

VERY TRULY YOURS.

BRELJE AND RACE LABORATORIES, INC.


ANN HILL, LABORATORY MANAGER

AH:ljc



Analytical Sciences
 P.O. Box 750336, Petaluma, CA 94975-0336
 110 Liberty Street, Petaluma, CA 94952
 (707) 769-3128
 Fax (707) 769-8093

CHAIN OF CUSTODY

SUBCONTRACT LAB: Breije & Race

CLIENT'S PROJECT NAME: San Francisco Bay Cleanup

AS PROJECT NUMBER: 98S2419

CLIENT INFORMATION
 COMPANY NAME: ANALYTICAL SCIENCES
 ADDRESS: P. O. BOX 750336
 PETALUMA, CA 94975-0336
 CONTACT: MARK VALENTINI
 PHONE#: (707) 769-3128
 FAX #: (707) 769-8093

TURNAROUND TIME (check one)
 MOBILE LAB _____
 SAME DAY _____
 48 HOURS _____
 5 DAYS _____

24 HOURS _____
 72 HOURS _____
 NORMAL _____

COOLER TEMPERATURE _____ °C
 PAGE _____ OF _____

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	ANALYSIS										COMMENTS	LAB SAMPLE #		
							BOD													
1	<i>Sketches</i>	<i>Sketches</i>					X													
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SIGNATURES

REINQUISHED BY: *Mark Valentini* DATE: *10/21/98* TIME: _____

SIGNATURE: _____

RECEIVED BY LABORATORY: *Michelle Davis* DATE: *10/21/98* TIME: _____

SIGNATURE: _____

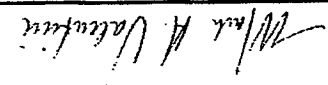
1002714

P.O. Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Laboratory Director

Mark A. Valentini, Ph.D.



Analytical Sciences

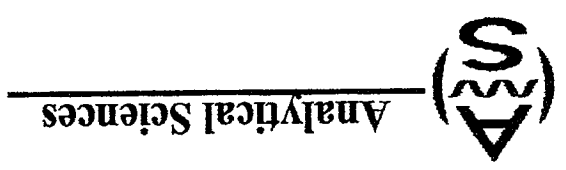
Sincerely,

Enclosed you will find Analytical Sciences' final report 9052803 for your Cold Creek Compost project. An invoice for this work is enclosed.
Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

Dear Linda,

Linda Tavner
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

June 11, 2009

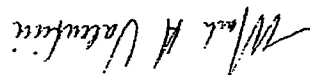


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Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952

Laboratory Director

Mark A. Valentini, Ph.D.



This 15 page report of analytical data has been reviewed and approved for release.

Project Name: Cold Creek Compost
Lab Project: 9052803
01207822.00

Linda Taverner
SCS Engineers
3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403

Laboratory Report

Report Date: June 11, 2009





Total Coliform & E. Coli

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9052803-01	Brewery Waste Water	Total Coliform	>240000	100
		E. Coli	>240000	100
Date Sampled:	05/27/09	Date Analyzed:	05/29/09	QC Batch: B005909
Date Received:	05/28/09	Method:	SM 9223 B	

Enterococcus

Lab#	Sample ID	Compound Name	Result (MPN/100 mL)	RDL (MPN/100 mL)
9052803-01	Brewery Waste Water	Total Enterococcus	>240000	100
Date Sampled:	05/27/09	Date Analyzed:	05/29/09	QC Batch: B005599
Date Received:	05/28/09	Method:	SM 9223 B	

Silica

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Silica (SiO ₂)	43	5.0
Date Sampled:	05/27/09	Date Analyzed:	06/05/09	QC Batch: B005911
Date Received:	05/28/09	Method:	EPA 6010B	

Total Phosphorus

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Phosphorus	99	20
Date Sampled:	05/27/09	Date Analyzed:	06/03/09	QC Batch: B005911
Date Received:	05/28/09	Method:	EPA 200.7	



Metals

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Boron (B)	0.58	0.050
		Calcium (Ca)	110	12
		Iron (Fe)	1.9	0.10
		Magnesium (Mg)	65	5.0
		Manganese (Mn)	0.41	0.020
		Sodium (Na)	470	5.0

Alkalinity

Lab#	Sample ID	Compound Name	Result (mg CaCO3/L)	RDL (mg CaCO3/L)
9052803-01	Brewery Waste Water	Total Alkalinity	1100	10
		Bicarbonate Alkalinity	1100	10
		Carbonate Alkalinity	ND	10
		Hydroxide Alkalinity	ND	10

Anions

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Chloride	140	4.0
		Nitrite as N	ND	0.15
		Nitrate as N	0.24	0.15
		Phosphate	130	10
		Sulfate as SO4	41	10

