



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/16/10

Job: NGEM-TR-FL

Perchlorate by Ion Chromatography
EPA Method 314.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: RSAM-5-Post Soil Lab ID: PES10091623-01A Perchlorate Date Sampled 09/15/10 15:55	2,100	200 µg/Kg	09/16/10 11:25	09/16/10
Client ID: RSAM-6-Post Soil Lab ID: PES10091623-02A Perchlorate Date Sampled 09/15/10 15:59	153	20.0 µg/Kg	09/16/10 11:25	09/16/10

Sample results were calculated on a wet weight basis.

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/17/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/16/10

Job: NGEM-TR-FL

Metals by ICPMS
EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: RSAM-5-Post Soil				
Lab ID : PES10091623-01A	Boron (B)	ND	20 mg/Kg	09/16/10 10:23
Date Sampled 09/15/10 15:55	Sodium (Na)	900	100 mg/Kg	09/16/10 10:23
	Magnesium (Mg)	9,600	100 mg/Kg	09/16/10 10:23
	Potassium (K)	2,500	100 mg/Kg	09/16/10 10:23
	Calcium (Ca)	36,000	100 mg/Kg	09/16/10 10:23
	Chromium (Cr)	15	1.0 mg/Kg	09/16/10 10:23
	Manganese (Mn)	330	1.0 mg/Kg	09/16/10 10:23
	Iron (Fe)	18,000	500 mg/Kg	09/16/10 10:23
	Cobalt (Co)	7.0	1.0 mg/Kg	09/16/10 10:23
	Arsenic (As)	3.5	1.0 mg/Kg	09/16/10 10:23
	Lead (Pb)	7.5	1.0 mg/Kg	09/16/10 10:23
Client ID: RSAM-6-Post Soil				
Lab ID : PES10091623-02A	Boron (B)	ND	20 mg/Kg	09/16/10 10:23
Date Sampled 09/15/10 15:59	Sodium (Na)	380	100 mg/Kg	09/16/10 10:23
	Magnesium (Mg)	7,800	100 mg/Kg	09/16/10 10:23
	Potassium (K)	2,600	100 mg/Kg	09/16/10 10:23
	Calcium (Ca)	20,000	100 mg/Kg	09/16/10 10:23
	Chromium (Cr)	13	1.0 mg/Kg	09/16/10 10:23
	Manganese (Mn)	410	1.0 mg/Kg	09/16/10 10:23
	Iron (Fe)	19,000	500 mg/Kg	09/16/10 10:23
	Cobalt (Co)	8.1	1.0 mg/Kg	09/16/10 10:23
	Arsenic (As)	2.5	1.0 mg/Kg	09/16/10 10:23
	Lead (Pb)	8.4	1.0 mg/Kg	09/16/10 10:23

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/20/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
17-Sep-10

QC Summary Report

Work Order:
10091623

Method Blank

Type **MBLK** Test Code: **EPA Method 314.0**

File ID: **17**

Batch ID: **25058**

Analysis Date: **09/16/2010 13:52**

Sample ID: **MB-25058**

Units : **µg/Kg**

Run ID: **IC_3_100916A**

Prep Date: **09/16/2010 11:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	ND	20								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 314.0**

File ID: **15**

Batch ID: **25058**

Analysis Date: **09/16/2010 13:15**

Sample ID: **LCS-25058**

Units : **µg/Kg**

Run ID: **IC_3_100916A**

Prep Date: **09/16/2010 11:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	229	200	250		92	85	115			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 314.0**

File ID: **19**

Batch ID: **25058**

Analysis Date: **09/16/2010 14:29**

Sample ID: **10091623-01AMS**

Units : **µg/Kg**

Run ID: **IC_3_100916A**

Prep Date: **09/16/2010 11:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	2380	2000	250	2098	112	80	120			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 314.0**

File ID: **20**

Batch ID: **25058**

Analysis Date: **09/16/2010 14:47**

Sample ID: **10091623-01AMSD**

Units : **µg/Kg**

Run ID: **IC_3_100916A**

Prep Date: **09/16/2010 11:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	2380	2000	250	2098	112	80	120	2378	0.1(15)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
21-Sep-10

QC Summary Report

Work Order:
10091623

Method Blank

Type: MBLK Test Code: EPA Method SW6020 / SW6020A

File ID: 091510.B\117_M.D\

Batch ID: 25057

Analysis Date: 09/16/2010 16:45

Sample ID: MB-25057

Units : mg/Kg Run ID: ICP/MS_100915C

Prep Date: 09/16/2010 10:23

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	ND	20								
Sodium (Na)	ND	100								
Magnesium (Mg)	ND	100								
Potassium (K)	ND	100								
Calcium (Ca)	ND	100								
Chromium (Cr)	ND	1								
Manganese (Mn)	ND	1								
Iron (Fe)	ND	500								
Cobalt (Co)	ND	1								
Arsenic (As)	ND	1								
Lead (Pb)	ND	1								

Laboratory Control Spike

Type: LCS Test Code: EPA Method SW6020 / SW6020A

File ID: 091510.B\118_M.D\

Batch ID: 25057

Analysis Date: 09/16/2010 16:51

Sample ID: LCS-25057

Units : mg/Kg Run ID: ICP/MS_100915C

Prep Date: 09/16/2010 10:23

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	24.4	20	25		98	80	120			
Sodium (Na)	4910	100	5000	104.3	88	75	125			
Magnesium (Mg)	4940	100	5000	2992	78	75	125			
Potassium (K)	5170	100	5000	882.2	89	75	125			
Calcium (Ca)	5210	100	5000	4185	73	75	125			
Chromium (Cr)	23.7	1	25	8.088	90	75	125			
Manganese (Mn)	259	1	250	210.4	86	75	125			
Iron (Fe)	5530	500	5000	13490	88	75	125			
Cobalt (Co)	24.7	1	25	4.671	95	75	125			
Arsenic (As)	24.5	1	25	32.87	77	75	125			
Lead (Pb)	24	1	25	21.34	74	75	125			

