



Laboratory Results

Cindy Schreier
PRIMA Environmental, Inc.
5070 Robert J. Mathews Parkway, Ste. 300
El Dorado Hills, CA 95762

Subject : 2 Water Samples
Project Name : NGEM-TR-FL
Project Number :

Dear Ms. Schreier,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74406

Date : 09/09/2010

Project Name : **NGEM-TR-FL**

Project Number :

Sample : **RSAM-5**

Matrix : Water

Lab Number : 74406-01

Sample Date :09/03/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	140	10	ug/L	EPA 7199	09/03/10 17:43

Sample : **RSAM-6**

Matrix : Water

Lab Number : 74406-02

Sample Date :09/03/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	5.7	5.0	ug/L	EPA 7199	09/03/10 17:53

Report Number : 74406

Date : 09/09/2010

QC Report : Method Blank Data

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	09/03/2010						

Report Number : 74406

Date : 09/09/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexavalent Chromium	74363-20	< 1.0	5.00	5.00	5.77	5.76	ug/L	EPA 7199	9/3/10	104	104	0.136	90.0-110	10

Report Number : 74406

Date : 09/09/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TR-FL**

Project Number :

<u>Parameter</u>	<u>Spike Level</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>	<u>LCS Percent Recov.</u>	<u>LCS Percent Recov. Limit</u>
Hexavalent Chromium	5.00	ug/L	EPA 7199	9/3/10	108	90.0-110



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

Project Contact (Hardcopy or PDF To):

PRIMA ENVIRONMENTAL, Inc.
 C 5070 Robert J. Mathews Pkwy, Ste 300
 El Dorado Hills, CA 95762
 P PH: 916-939-7300
 F FAX: 916-939-7398

Project #: _____ P.O. #: _____

Project Name:

NGEM-TR-FL

Project Address:

California EDF Report? Yes No

Sampling Company Log Code:

Global ID:

EDF Deliverable To (Email Address):

E data@primaenvironmental.com

Sampler Print Name:

Sampler Signature:

Sampling Date Time

Sample Designation
 RSAM-5 9/3/10 1225
 RSAM-6 9/3/10 1225

40 ml VOA
 Sleeve
 Poly X
 Glass X
 Tedlar
 HCl
 HNO₃
 None
 Preservative
 Container
 Matrix
 Water X
 Soil
 Air

Chain-of-Custody Record and Analysis Request

Analysis Request

CIRCLE METHOD

- MTBE @ 0.5 ppb (EPA 8260B)
- BTX (EPA 8260B)
- TPH Gas (EPA 8260B)
- 5 Oxygenates (MTBE, DIFE, ETBE, TAME, TBA) (EPA 8260B)
- 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)
- Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)
- Volatile Halocarbons (EPA 8260B)
- Volatile Organics Full List (EPA 8260B)
- Volatile Organics (EPA 524.2 Drinking Water)
- TPH as Diesel (EPA 8015M)
- TPH as Motor Oil (EPA 8015M)
- CAM 17 Metals (EPA 200.7 / 6010)
- 5 Waste Oil Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 6010)
- Mercury (EPA 245.1 / 7470 / 7471)
- Total Lead (EPA 200.7 / 6010)
- W.E.T. Lead (STLC)

TAT
 12 hr
 24 hr
 48hr
 72hr
 1 wk

For Lab Use Only
 01
 02

99-7199-01

Remarks:

These samples probably contain very high salt - especially perchlorate. See Mary Jo with questions. Thanks!

Received by:

Time

Date 9/3/10

Received by:

Time

Date

Received by Laboratory:

Time

Date 090310 1245

Relinquished by:

W.G. Sel

Relinquished by:

Relinquished by:

Lozmi Lee Analytical Kiff

SAMPLE RECEIPT CHECKLIST

RECEIVER
RLM
Initials

SRG#: 74406 Date: 090310
Project ID: NGEM-TR-FL
Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
Custody seals on shipping container? Intact Broken Not present N/A
Is COC Signed by Relinquisher? Yes No Dated? Yes No
Is sampler name legibly indicated on COC? Yes No
Is analysis or hold requested for all samples? Yes No
Is the turnaround time indicated on COC? Yes No
Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
Temperature °C 4.2 Therm. ID# IR-5 Initial RLM Date/Time 090310/1410 N/A
Are there custody seals on sample containers? Intact Broken Not present
Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon? Yes No
Are any sample containers broken, leaking or damaged? Yes No
Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
Are preservatives correct for analyses requested? Yes No N/A
Are samples within holding time for analyses requested? Yes No
Are the correct sample containers used for the analyses requested? Yes No
Is there sufficient sample to perform testing? Yes No
Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No
Receipt Details
Matrix WA Container type Poly # of containers received 2
Matrix _____ Container type _____ # of containers received _____
Matrix _____ Container type _____ # of containers received _____
Date and Time Sample Put into Temp Storage Date: 090310 Time: 1413

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
If project ID is listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
If collection dates are listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Laboratory Results

Cindy Schreier
PRIMA Environmental, Inc.
5070 Robert J. Mathews Parkway, Ste. 300
El Dorado Hills, CA 95762

Subject : 7 Water Samples
Project Name : NGEM-TR-FL
Project Number :

Dear Ms. Schreier,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74433

Date : 09/08/2010

Subject : 7 Water Samples
Project Name : NGEM-TR-FL
Project Number :

Case Narrative

The recommended Hold Time was exceeded for the analyte Hexavalent Chromium associated with samples NGEM-TRON-FL-RSAM-5 S6, NGEM-TRON-FL-RSAM-6 S5, NGEM-TRON-FL-SA-189 S2, RSAM-5-S7, SA-189-S3 and SA-189-S4. Samples that were past hold time were analyzed by client request.

Project Name : **NGEM-TR-FL**

Project Number :

Sample : **NGEM-TRON-FL-SA-189 S2**

Matrix : Water

Lab Number : 74433-01

Sample Date :09/04/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	13	10	ug/L	EPA 7199	09/08/10 09:29

Sample : **NGEM-TRON-FL-RSAM-5 S6**

Matrix : Water

Lab Number : 74433-02

Sample Date :09/04/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	130	5.0	ug/L	EPA 7199	09/08/10 10:25

Sample : **NGEM-TRON-FL-RSAM-6 S5**

Matrix : Water

Lab Number : 74433-03

Sample Date :09/04/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	5.7	5.0	ug/L	EPA 7199	09/08/10 09:48

Sample : **SA-189-S3**

Matrix : Water

Lab Number : 74433-04

Sample Date :09/05/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	8.2	5.0	ug/L	EPA 7199	09/08/10 09:57

Project Name : **NGEM-TR-FL**

Project Number :

Sample : **SA-189-S4**

Matrix : Water

Lab Number : 74433-05

Sample Date :09/06/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	8.8	5.0	ug/L	EPA 7199	09/08/10 10:07

Sample : **RSAM-5-S7**

Matrix : Water

Lab Number : 74433-06

Sample Date :09/05/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	110	5.0	ug/L	EPA 7199	09/08/10 10:16

Sample : **SA-189-S5**

Matrix : Water

Lab Number : 74433-07

Sample Date :09/07/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	3.9	1.0	ug/L	EPA 7199	09/08/10 09:38

Report Number : 74433

Date : 09/08/2010

QC Report : Method Blank Data

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	09/08/2010						

Report Number : 74433

Date : 09/08/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexavalent Chromium	74404-01	11	5.00	5.00	15.9	16.2	ug/L	EPA 7199	9/8/10	104	109	1.66	90.0-110	10

Report Number : 74433

Date : 09/08/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TR-FL**

Project Number :

<u>Parameter</u>	<u>Spike Level</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>	<u>LCS Percent Recov.</u>	<u>LCS Percent Recov. Limit</u>
Hexavalent Chromium	5.00	ug/L	EPA 7199	9/8/10	110	90.0-110

SAMPLE RECEIPT CHECKLIST

RECEIVER <i>LJR</i> Initials

SRG#: 74433 Date: 090710

Project ID: NGEM-TR-FL

Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

- | | |
|--|--|
| Is COC present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Custody seals on shipping container? <input type="checkbox"/> Intact <input type="checkbox"/> Broken <input type="checkbox"/> Not present <input checked="" type="checkbox"/> N/A | |
| Is COC Signed by Relinquisher? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Dated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Is sampler name legibly indicated on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Is analysis or hold requested for all samples? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Is the turnaround time indicated on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Is COC free of whiteout and uninitialed cross-outs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Whiteout <input checked="" type="checkbox"/> No, Cross-outs | |

Sample Inspection

- Coolant Present: Yes No (includes water)
- Temperature °C 0.0 Therm. ID# IR-S Initial LJR Date/Time 090710/1844 N/A
- | | |
|---|--|
| Are there custody seals on sample containers? <input type="checkbox"/> Intact <input type="checkbox"/> Broken <input checked="" type="checkbox"/> Not present | |
| Do containers match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No, COC lists absent sample(s) | <input type="checkbox"/> No, Extra sample(s) present |
| Are there samples matrices other than soil, water, air or carbon? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Are any sample containers broken, leaking or damaged? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Are preservatives indicated? <input type="checkbox"/> Yes, on sample containers | <input type="checkbox"/> Not indicated <input checked="" type="checkbox"/> N/A |
| Are preservatives correct for analyses requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Are samples within holding time for analyses requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Are the correct sample containers used for the analyses requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Is there sufficient sample to perform testing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Does any sample contain product, have strong odor or are otherwise suspected to be hot? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