Date Analyzed: 05/27/09	Date Analyzed: 05/28/09	Method: EPA 300.0	QC Batch: B005897
Date Received: 05/28/09			

Date Analyzed: 06/03/09	Date Analyzed: 06/03/09	Method: SM 2320 B	QC Batch: B005851
Date Received: 05/28/09			

Date Analyzed: 06/05/09	Date Analyzed: 06/05/09	Method: EPA 6010B	QC Batch: B005911
Date Received: 05/28/09			



Ammonia as Nitrogen

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Ammonia as N	9.8	1.0
Date Sampled:	05/27/09	Date Analyzed:	06/04/09	QC Batch: B005925
Date Received:	05/28/09	Method:	SM 4500-NH3 F	

TKN

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Total Kjeldahl Nitrogen	48	2.5
Date Sampled:	05/27/09	Date Analyzed:	06/05/09	QC Batch: B005926
Date Received:	05/28/09	Method:	SM 4500-Norg C	

Total Nitrogen as N

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Total Nitrogen as N	48	2.5
Date Sampled:	05/27/09	Date Analyzed:	06/05/09	QC Batch: B005926
Date Received:	05/28/09	Method:	EP/SM - summation	

COD

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
9052803-01	Brewery Waste Water	Chemical Oxygen Demand	5800	200
Date Sampled:	05/27/09	Date Analyzed:	06/10/09	QC Batch: B005796
Date Received:	05/28/09	Method:	SM 5220 D	



Sodium Absorption Ratio

Lab#	Sample ID	Compound Name	Result (SAR)	RDL (SAR)
9052803-01	Brewery Waste Water	Sodium Absorption Ratio (SAR)	8.70	0.00

Date Analyzed:	06/05/09	QC Batch:	B005911
Date Sampled:	05/27/09	Date Analyzed:	06/05/09
Date Received:	05/28/09	Method:	SAR by Calculation



Quality Assurance Report

Silica

Analyte	Result	Reporting Limit	Units	Spike Level	Source	%R/C	Result	%R/C	Limits	RPD	Limit	Notes
---------	--------	-----------------	-------	-------------	--------	------	--------	------	--------	-----	-------	-------

Batch B005911 - EPA 3010A

Blank (B005911-BLKI)	ND	0.10	mg/L									
Prepared & Analyzed: 05/29/09												

ICS (B005911-BSI)	4.97	0.10	mg/L				5.35	93	70-130			
Prepared & Analyzed: 05/29/09												

ICS Dup (B005911-BSD1)	4.65	0.10	mg/L				5.35	87	70-130	7	20	
Prepared & Analyzed: 05/29/09												

Silica (S:O2)

ICS Dup (B005911-BSD1)

Silica (S:O2)

ICS (B005911-BSI)

Silica (S:O2)

Blank (B005911-BLKI)

Prepared & Analyzed: 05/29/09

Prepared & Analyzed: 05/29/09

Prepared & Analyzed: 05/29/09



Total Phosphorus

Analyte	Result	Reporting Limit	Units	Spike Level	Source	%RBC	Limits	RPD	RPD	Notes
---------	--------	-----------------	-------	-------------	--------	------	--------	-----	-----	-------

Batch B005911 - EPA 3010A

Blank (B005911-BLK1)	Phosphorus	ND	0.10	mg/L						
Prepared: 05/29/09 Analyzed: 06/03/09										
LCS (B005911-BS1)	Phosphorus	2.74	0.10	mg/L			110	70-130		
Prepared: 05/29/09 Analyzed: 06/03/09										
LCS Dup (B005911-BSD1)	Phosphorus	2.70	0.10	mg/L			108	70-130	2	20
Prepared: 05/29/09 Analyzed: 06/03/09										



Metals

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------	-----	-------	-------

Batch B005911 - EPA 3010A

Blank (B005911-BLKI)

Prepared: 05/29/09 Analyzed: 06/03/09

Boron (B)	ND	0.050	mg/L							
Calcium (Ca)	ND	0.25	mg/L							
Iron (Fe)	ND	0.10	mg/L							
Magnesium (Mg)	ND	0.10	mg/L							
Manganese (Mn)	ND	0.020	mg/L							
Sodium (Na)	ND	0.10	mg/L							

LCS (B005911-BSI)

Prepared: 05/29/09 Analyzed: 06/03/09

Boron (B)	0.515	0.050	mg/L	103	70-130	0.500				
Calcium (Ca)	0.510	0.25	mg/L	102	70-130	0.500				
Iron (Fe)	0.542	0.10	mg/L	108	70-130	0.500				
Magnesium (Mg)	0.565	0.10	mg/L	113	70-130	0.500				
Manganese (Mn)	0.511	0.020	mg/L	102	70-130	0.500				
Sodium (Na)	0.668	0.10	mg/L	134	70-140	0.500				