Receipt Details

Matrix <u>WA</u>	Container type <u>poly</u>	# of containers received <u>7</u>
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____
Date and Time Sample Put into Temp Storage Date: <u>090710</u> Time: <u>1846</u>		

Quicklog

- Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
- If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
- Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
- If project ID is listed on both COC and containers, do they all match? Yes No N/A
- Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
- If collection dates are listed on both COC and containers, do they all match? Yes No N/A
- Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
- If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Laboratory Results

Cindy Schreier
PRIMA Environmental, Inc.
5070 Robert J. Mathews Parkway, Ste. 300
El Dorado Hills, CA 95762

Subject : 2 Water Samples
Project Name : NGEM-TR-FL
Project Number :

Dear Ms. Schreier,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74538

Date : 09/16/2010

Project Name : **NGEM-TR-FL**

Project Number :

Sample : **NGEM-TR-FL-RSAM-5-58**

Matrix : Water

Lab Number : 74538-01

Sample Date :09/14/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	120	10	ug/L	EPA 7199	09/15/10 12:01

Sample : **NGEM-TR-FL-RSAM-6-56**

Matrix : Water

Lab Number : 74538-02

Sample Date :09/14/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	5.2	2.0	ug/L	EPA 7199	09/15/10 13:08

Report Number : 74538

Date : 09/16/2010

QC Report : Method Blank Data

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	09/15/2010						

Report Number : 74538

Date : 09/16/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexavalent Chromium	74537-01	< 1.0	5.00	5.00	5.05	5.20	ug/L	EPA 7199	9/15/10	96.3	99.4	3.02	90.0-110	10

Report Number : 74538

Date : 09/16/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TR-FL**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Hexavalent Chromium	5.00	ug/L	EPA 7199	9/15/10	110	90.0-110



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

PRIMA ENVIRONMENTAL, Inc.
 5070 Robert J. Mathews Pkwy, Ste 300
 El Dorado Hills, CA 95762
 PH: 916-939-7300
 FAX: 916-939-7398

California EDF Report? Yes No

Sampling Company Log Code:

Global ID:

E-mail: data@primaenvironmental.com

B... u.

Sampler Print Name: *Cathy Liguori*

Sampler Signature: *Cathy Liguori*

Project Address:

Sample Designation

Date

Time

40 ml VOA

Sleeve

Poly

Glass

Tedlar

HCl

HNO₃

None

Preservative

Water

Soil

Air

Matrix

Relinquished by:

Cathy Liguori

Relinquished by:

Relinquished by:

Received by:

Received by:

Received by Laboratory:

T. Liguori *KIFF Analytical LLC*

Remarks:

High conductivity

Chain-of-Custody Record and Analysis Request

Analysis Request

CIRCLE METHOD

TAT

12 hr

24 hr

48hr

72hr

1 wk

For Lab Use Only

Analysis Request	01	02
MTBE @ 0.5 ppb (EPA 8260B)		
BTEX (EPA 8260B)		
TPH Gas (EPA 8260B)		
5 Oxygenates (MTBE, DIBE, ETBE, TAME, TBA) (EPA 8260B)		
7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)		
Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)		
Volatile Halocarbons (EPA 8260B)		
Volatile Organics Full List (EPA 8260B)		
Volatile Organics (EPA 524.2 Drinking Water)		
TPH as Diesel (EPA 8015M)		
TPH as Motor Oil (EPA 8015M)		
CAM 17 Metals (EPA 200.7 / 6010)		
5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)		
Mercury (EPA 245.1 / 7470 / 7471)		
Total Lead (EPA 200.7 / 6010)		
W.E.T. Lead (STLC)		
CS (VF) (7199)	X	X

74.538

SRG # / Lab No.

Page

of

SAMPLE RECEIPT CHECKLIST

RECEIVER
TJB
Initials

SRG#: 74538 Date: 091410

Project ID: NGEM-TR-FL

Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
 Custody seals on shipping container? Intact Broken Not present N/A
 Is COC Signed by Relinquisher? Yes No Dated? Yes No
 Is sampler name legibly indicated on COC? Yes No
 Is analysis or hold requested for all samples? Yes No
 Is the turnaround time indicated on COC? Yes No
 Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
 Temperature °C 3.2 Therm. ID# TR-5 Initial TJB Date/Time 091410/1608 N/A
 Are there custody seals on sample containers? Intact Broken Not present
 Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 Are there samples matrices other than soil, water, air or carbon? Yes No
 Are any sample containers broken, leaking or damaged? Yes No
 Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 Are preservatives correct for analyses requested? Yes No N/A
 Are samples within holding time for analyses requested? Yes No
 Are the correct sample containers used for the analyses requested? Yes No
 Is there sufficient sample to perform testing? Yes No
 Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix WA Container type 125 poly # of containers received 2
 Matrix _____ Container type _____ # of containers received _____
 Matrix _____ Container type _____ # of containers received _____
 Date and Time Sample Put into Temp Storage Date: 091410 Time: 1609

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
 If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
 Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
 If project ID is listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
 If collection dates are listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
 If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Laboratory Results

Cindy Schreier
PRIMA Environmental, Inc.
5070 Robert J. Mathews Parkway, Ste. 300
El Dorado Hills, CA 95762

Subject : 1 Water Sample
Project Name : NGEM-TRON-FL
Project Number :

Dear Ms. Schreier,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74461

Date : 09/13/2010

Project Name : **NGEM-TRON-FL**

Project Number :

Sample : **SA-189-S6**

Matrix : Water

Lab Number : 74461-01

Sample Date :09/08/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	2.9	1.0	ug/L	EPA 7199	09/09/10 10:01

Report Number : 74461

Date : 09/13/2010

QC Report : Method Blank Data

Project Name : **NGEM-TRON-FL**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	09/09/2010						

Report Number : 74461

Date : 09/13/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NGEM-TRON-FL**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexavalent Chromium	74404-05	7.9	5.00	5.00	13.0	13.3	ug/L	EPA 7199	9/9/10	104	108	1.86	90.0-110	10

Report Number : 74461

Date : 09/13/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TRON-FL**

Project Number :

<u>Parameter</u>	<u>Spike Level</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>	<u>LCS Percent Recov.</u>	<u>LCS Percent Recov. Limit</u>
Hexavalent Chromium	5.00	ug/L	EPA 7199	9/9/10	109	90.0-110



2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

Printed Contract Agreement as per T-1

PRIMA ENVIRONMENTAL, Inc.

5070 Robert J. Mathews Pkwy, Ste 300
El Dorado Hills, CA 95762
PH: 916-939-7300
FAX: 916-939-7398

Project #: _____ P.O. #: _____

Project Name:

NGEM-TRON-FL

Project Address:

California EDF Report? Yes No

Sampling Company Log Code:

Global ID:

E data@primaenvironmental.com

Bin no.

Sampler Print Name:

Sampler Signature:

Sampling

Container

Preservative

Matrix

Date

Time

40 ml VOA

Sleeve

Poly

Glass

Tedlar

HCl

HNO₃

None

Water

Soil

Air

Sample Designation

SA-184-S6

9/8/10

1200

X

X

X

X

X

X

X

X

X

Chain-of-Custody Record and Analysis Request

Analysis Request

CIRCLE METHOD

- MTBE @ 0.5 ppb (EPA 8260B)
- BTEX (EPA 8260B)
- TPH Gas (EPA 8260B)
- 5 Oxygenates (MTBE, DIFE, ETBE, TAME, TBA) (EPA 8260B)
- 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)
- Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)
- Volatile Halocarbons (EPA 8260B)
- Volatile Organics Full List (EPA 8260B)
- Volatile Organics (EPA 524.2 Drinking Water)
- TPH as Diesel (EPA 8015M)
- TPH as Motor Oil (EPA 8015M)
- CAM 17 Metals (EPA 200.7 / 6010)
- 5 Waste Oil Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 6010)
- Mercury (EPA 245.1 / 7470 / 7471)
- Total Lead (EPA 200.7 / 6010)
- W.E.T. Lead (STLC)

X (W/L) 7199

- 12 hr
- 24 hr
- 48 hr
- 72 hr
- 1 wk

For Lab Use Only

01

Remarks:

high conductivity

Relinquished by:	Date	Time	Received by:	Time
<i>Catherine Dujovni</i>	<i>9/8/10</i>			
Relinquished by:	Date	Time	Received by:	Time
Relinquished by:	Date	Time	Received by Laboratory:	Time
	<i>09/08/10</i>	<i>1510</i>	<i>KIFF Analytical LLC</i>	



Laboratory Results

Cindy Schreier
PRIMA Environmental, Inc.
5070 Robert J. Mathews Parkway, Ste. 300
El Dorado Hills, CA 95762

Subject : 1 Water Sample
Project Name : NGEM-TRON-FL
Project Number :

Dear Ms. Schreier,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74590

Date : 09/20/2010

Project Name : **NGEM-TRON-FL**

Project Number :

Sample : **SA-189-S7**

Matrix : Water

Lab Number : 74590-01

Sample Date :09/17/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	5.3	1.0	ug/L	EPA 7199	09/17/10 13:36

Report Number : 74590

Date : 09/20/2010

QC Report : Method Blank Data

Project Name : **NGEM-TRON-FL**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	09/17/2010						

Report Number : 74590

Date : 09/20/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NGEM-TRON-FL**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexavalent Chromium	74574-01	< 1.0	5.00	5.00	5.28	5.31	ug/L	EPA 7199	9/17/10	104	104	0.531	90.0-110	10

Report Number : 74590

Date : 09/20/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TRON-FL**

Project Number :

<u>Parameter</u>	<u>Spike Level</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>	<u>LCS Percent Recov.</u>	<u>LCS Percent Recov. Limit</u>
Hexavalent Chromium	5.00	ug/L	EPA 7199	9/17/10	105	90.0-110



2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

74590

SRG # / Lab No.

Page

of

Project Contact (Hardcopy or PDF To):

PRIMA ENVIRONMENTAL, Inc.

5070 Robert J. Mathews Pkwy, Ste 300

El Dorado Hills, CA 95762

PH: 916-939-7300

FAX: 916-939-7398

California EDF Report? Yes No

Sampling Company Log Code:

Global ID:

EDF data@primaenvironmental.com

Bill to:

Sampler Print Name:

Sampler Signature: *CD*

Project Address:

NGEM-TRON-FL

Sampling

Container

Preservative

Matrix

Sample Designation

SA-189-87

Date

9/17/10

Time

1030

40 ml VOA

Sieve

Poly

X

Glass

Tedlar

HCl

HNO₃

None

X

Water

X

Soil

Air

Chain-of-Custody Record and Analysis Request

Analysis Request

CIRCLE METHOD

MTBE @ 0.5 ppb (EPA 8260B)

BTEX (EPA 8260B)

TPH Gas (EPA 8260B)

5 Oxygenates (MTBE, DIFE, ETBE, TAME, TBA) (EPA 8260B)

7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)

Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)

Volatile Halocarbons (EPA 8260B)

Volatile Organics Full List (EPA 8260B)

Volatile Organics (EPA 524.2 Drinking Water)

TPH as Diesel (EPA 8015M)

TPH as Motor Oil (EPA 8015M)

CAM 17 Metals (EPA 200.7 / 6010)

5 Waste Oil Metals (Cd,Cr,NI,Pb,Zn) (EPA 200.7 / 6010)

Mercury (EPA 245.1 / 7470 / 7471)

Total Lead (EPA 200.7 / 6010)

W.E.T. Lead (STLC)

X *Cr(VI) 7199*

TAT 12 hr 24 hr 48hr 72hr 1 wk

For Lab Use Only

01

Remarks:

Relinquished by:	Date	Time	Received by:
<i>Adhem Ryzoni</i>	9/17/10		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	09/17/10	1030	<i>Keith Analytical</i>

SAMPLE RECEIPT CHECKLIST

RECEIVER
Gay
Initials

SRG#: 74590 Date: 091710

Project ID: NGEM-TRON-FL

Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
 Custody seals on shipping container? Intact Broken Not present N/A
 Is COC Signed by Relinquisher? Yes No Dated? Yes No
 Is sampler name legibly indicated on COC? Yes No
 Is analysis or hold requested for all samples? Yes No
 Is the turnaround time indicated on COC? Yes No
 Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

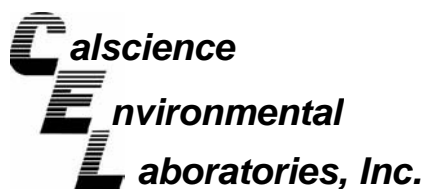
Sample Inspection

Coolant Present: Yes No (includes water)
 Temperature °C 6.6 Therm. ID# 1R-5 Initial Gay Date/Time 091710 1210 N/A
 Are there custody seals on sample containers? Intact Broken Not present
 Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 Are there samples matrices other than soil, water, air or carbon? Yes No
 Are any sample containers broken, leaking or damaged? Yes No
 Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 Are preservatives correct for analyses requested? Yes No N/A
 Are samples within holding time for analyses requested? Yes No
 Are the correct sample containers used for the analyses requested? Yes No
 Is there sufficient sample to perform testing? Yes No
 Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No
 Receipt Details
 Matrix WA Container type Poly # of containers received 1
 Matrix _____ Container type _____ # of containers received _____
 Matrix _____ Container type _____ # of containers received _____
 Date and Time Sample Put into Temp Storage Date: 091710 Time: 1212

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
 If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
 Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
 If project ID is listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
 If collection dates are listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
 If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Supplemental Report 1

September 08, 2010

Additional requested analyses are reported as a stand-alone report.

Cindy Schreier
Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Subject: **CalScience Work Order No.: 10-07-2290**
Client Reference: NGEM-TRON-F1

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/30/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stearns", is written over a horizontal line.

CalScience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 07/30/10
Work Order No: 10-07-2290
Preparation: N/A
Method: EPA 9060A

Project: NGEM-TRON-F1

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NGEM-TRON-F1-RSAM-6	10-07-2290-1-A	07/28/10 16:00	Solid	TOC 5	N/A	09/03/10 18:17	A0903TOCL1

-Results are reported on a dry weight basis.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	5000	530	1		mg/kg

NGEM-TRON-F1-RSAM-5	10-07-2290-2-A	07/28/10 16:00	Solid	TOC 5	N/A	09/03/10 18:17	A0903TOCL1
---------------------	----------------	-------------------	-------	-------	-----	-------------------	------------

-Results are reported on a dry weight basis.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	7600	550	1		mg/kg

NGEM-TRON-F1-SA-179	10-07-2290-3-A	07/28/10 16:00	Solid	TOC 5	N/A	09/03/10 18:17	A0903TOCL1
---------------------	----------------	-------------------	-------	-------	-----	-------------------	------------

-Results are reported on a dry weight basis.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	7800	540	1		mg/kg

NGEM-TRON-F1-SA-189	10-07-2290-4-A	07/28/10 16:00	Solid	TOC 5	N/A	09/03/10 18:17	A0903TOCL1
---------------------	----------------	-------------------	-------	-------	-----	-------------------	------------

-Results are reported on a dry weight basis.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	5900	530	1		mg/kg

Method Blank	099-06-013-521	N/A	Solid	TOC 5	N/A	09/03/10 18:17	A0903TOCL1
--------------	----------------	-----	-------	-------	-----	-------------------	------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	ND	500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 07/30/10
Work Order No: 10-07-2290
Preparation: N/A
Method: ASTM D-2216 (M)

Project: NGEM-TRON-F1

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NGEM-TRON-F1-RSAM-6	10-07-2290-1-A	07/28/10 16:00	Solid	N/A	09/04/10	09/04/10 15:00	A0904MOIB2

Parameter	Result	RL	DF	Qual	Units
Moisture	5.20	0.100	1		%

NGEM-TRON-F1-RSAM-5	10-07-2290-2-A	07/28/10 16:00	Solid	N/A	09/04/10	09/04/10 15:00	A0904MOIB2
---------------------	----------------	-------------------	-------	-----	----------	-------------------	------------

Parameter	Result	RL	DF	Qual	Units
Moisture	8.30	0.100	1		%

NGEM-TRON-F1-SA-179	10-07-2290-3-A	07/28/10 16:00	Solid	N/A	09/04/10	09/04/10 15:00	A0904MOIB2
---------------------	----------------	-------------------	-------	-----	----------	-------------------	------------

Parameter	Result	RL	DF	Qual	Units
Moisture	7.90	0.100	1		%

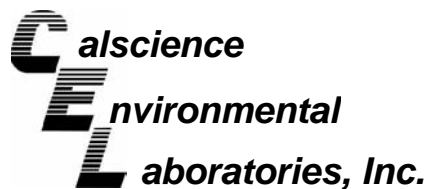
NGEM-TRON-F1-SA-189	10-07-2290-4-A	07/28/10 16:00	Solid	N/A	09/04/10	09/04/10 15:00	A0904MOIB2
---------------------	----------------	-------------------	-------	-----	----------	-------------------	------------

Parameter	Result	RL	DF	Qual	Units
Moisture	5.40	0.100	1		%

Method Blank	099-05-014-2,186	N/A	Solid	N/A	09/04/10	09/04/10 15:00	A0904MOIB2
--------------	------------------	-----	-------	-----	----------	-------------------	------------

Parameter	Result	RL	DF	Qual	Units
Moisture	ND	0.100	1		%

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

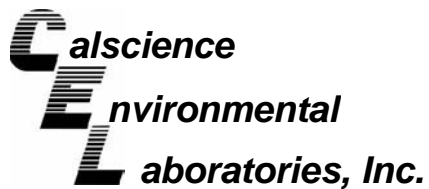
Date Received: 07/30/10
Work Order No: 10-07-2290
Preparation: N/A
Method: EPA 9060A

Project NGEM-TRON-F1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0004-13	Solid	TOC 5	N/A	09/03/10	A0903TOCS1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	103	100	75-125	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 07/30/10
Work Order No: 10-07-2290
Preparation: N/A
Method: ASTM D-2216 (M)

Project: NGEM-TRON-F1

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
NGEM-TRON-F1-RSAM-5	Solid	N/A	09/04/10	09/04/10	A0904M0ID2

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Moisture	8.30	8.50	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Prima Environmental
 5070 Robert J. Mathews Pkwy, Ste. 300
 El Dorado Hills, CA 95762-5702

Date Received: N/A
 Work Order No: 10-07-2290
 Preparation: N/A
 Method: EPA 9060A

Project: NGEM-TRON-F1

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-06-013-521	Solid	TOC 5	09/03/10	NONE	A0903TOCL1

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	6000	5960	99	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 10-07-2290

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



FedEx Express **US Airbill**

FedEx Tracking Number

8704 0156 2203

1 From This portion can be removed for Recipient's records.

Date 07/29/10 FedEx Tracking Number 870401562203

Sender's Name CINDY SCHREIER Phone 916 939-7300

Company PRIMA ENVIRONMENTAL, INC.