LCS Dup (B005911-BSD1)

Prepared: 05/29/09 Analyzed: 06/03/09

Boron (B)	0.510	0.050	mg/L	102	70-130	0.500				
Calcium (Ca)	0.481	0.25	mg/L	96	70-130	0.500				
Iron (Fe)	0.512	0.10	mg/L	102	70-130	0.500				
Magnesium (Mg)	0.528	0.10	mg/L	106	70-130	0.500				
Manganese (Mn)	0.480	0.020	mg/L	96	70-130	0.500				
Sodium (Na)	0.588	0.10	mg/L	118	70-140	0.500				



Alkalinity

Analyte	Result	Reporting Limit	Units	Spike Level	Source	%REC	RPD	RPD Limit	Notes
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Batch B005851 - NO PREP

Blank (B005851-BLKI)

Prepared & Analyzed: 05/08/09

Total Alkalinity	ND	5.0	mg CaCO3/L						
Bicarbonate Alkalinity	ND	5.0	mg CaCO3/L						
Carbonate Alkalinity	ND	5.0	mg CaCO3/L						
Hydroxide Alkalinity	ND	5.0	mg CaCO3/L						



Anions

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch B005897 - NO PREP

Blank (B005897-BLK1)

Prepared & Analyzed: 05/22/09

Chloride	ND	0.20	mg/L						
Nitrite as N	ND	0.15	mg/L						
Nitrate as N	ND	0.15	mg/L						
Phosphate	ND	0.50	mg/L						
Sulfate as SO4	ND	0.50	mg/L						

Matrix Spike (B005897-MS1)

Source: 9052709-01

Prepared & Analyzed: 05/27/09

Chloride	6.60	0.20	mg/L	2.00	4.89	86	75-125		
Nitrite as N	0.359	0.15	mg/L	0.304	ND	118	75-125		
Nitrate as N	0.892	0.15	mg/L	0.903	ND	99	75-125		
Phosphate	5.58	0.50	mg/L	6.00	ND	93	75-125		
Sulfate as SO4	6.87	0.50	mg/L	4.00	3.65	80	75-125		

Matrix Spike Dup (B005897-MSD1)

Source: 9052709-01

Prepared & Analyzed: 05/27/09

Chloride	6.70	0.20	mg/L	2.00	4.89	90	75-125	2	20
Nitrite as N	0.313	0.15	mg/L	0.304	ND	103	75-125	14	20
Nitrate as N	0.978	0.15	mg/L	0.903	ND	108	75-125	9	20
Phosphate	6.57	0.50	mg/L	6.00	ND	110	75-125	16	20
Sulfate as SO4	7.53	0.50	mg/L	4.00	3.65	97	75-125	19	20



Ammonia as Nitrogen

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%RBC	RPD Limit	Notes
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Batch B005925 - NO PREP

Blank (B005925-BLK1)

Prepared: 06/03/09 Analyzed: 06/04/09

Ammonia as N

ND

0.10

mg/L

Matrix Spike (B005925-MS1)

Source: 9060113-01

Prepared: 06/03/09 Analyzed: 06/04/09

Ammonia as N

0.60

0.10

mg/L

0.389 0.09 130 70-130

Matrix Spike Dup (B005925-MSD1)

Source: 9060113-01

Prepared: 06/03/09 Analyzed: 06/04/09

Ammonia as N

0.57

0.10

mg/L

0.389 0.09 122 70-130 7 20



TKN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	--------	-----	-----------	-------

Batch B005926 - NO PREP

Blank (B005926-BLKI)	ND	0.25	mg/L							Prepared: 06/04/09 Analyzed: 06/05/09
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Total Kjeldahl Nitrogen

Matrix Spike (B005926-MSI)	5.44	0.25	mg/L	5.00	ND	109	70-130			Prepared: 06/04/09 Analyzed: 06/05/09
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Total Kjeldahl Nitrogen

Matrix Spike Dup (B005926-MSDI)	5.01	0.25	mg/L	5.00	ND	100	70-130	8	20	Prepared: 06/04/09 Analyzed: 06/05/09
---------------------------------	------	------	------	------	----	-----	--------	---	----	---------------------------------------

Total Kjeldahl Nitrogen



COD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005796 - Wet Chemistry Prep										
Blank (B005796-BLK1)				Prepared: 04/21/09 Analyzed: 04/22/09						
Chemical Oxygen Demand	ND	20	mg/L							
LCS (B005796-BS1)				Prepared: 04/21/09 Analyzed: 04/22/09						
Chemical Oxygen Demand	450	20	mg/L	450		100	70-130			
LCS Dup (B005796-BSD1)				Prepared: 04/21/09 Analyzed: 04/22/09						
Chemical Oxygen Demand	454	20	mg/L	450		101	70-130	0.7	20	