Address 5070 ROBERT J MATHEWS PKY

City EL DORADO HILLS State CA ZIP 95762-5767

2 Your Internal Billing Reference NGEM-TRON-F1

3 To Recipient's Name SAMPLE RECEIVING Phone 714 895-5494

Company CALSCIENCE ENVIRON HOLD Saturday
 Print FedEx location address below.
 For FedEx location address below,
 use only the code for
 FedEx First Overnight
 and FedEx 2Day to destinations.

Address 7440 LINCOLN WAY
 We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address GARDEN GROVE State CA ZIP 92841
 Print FedEx location address here if HOLD option is selected.

0409010611



8704 0156 2203

fedex.com 1.800.GoFedEx 1.800.463.3339

RECIPIENT: PEEL HERE

215 Recipient's Copy

4a Express Package Service *To most locations.
 FedEx Priority Overnight Next business morning, Friday shipments will be delivered on Monday unless 3rd DAY Delivery is selected.
 FedEx 2Day Second business day, Thursday unless SATURDAY Delivery is selected.
 FedEx Express Saver Third business day, Saturday Delivery NOT available.
 FedEx Standard Overnight Next business afternoon, Saturday Delivery NOT available.
 Packages up to 150 lbs.
 FedEx First Overnight Earliest next business morning Saturday Delivery NOT available.

4b Express Freight Service *To most locations.
 FedEx 1Day Freight Shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 2Day Freight Packages shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 3Day Freight Third business day, Saturday Delivery NOT available.
 Packages over 150 lbs.
 FedEx 1Day Freight Booking No.
 FedEx 3Day Freight Third business day, Saturday Delivery NOT available.

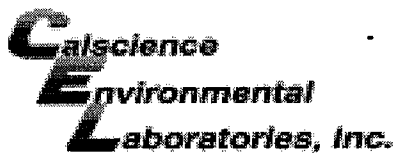
5 Packaging
 FedEx Envelope*
 FedEx Tube
 FedEx Box
 FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.
 *Declared value limit \$500.

6 Special Handling and Delivery Signature Options
 SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 No Signature Required Package may be left without obtaining a signature for delivery.
 Direct Signature Someone at recipient's address may sign for delivery, new applies.
 Indirect Signature If no one is available at recipient's address, someone at a neighboring residential destination only, new applies.
 Does this shipment contain dangerous goods?
 No
 Yes - Yes marked, Shipper's Declaration not required.
 Yes - Yes marked, Shipper's Declaration not required.
 Dry Ice Dry Ice, 9 UN 1845
 Cargo Aircraft Only
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check
 Enter FedEx Acct. No. or Credit Card No. below.
 Obtain Recip. Acct. No.
 Total Packages Total Weight lbs.
 Credit Card Auth.
 553
 Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 2/08/09 #19279 © 1994-2008 FedEx-PRINTED IN U.S.A.-SRS

2290



WORK ORDER #: 10-07-2290

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PRIMA ENVIRONMENTAL INC

DATE: 07/30/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 20.0 °C + 0.5°C (CF) = 20.5 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: [Signature]).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: [Signature]

Sample _____ No (Not Intact) Not Present Initial: [Signature]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® 202 CGJ

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: [Signature]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: [Signature]

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered Scanned by: [Signature]

Bob Stearns

From: Cindy Schreier [cschreier@primaenvironmental.com]
Sent: Friday, September 03, 2010 12:50 PM
To: Bob Stearns
Cc: 'Corinne Ackerman'; 'Chris Brooks'
Subject: please add TOC to anlayte list

Importance: High

Hi Bob,

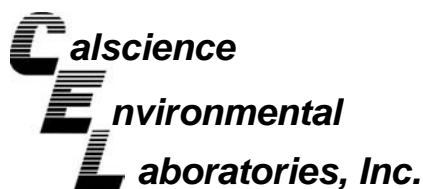
We recently sent you soil samples for Cr(VI) analysis. Can you please also measure TOC in all four samples? Hopefully you still have the soils. If not, let me know and I will send more. The work order was 10-07-2290, project NGEM-Tron. These are the soils that are very high (6 to 3,100 mg/kg) perchlorate. If I could get data by Wed or Thurs, that would be great. If not, please advise. Thanks much,
Cindy

Providing site-specific information so you can make scientifically sound decisions.

Cindy G. Schreier, Ph.D.
President and Chief Scientist
PRIMA Environmental, Inc.
5070 Robert J. Mathews Pkwy, Suite 300
El Dorado Hills, CA 95762
T: 916.939.7300
F: 916.939.7398
www.primaenvironmental.com

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September 21, 2010

Cindy Schreier
Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Subject: **CalScience Work Order No.: 10-09-1240**
Client Reference: NGEM-TR-FL

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/16/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stearns", is written over a horizontal line.

CalScience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 09/16/10
Work Order No: 10-09-1240

Project: NGEM-TR-FL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
RSAM-5-Post Soil	10-09-1240-1	09/15/10	Solid

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

(9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Moisture	15.1	0.100	1		%	09/16/10	09/16/10	ASTM D-2216 (M)
Chromium, Hexavalent (9) (3)	ND	470	10		ug/kg	09/17/10	09/17/10	EPA 7199
Carbon, Total Organic (9)	6200	590	1		mg/kg	N/A	09/17/10	EPA 9060A

RSAM-6-Post Soil	10-09-1240-2	09/15/10	Solid
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Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

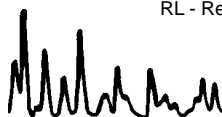
(9) Results are reported on a dry weight basis.

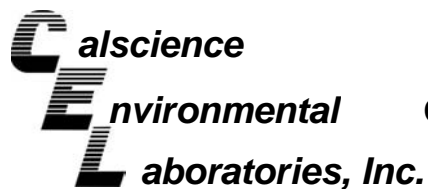
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Moisture	13.3	0.100	1		%	09/16/10	09/16/10	ASTM D-2216 (M)
Chromium, Hexavalent (9) (3)	ND	460	10		ug/kg	09/17/10	09/17/10	EPA 7199
Carbon, Total Organic (9)	4700	580	1		mg/kg	N/A	09/17/10	EPA 9060A

Method Blank	N/A	Solid
---------------------	------------	--------------

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Moisture	ND	0.100	1		%	09/16/10	09/16/10	ASTM D-2216 (M)
Chromium, Hexavalent	ND	40	1		ug/kg	09/17/10	09/17/10	EPA 7199
Carbon, Total Organic	ND	500	1		mg/kg	N/A	09/17/10	EPA 9060A

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

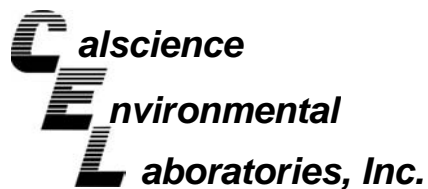
Date Received: N/A
Work Order No: 10-09-1240

Project: NGEM-TR-FL

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	EPA 7199	RSAM-6-Post Soil	09/17/10	9/17/10	101	100	75-125	1	0-25	
Carbon, Total Organic	EPA 9060A	RSAM-6-Post Soil	09/17/10	N/A	100	100	75-125	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: N/A
Work Order No: 10-09-1240

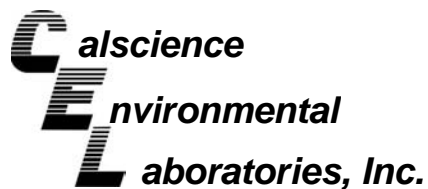
Project: NGEM-TR-FL

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Moisture	ASTM D-2216 (M)	10-09-1014-1	09/16/10	78.1	77.8	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 . FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: N/A
Work Order No: 10-09-1240

Project: NGEM-TR-FL

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chromium, Hexavalent	EPA 7199	099-05-125-2,187	09/17/10	09/17/10	100	99	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Prima Environmental
 5070 Robert J. Mathews Pkwy, Ste. 300
 El Dorado Hills, CA 95762-5702

Date Received: N/A
 Work Order No: 10-09-1240

Project: NGEM-TR-FL

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc. Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 9060A	099-06-013-522	09/17/10	N/A	6000	5800	97	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 10-09-1240

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 9/15/10 FedEx Tracking Number 873886658420

Sender's Name CINDY BOMBLER Phone 714 249-7300

Company PRIMA ENVIRONMENTAL, INC

Address 5070 ROBERT J MATHERS PKWY
Dept./Floor/Suite/Room

City EL DORADO HILLS State CA ZIP 95762-5767

2 Your Internal Billing Reference NGEM-TR-FL

3 To Recipient's Name SARALE BALEVINO Phone 714 249-5493

Company CAL-SCIENCE ENVIRONMENTAL

Address 7440 LINCOLN WAY
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City GARDEN GROVE State CA ZIP 92741

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.



8738 8665 8420

4a Express Package Service * To most locations. Packages up to 150

FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight
Next business afternoon. Saturday Delivery NOT available.

FedEx First Overnight
Earliest next business morning delivery to select locations.*

FedEx 2Day
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver
Third business day. Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150

FedEx 1Day Freight
Next business day. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 2Day Freight
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 3Day Freight
Third business day. Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.

FedEx Envelope* **FedEx Pak***
Includes FedEx Small Pak and FedEx Large Pak. **FedEx Box** **FedEx Tube**

6 Special Handling and Delivery Signature Options

SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.

No Signature Required
Package may be left without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature
If no one is available at recipient's address, someone at a neighbor's address may sign for delivery. For residential deliveries only. Fee app.

Does this shipment contain dangerous goods?

No **Yes** As per attached Shipper's Declaration. **Yes** Shipper's Declaration not required.

Dry Ice
Dry Ice, 9, UN 1845 x kg

Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

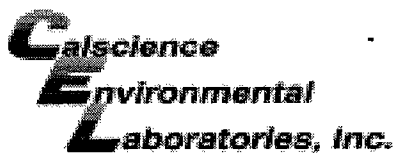
7 Payment Bill to:

Sender Enter FedEx Acct. No. or Credit Card No. below. **Recipient** **Third Party** **Credit Card** **Cash/Ch**

Obtain recip. Acct. No. []

Total Packages 1 Total Weight 3 lbs. Credit Card Auth. []

1240



WORK ORDER #: 10-09-1240

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Prima

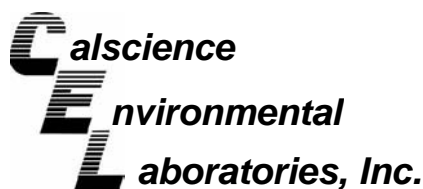
DATE: 09/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)
Temperature 21.6°C + 0.5°C (CF) = 22.1°C
Sample(s) outside temperature criteria (PM/APM contacted by: JP)
Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: Air Filter Initial: JP

CUSTODY SEALS INTACT:
Cooler No (Not Intact) Not Present N/A Initial: JP
Sample No (Not Intact) Not Present Initial: JS

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples... Yes No N/A
COC document(s) received complete...
Collection date/time, matrix, and/or # of containers logged in based on sample labels.
No analysis requested. Not relinquished. No date/time relinquished.
Sampler's name indicated on COC...
Sample container label(s) consistent with COC...
Sample container(s) intact and good condition...
Proper containers and sufficient volume for analyses requested...
Analyses received within holding time...
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours...
Proper preservation noted on COC or sample container...
Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace...
Tedlar bag(s) free of condensation...

CONTAINER TYPE:
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve () EnCores TerraCores
Water: VOA VOAh VOAna2 125AGB 125AGBh 125AGBp 1AGB 1AGBna2 1AGBs
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna
250PB 250PBn 125PB 125PBzanna 100PJ 100PJna2
Air: Tedlar Summa Other: Trip Blank Lot#: Labeled/Checked by:
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by:
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 zanna: ZnAc2+NaOH f: Field-filtered Scanned by:



September 23, 2010

Cindy Schreier
Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Subject: **CalScience Work Order No.: 10-09-1448**
Client Reference: NGEM-TR-FL

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/18/2010 and analyzed in accordance with the attached chain-of-custody.

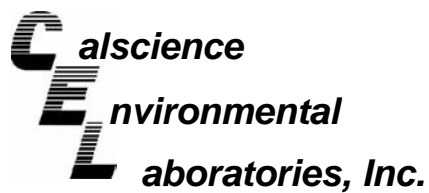
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stearns", is written over a horizontal line.

CalScience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager



Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: EPA 3060A
Method: EPA 7199

Project: NGEM-TR-FL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NGEM-TR-FL SA-189-Post Soil	10-09-1448-1-A	09/17/10 11:15	Solid	IC 11	09/18/10	09/18/10 13:19	100918L01

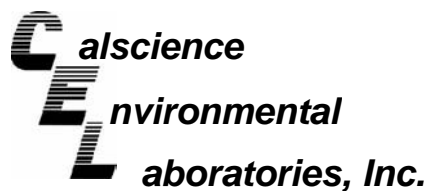
Comment(s): -The reporting limit is elevated resulting from matrix interference.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Chromium, Hexavalent	ND	400	10		ug/kg

Method Blank	099-05-125-2,188	N/A	Solid	IC 11	09/18/10	09/18/10 10:18	100918L01
--------------	------------------	-----	-------	-------	----------	-------------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Chromium, Hexavalent	ND	40	1		ug/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: N/A
Method: EPA 9060A

Project: NGEM-TR-FL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NGEM-TR-FL SA-189-Post Soil	10-09-1448-1-A	09/17/10 11:15	Solid	TOC 5	N/A	09/21/10 12:52	A0921TOCL1

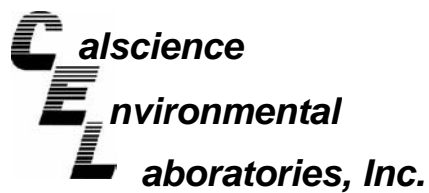
-Results are reported on a dry weight basis.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	9200	580	1		mg/kg

Method Blank	099-06-013-523	N/A	Solid	TOC 5	N/A	09/21/10 12:52	A0921TOCL1
--------------	----------------	-----	-------	-------	-----	-------------------	------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Carbon, Total Organic	ND	500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: N/A
Method: ASTM D-2216 (M)

Project: NGEM-TR-FL

Page 1 of 1

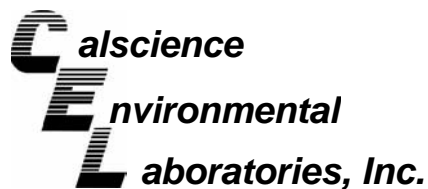
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NGEM-TR-FL SA-189-Post Soil	10-09-1448-1-A	09/17/10 11:15	Solid	N/A	09/21/10	09/22/10 11:00	A0922MOIB1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Moisture	14.0	0.100	1		%

Method Blank	099-05-014-2,243	N/A	Solid	N/A	09/21/10	09/22/10 11:00	A0922MOIB1
--------------	------------------	-----	-------	-----	----------	-------------------	------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Moisture	ND	0.100	1		%

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

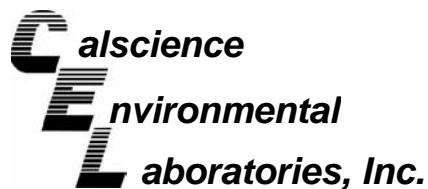
Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: EPA 3060A
Method: EPA 7199

Project NGEM-TR-FL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
NGEM-TR-FL SA-189-Post Soil	Solid	IC 11	09/18/10	09/18/10	100918S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	93	96	75-125	3	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

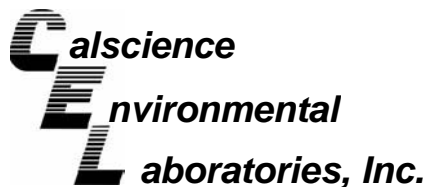
Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: N/A
Method: EPA 9060A

Project NGEM-TR-FL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
NGEM-TR-FL SA-189-Post Soil	Solid	TOC 5	N/A	09/21/10	A0921TOCS1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	87	89	75-125	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

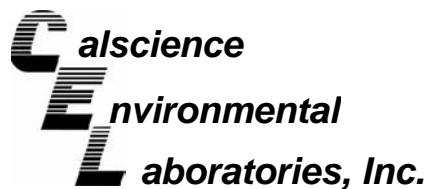
Date Received: 09/18/10
Work Order No: 10-09-1448
Preparation: N/A
Method: ASTM D-2216 (M)

Project: NGEM-TR-FL

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
10-09-1312-16	Solid	N/A	09/21/10	09/22/10	A0922M01D1

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Moisture	9.10	9.40	3	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Prima Environmental
5070 Robert J. Mathews Pkwy, Ste. 300
El Dorado Hills, CA 95762-5702

Date Received: N/A
Work Order No: 10-09-1448
Preparation: EPA 3060A
Method: EPA 7199

Project: NGEM-TR-FL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-125-2,188	Solid	IC 11	09/18/10	09/18/10	100918L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	100	101	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Prima Environmental
 5070 Robert J. Mathews Pkwy, Ste. 300
 El Dorado Hills, CA 95762-5702

Date Received: N/A
 Work Order No: 10-09-1448
 Preparation: N/A
 Method: EPA 9060A

Project: NGEM-TR-FL

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-06-013-523	Solid	TOC 5	09/21/10	NONE	A0921TOCL1