Sodium Absorption Ratio

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B005911 - EPA 3010A										
Blank (B005911-BLK1)										
Prepared & Analyzed: 05/29/09										
Sodium Absorption Ratio (SAR)	ND	0.00	SAR							



Notes and Definitions

RDL	Reporting Detection Limit
ND	Analyte NOT DETECTED at or above the reporting detection limit (RDL)
RPD	Relative Percent Difference
NR	Not Reported

CHAIN OF CUSTODY

Analytical Sciences
 P.O. Box 750336, Petaluma, CA 94975-0336
 110 Liberty Street, Petaluma, CA 94952
 (707) 769-3128



LAB PROJECT NUMBER: 46503
 SCS ENGINEERS PROJECT NAME: Cold Creek Contosol
 01207822 00

SCS ENGINEERS PROJECT NUMBER: _____

TURNAROUND TIME (CHECK ONE)

W/RIE FLAR _____

3 SAME DAY _____ 24 HOURS _____

48 HOURS _____ 72 HOURS _____

5 DAYS _____ NORMAL X _____

BILLING INFORMATION

NAME (New/Ret) _____

SCS ENGINEERS

3843 BRICKWAY BLVD, SUITE 208
 SANTA ROSA, CA 95403

PHONE # (707) 548-0461

FAX # (707) 544-5768

CLIENT INFORMATION

SCS ENGINEERS

3843 BRICKWAY BLVD, SUITE 208
 SANTA ROSA, CA 95403

CONTACT: Linda Tanner

PHONE # (707) 548-9465

FAX # (707) 544-5706

ANALYSIS

ITEM	CLIENT SAMPLE ID	DATE SAMPLED	TIME	MATRIX	PRECIPITATION	CONV.	RESU. FRINGE	1 Coliform SM 9223	2 Fluorocarbon SM 9223	3 Total Nitrogen (TN, NH3, NO3, NO2) SM 4500/FP/300	4 Total P Orthophosphate EPA 8010/FP/300	5 Alkalinity SM 2320	6 BOD & COD SM 5600/512 5210	7 Na, P, Ca Mg B, Cl, SO4, Fe & Mn EPA 8010/FP/300	8 Silica SM 4500 EPA 8010/FP/300	COMMENTS	LAR SAMPLE #		
1	Brewery Waste Water	5/27/09	1:30 PM	Water	Yes	8													
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			

SIGNATURES

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

BRELJE AND RACE



LABORATORIES, INC.

425 SOUTH E STREET • SANTA ROSA, CALIFORNIA 95404 • (707) 544-8807

June 9, 2009

Sample Collected: 05/27/09
Sample Received: 05/28/09
Collected By : Client

Analytical Sciences
110 Liberty St
Petaluma, CA. 94952

LOG NUMBER 509-11697
Sample Description: 9052803: 01
Brewery Wastewater
Cold Creek Compost

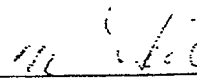
ANALYSIS
BOD₅ @ 20°C mg/l
(Std. Mthds. 20th ed 5210 B)

990.

BOD Start Date: 05/29/09
BOD Complete Date: 06/03/09

VERY TRULY YOURS.

BRELJE AND RACE LABORATORIES, INC.


ANN HILL, LABORATORY MANAGER

AH:lje



Analytical Sciences
 P.O. Box 750336, Petaluma, CA 94975-0336
 110 Liberty Street, Petaluma, CA 94952
 (707) 769-3128
 Fax (707) 769-8093

CHAIN OF CUSTODY

SUBCONTRACT LAB: Brelje & Race

CLIENT'S PROJECT NAME: Gold Creek Cleanup
 AS PROJECT NUMBER: 9052803

CLIENT INFORMATION

COMPANY NAME: ANALYTICAL SCIENCES
 ADDRESS: P.O. BOX 750336
 PETALUMA, CA 94975-0336
 CONTACT: MARK VALENTINI
 PHONE#: (707) 769-3128
 FAX #: (707) 769-8093

TURNAROUND TIME (check one)

MOBILE LAB _____
 SAME DAY _____ 24 HOURS _____
 48 HOURS _____ 72 HOURS _____
 5 DAYS _____ NORMAL

COOLER TEMPERATURE _____ °C
 COC _____
 PAGE _____ OF _____

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT	PRESV. YES/NO	BOD	ANALYSIS										COMMENTS	LAB SAMPLE #				
1	Brewery Waste Water	5/22/09	14:05	W	1		X														9052803-01		
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

SIGNATURES

RELINQUISHED BY: Mark Valentini DATE: 5/28/09 TIME: _____
 SIGNATURE: _____

RECEIVED BY LABORATORY: Bob Brelje DATE: 5/28/09 TIME: _____
 SIGNATURE: _____

11/19/2011