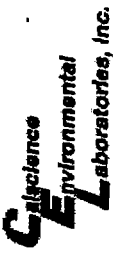
Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	6000	6100	102	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 10-09-1448

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: _____
 PAGE: 1 OF 1

LABORATORY CLIENT: CINDY SCHREIER		CLIENT PROJECT NAME / NUMBER: N6EM-TR-FL		P.O. NO.:			
PRIMA ENVIRONMENTAL, Inc. 5070 Robert J. Mathews Pkwy, Ste 300 El Dorado Hills, CA 95762 PH: 916-939-7300 FAX: 916-939-7398 data@primaenvironmental.com		PROJECT CONTACT: Cindy Schreier SAMPLER(S): (SIGNATURE) 		QUOTE NO.:			
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL ____ / ____ / ____ SPECIAL INSTRUCTIONS		REQUESTED ANALYSIS Please list tests required		LAB USE ONLY 0 9 1 4 4 8			
LAB USE ONLY N6EM-TR-FL - SA-189-Post Soil				LOCATION/ DESCRIPTION		SAMPLING DATE TIME	
				Matrix		#Cont	
Received by: (Signature) 		Received by: (Signature) Fed EX		Date: 9/17/10 Time: ~1430			
Received by: (Signature)		Received by: (Signature)		Date: 9/18/10 Time: 9:35			
Received by: (Signature)		Received by: (Signature)		Date: 9/18/10 Time: 9:35			

09 - 1448

FedEx US Airbill
Express

FedEx
Tracking
Number

8704 0156 2258



RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.
Date 9/17/10 FedEx Tracking Number 870401562258

Sender's Name CINDY SCHREIER Phone 916 939-7300

Company PRIMA ENVIRONMENTAL, INC.

Address 5070 ROBERT J MATHEWS PKY Dept./Floor/Suite/Room

City EL DORADO HILLS State CA ZIP 95762-5767

2 Your Internal Billing Reference N6E11-TR-FL

3 To
Recipient's Name SAMPLE RECEIVING Phone 714 895-5494

Company CALSCIENCE ENVIRON **HOLD Weekday** Print FedEx location address below. NOT available for FedEx First Overnight. **HOLD Saturday** Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 7440 LINCOLN WAY Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Print FedEx location address here if HOLD option is selected.

City GARDEN GROVE State CA ZIP 92841

0409010611



8704 0156 2258

4a Express Package Service *To most locations. Packages up to 150 lbs.
 FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. **FedEx Standard Overnight** Next business afternoon.* Saturday Delivery NOT available. **FedEx First Overnight** Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. **FedEx Express Saver** Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150 lbs.
 FedEx 1Day Freight Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No. **FedEx 2Day Freight** Next business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. **FedEx 3Day Freight** Third business day.** Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.
 FedEx Envelope* **FedEx Pak*** Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. **FedEx Box** **FedEx Tube** **Other**

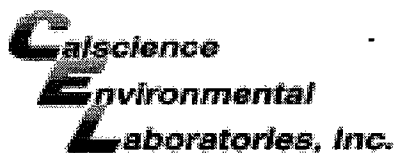
6 Special Handling and Delivery Signature Options
 SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 No Signature Required Package may be left without obtaining a signature for delivery. **Direct Signature** Someone at recipient's address may sign for delivery. Fee applies. **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked. **No** **Yes** As per attached Shipper's Declaration. **Yes** Shipper's Declaration not required. **Dry Ice** Dry ice, 9, UN 1845 _____ x _____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. **Cargo Aircraft Only**

7 Payment Bill to: Obtain Recip. Acct. No.
 Sender Acct. No. in Section 1 will be billed. **Recipient** **Third Party** **Credit Card** **Cash/Check**

Total Packages 1 Total Weight 4 lbs. Credit Card Auth.

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details. **553**



WORK ORDER #: 10-09-1448

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Prima Environmental

DATE: 09/18/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)
Temperature 22.1°C + 0.5°C (CF) = 22.6°C
Sample(s) outside temperature criteria (PM/APM contacted by: [signature]).
Received at ambient temperature, placed on ice for transport by Courier.

CUSTODY SEALS INTACT:
Cooler [] No (Not Intact) [x] Not Present
Sample [] No (Not Intact) [x] Not Present

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples [x]
COC document(s) received complete [x]
Sampler's name indicated on COC [x]
Sample container label(s) consistent with COC [x]
Sample container(s) intact and good condition [x]
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours [x]

CONTAINER TYPE:
Solid: [x] 8ozCGJ
Water: [] VOA [] VOA h [] VOA na2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna2 [] 1AGBs
Air: [] Tedlar [] Summa Other: [] Trip Blank Lot#: [] Labeled/Checked by: [signature]



August 10, 2010

PRIMA Environmental
Attn: Cindy Schreier
5070 Robert J Mathews #300
El Dorado Hills, CA 95762

STL Project No: **10-219**
Subject: **NGEM-TR-FL**
Project No: -
Invoice No: **7953**

LABORATORY TEST RESULTS

Dear Ms. Schreier:

As requested, Sierra Testing Laboratories, Inc. performed laboratory testing on **four samples** of material from the subject site. The samples were identified as:

1. **RSAM-6**
2. **RSAM-5**
3. **SA-189**
4. **SA-179**

Our laboratory received the samples on **July 22, 2010**. The tests performed on the submitted samples were as follows:

1. **Moisture Content (D2216)**
2. **Hydrometer with coarse & fine sieve analysis (D422, T27, T88)**
3. **Specific Gravity (D854, T100)**

The results of the above referenced testing are presented on the attached figure(s).

We appreciate the opportunity to be of service to you on this project and look forward to providing additional service, as needed, in the future.

Should you have any questions or require additional information, please contact our office at your convenience.

Respectfully submitted,

Michael Nagel
Project Manager

Enclosures/jm

MOISTURE CONTENT & UNIT WEIGHT TEST RESULTS

<u>Sample Identification</u>	<u>Depth, ft.</u>	<u>Wet Unit Weight, lb/ft.³</u>	<u>Dry Unit Weight, lb/ft.³</u>	<u>Moisture Content, %</u>
SA-179				7.0
SA-189				4.7
RSAM-5				8.3
RSAM-6				8.2

Test Method: ASTM D2216, ASTM D2937

PROJECT NUMBER:	10-219	July 22, 2010
------------------------	---------------	---------------

NGEM-TR-FL



5040 Robert J. Mathews Blvd., El Dorado Hills, CA 95762
 Phone: (916) 939-3460 FAX: (916) 939-3507

SOIL SPECIFIC GRAVITY

Sample Identification

RSAM-6
RSAM-5
SA-189
SA-179

Specific Gravity

2.66
2.66
2.62
2.63

Test Method: ASTM D854

PROJECT NUMBER:

10-219

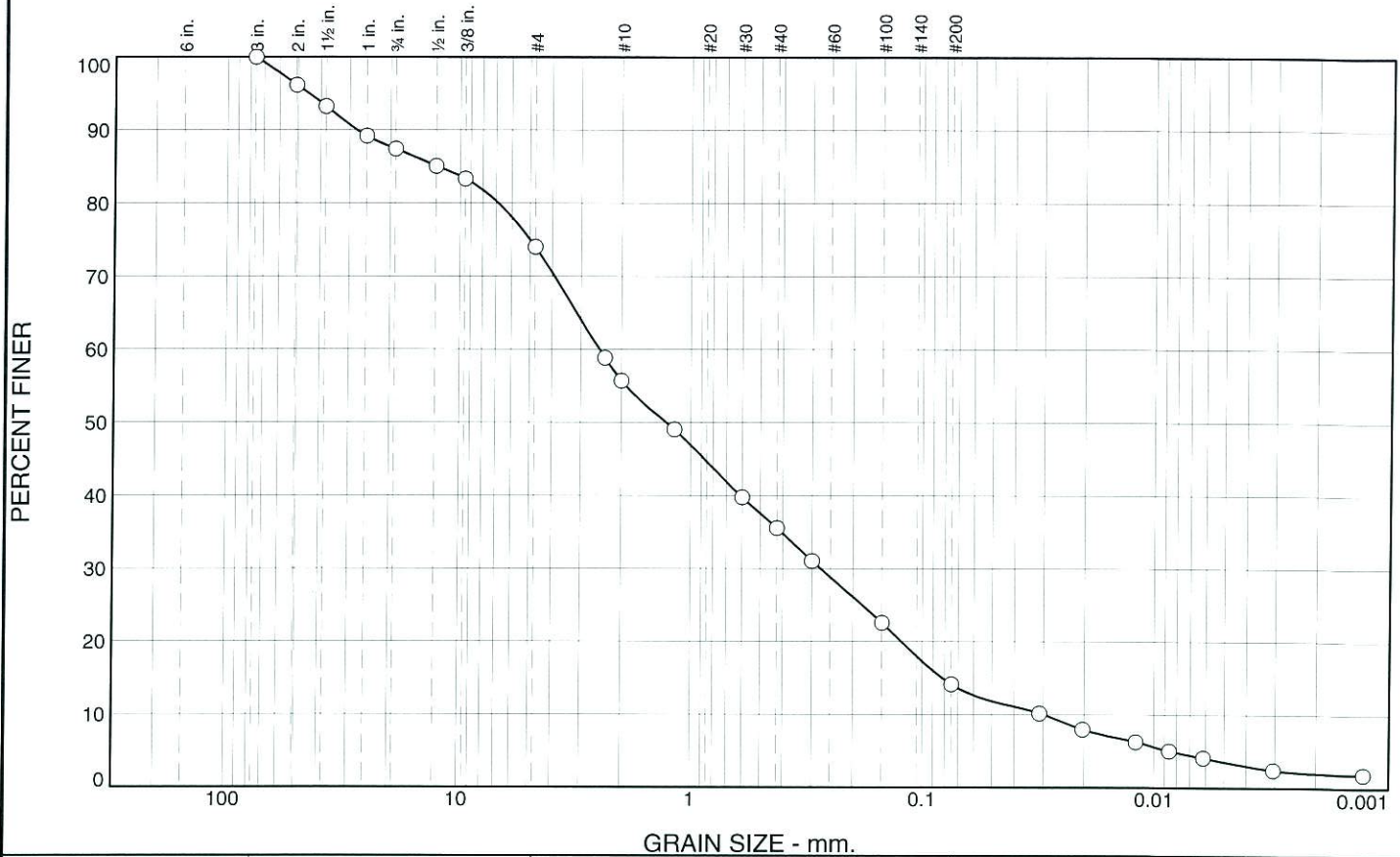
July 22, 2010

NGEM-TR-FL


SIERRA TESTING LABORATORIES, INC.
GEOTECHNICAL AND MATERIALS TESTING SERVICES

5040 Robert J. Mathews Blvd., El Dorado Hills, CA 95762
Phone: (916) 939-3460 FAX: (916) 939-3507

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	12.6	13.4	18.3	20.1	21.4	10.6	3.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3 Inch	100.0		
2 Inch	96.2		
1 1/2 Inch	93.2		
1 Inch	89.2		
3/4 Inch	87.4		
1/2 Inch	85.1		
3/8 Inch	83.4		
#4	74.0		
#8	58.8		
#10	55.7		
#16	49.0		
#30	39.8		
#40	35.6		
#50	31.1		
#100	22.6		
#200	14.2		
0.0312 mm.	10.2		
0.0203 mm.	8.0		
0.0120 mm.	6.3		
0.0086 mm.	5.1		
0.0061 mm.	4.1		
0.0031 mm.	2.4		
0.0013 mm.	1.9		

Soil Description

PL= **Atterberg Limits** PI=

LL= **Coefficients** D₆₀= 2.4949

D₉₀= 27.9644 D₈₅= 12.4925 D₁₅= 0.0820

D₅₀= 1.2796 D₃₀= 0.2756 C_c= 1.02

D₁₀= 0.0300 C_u= 83.29

USCS= **Classification** AASHTO=

Remarks

* (no specification provided)

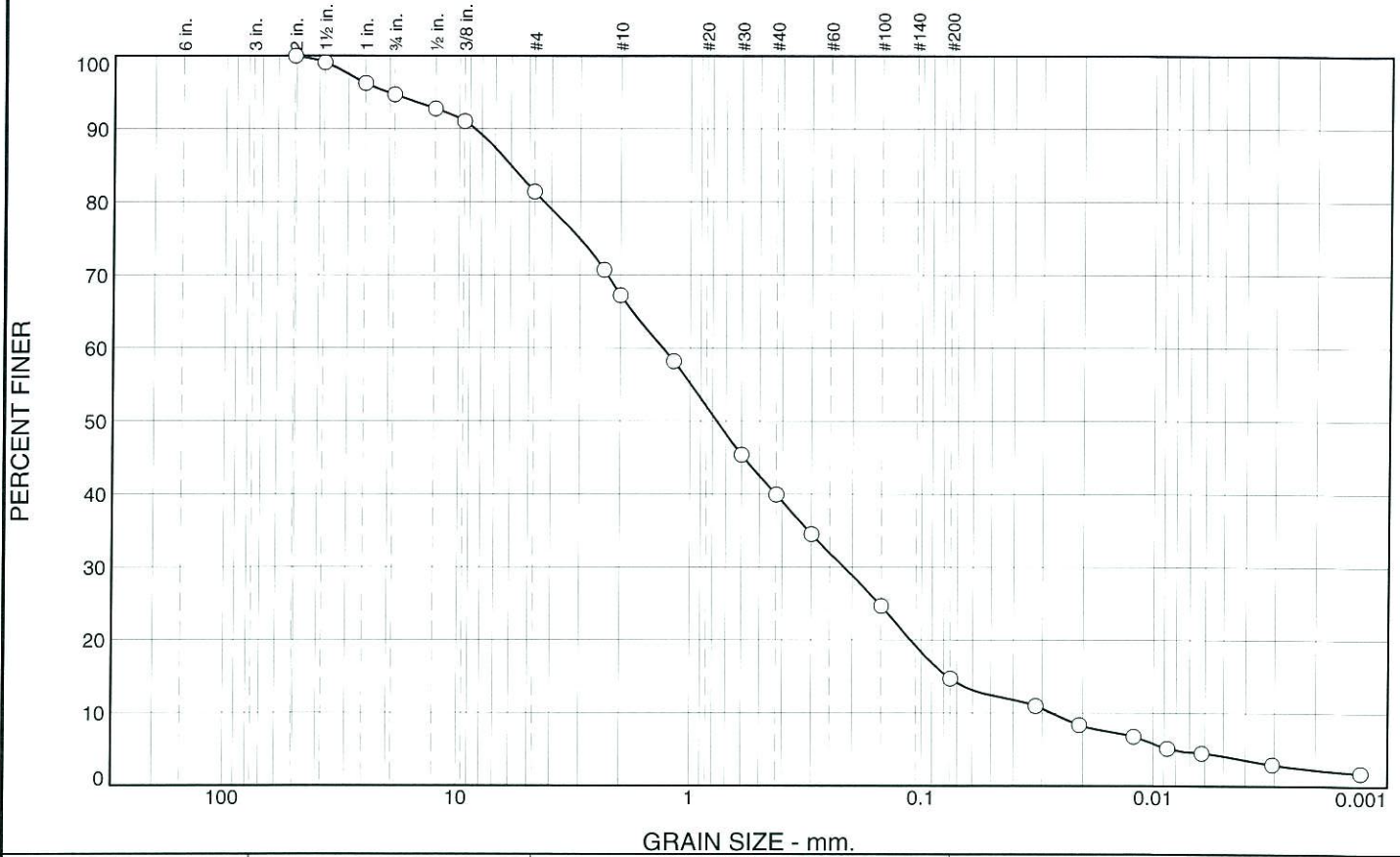
Location: SA-179
Sample Number: S23123

Date: 7/22/10

SIERRA TESTING LABS, INC. El Dorado Hills, CA	Client: PRIMA Environmental Project: NGEM-TR-FL Project No: 10-219
Figure	

Tested By: stu/cm **Checked By:** mn

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	5.3	13.3	14.1	27.4	25.2	10.6	4.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2 Inch	100.0		
1 1/2 Inch	99.1		
1 Inch	96.2		
3/4 Inch	94.7		
1/2 Inch	92.8		
3/8 Inch	91.0		
#4	81.4		
#8	70.7		
#10	67.3		
#16	58.2		
#30	45.4		
#40	39.9		
#50	34.5		
#100	24.7		
#200	14.7		
0.0320 mm.	11.0		
0.0208 mm.	8.4		
0.0122 mm.	6.8		
0.0087 mm.	5.1		
0.0062 mm.	4.5		
0.0031 mm.	2.9		
0.0013 mm.	1.8		

* (no specification provided)

Soil Description

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 8.5782 D₈₅= 6.0004 D₆₀= 1.3121

D₅₀= 0.7678 D₃₀= 0.2178 D₁₅= 0.0772

D₁₀= 0.0272 C_u= 48.27 C_c= 1.33

Classification

USCS= AASHTO=

Remarks

Location: SA-189
Sample Number: S23122

Date: 7/22/10

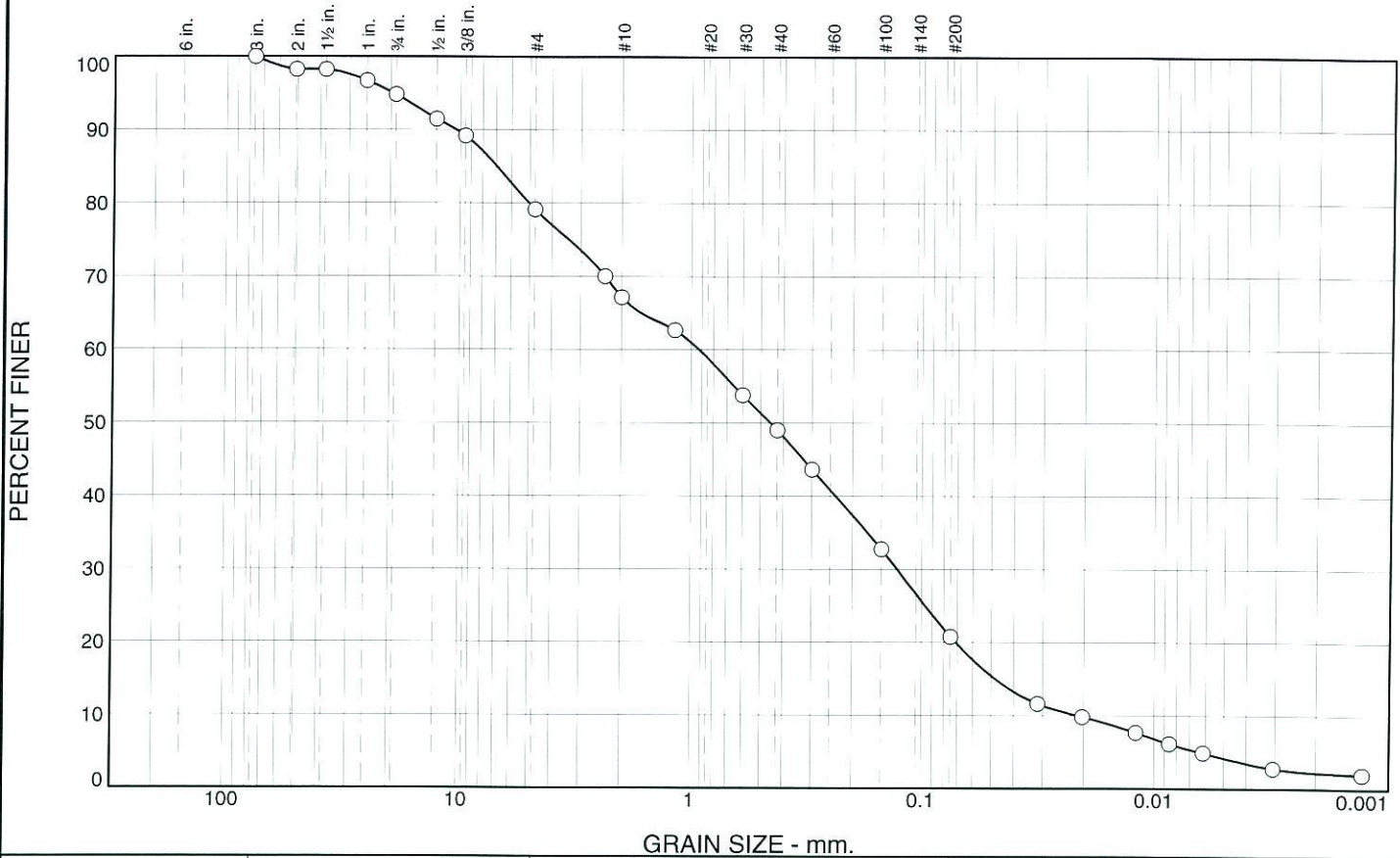
**SIERRA
 TESTING LABS, INC.
 El Dorado Hills, CA**

Client: PRIMA Environmental
Project: NGEM-TR-FL
Project No: 10-219

Figure

Tested By: stu **Checked By:** mn

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	5.2	15.6	12.1	18.1	28.2	16.6	4.2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3 Inch	100.0		
2 Inch	98.2		
1 1/2 Inch	98.2		
1 Inch	96.7		
3/4 Inch	94.8		
1/2 Inch	91.5		
3/8 Inch	89.2		
#4	79.2		
#8	70.0		
#10	67.1		
#16	62.7		
#30	53.8		
#40	49.0		
#50	43.7		
#100	32.8		
#200	20.8		
0.0316 mm.	11.6		
0.0203 mm.	9.8		
0.0120 mm.	7.7		
0.0086 mm.	6.2		
0.0061 mm.	4.9		
0.0031 mm.	2.8		
0.0013 mm.	2.0		

* (no specification provided)

Soil Description

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 10.4216 D₈₅= 6.9506 D₆₀= 0.9234
D₅₀= 0.4549 D₃₀= 0.1280 D₁₅= 0.0480
D₁₀= 0.0213 C_u= 43.44 C_c= 0.84

Classification

USCS= AASHTO=

Remarks

Location: RSAM-5
Sample Number: S23121

Date: 7/22/10

**SIERRA
TESTING LABS, INC.
El Dorado Hills, CA**

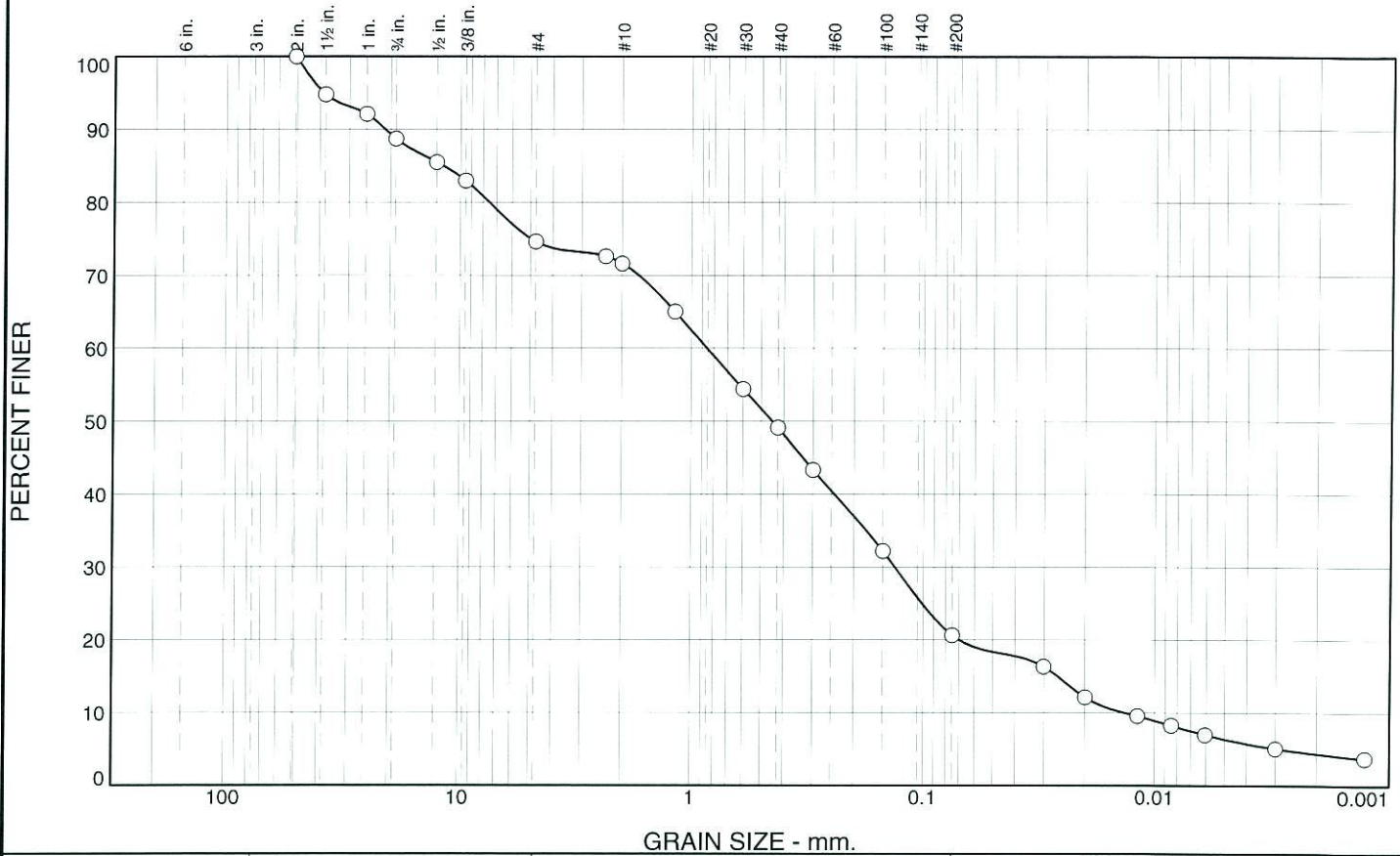
Client: PRIMA Environmental
Project: NGEM-TR-FL

Project No: 10-219

Figure

Tested By: stu **Checked By:** mn

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	11.3	14.1	3.0	22.4	28.5	14.3	6.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2 Inch	100.0		
1 1/2 Inch	94.8		
1 Inch	92.1		
3/4 Inch	88.7		
1/2 Inch	85.5		
3/8 Inch	83.0		
#4	74.6		
#8	72.6		
#10	71.6		
#16	65.0		
#30	54.4		
#40	49.2		
#50	43.3		
#100	32.2		
#200	20.7		
0.0302 mm.	16.4		
0.0200 mm.	12.2		
0.0118 mm.	9.6		
0.0085 mm.	8.3		
0.0061 mm.	7.0		
0.0030 mm.	5.1		
0.0013 mm.	3.8		

Soil Description

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 21.1204 D₈₅= 11.8485 D₆₀= 0.8556
D₅₀= 0.4483 D₃₀= 0.1329 D₁₅= 0.0262
D₁₀= 0.0134 C_u= 63.64 C_c= 1.54

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

Location: RSAM-6
Sample Number: S23120

Date: 7/22/10

**SIERRA
TESTING LABS, INC.
El Dorado Hills, CA**

Client: PRIMA Environmental
Project: NGEM-TR-FL

Project No: 10-219

Figure

Tested By: cm/ky **Checked By:** js