Sample Matrix Spike

Type: MS Test Code: EPA Method SW6020 / SW6020A

File ID: 091510.B\123_SSS.D\

Batch ID: 25057

Analysis Date: 09/16/2010 17:55

Sample ID: 10091423-02AMS

Units : mg/Kg Run ID: ICP/MS_100915C

Prep Date: 09/16/2010 10:23

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	25.3	20	25	0	101	75	125			
Sodium (Na)	4490	100	5000	104.3	88	75	125			
Magnesium (Mg)	6900	100	5000	2992	78	75	125			
Potassium (K)	5350	100	5000	882.2	89	75	125			
Calcium (Ca)	7850	100	5000	4185	73	75	125			M2
Chromium (Cr)	30.7	1	25	8.088	90	75	125			
Manganese (Mn)	427	1	250	210.4	86	75	125			
Iron (Fe)	17900	500	5000	13490	88	75	125			
Cobalt (Co)	28.5	1	25	4.671	95	75	125			
Arsenic (As)	52.1	1	25	32.87	77	75	125			
Lead (Pb)	39.8	1	25	21.34	74	75	125			M2

Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW6020 / SW6020A

File ID: 091510.B\124_SS.D\

Batch ID: 25057

Analysis Date: 09/16/2010 17:44

Sample ID: 10091423-02AMSD

Units : mg/Kg Run ID: ICP/MS_100915C

Prep Date: 09/16/2010 10:23

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	26.6	20	25	0	106	75	125	25.28	5.1(20)	
Sodium (Na)	4690	100	5000	104.3	92	75	125	4487	4.4(20)	
Magnesium (Mg)	7250	100	5000	2992	85	75	125	6897	5.0(20)	
Potassium (K)	5750	100	5000	882.2	97	75	125	5348	7.2(20)	
Calcium (Ca)	8540	100	5000	4185	87	75	125	7846	8.4(20)	
Chromium (Cr)	33.1	1	25	8.088	99.8	75	125	30.7	7.4(20)	
Manganese (Mn)	463	1	250	210.4	101	75	125	426.5	8.1(20)	
Iron (Fe)	19100	500	5000	13490	113	75	125	17900	6.6(20)	
Cobalt (Co)	30.6	1	25	4.671	104	75	125	28.49	7.0(20)	
Arsenic (As)	54	1	25	32.87	85	75	125	52.06	3.7(20)	
Lead (Pb)	42.6	1	25	21.34	85	75	125	39.79	6.8(20)	



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
21-Sep-10

QC Summary Report

Work Order:
10091623

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.



**Sierra
Environmental
Monitoring, Inc.**

Laboratory Report Report ID: 108310

Alpha Analytical
Attn: Reyna Vallejo
255 Glendale Avenue Suite 21
Sparks, NV 89431

Date: 9/20/2010
Client: ALP-855
Taken by: C. Schreier
PO #:

Dear Reyna Vallejo,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Sierra Environmental Monitoring, Inc.

Date:

9/20/2010

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.



Laboratory Report
Report ID: 108310

**Sierra
 Environmental
 Monitoring, Inc.**

Alpha Analytical
 Attn: Reyna Vallejo
 255 Glendale Avenue Suite 21
 Sparks, NV 89431

Date: 9/20/2010
Client: ALP-855
Taken by: C. Schreier
PO #:

Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received								
S201009-1033	PES10091623-01 - RSAM-5-Post Soil	9/15/2010	3:55 PM	9/16/2010	Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
					Total Recoverable Metals - Acid Dig	EPA 200.2	Completed			Kleinworth	9/16/2010	
					Uranium - ICP-MS	EPA 200.8	1	mg/Kg	1	Li	9/16/2010	

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received								
S201009-1034	PES10091623-02 - RSAM-6-Post Soil	9/15/2010	3:59 PM	9/16/2010	Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
					Total Recoverable Metals - Acid Dig	EPA 200.2	Completed			Kleinworth	9/16/2010	
					Uranium - ICP-MS	EPA 200.8	<1	mg/Kg	1	Li	9/16/2010	

Data Flag Legend:



Laboratory Report
Report ID: 108310

**Sierra
Environmental
Monitoring, Inc.**

Alpha Analytical
Attn: Reyna Vallejo
255 Glendale Avenue Suite 21
Sparks, NV 89431

Date: 9/20/2010
Client: ALP-855
Taken by: C. Schreier
PO #:

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Uranium - ICP-MS	99.0	93.0	93.0	0.45	<1 mg/Kg

Legend:	<i>LCS- Laboratory Control Standard</i>	<i>MS- Matrix Spike</i>	<i>MSD- Matrix Spike Duplicate</i>
	<i>RPD- Relative Percent Difference</i>		

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

NV REC-241

WorkOrder : PES10091623

Report Due By : 5:00 PM On : 20-Sep-10

Perchlorate due 9-17-10

EDD Required : No

Sampled by : C Schreier

Cooler Temp 5 °C Samples Received 16-Sep-10 Date Printed 17-Sep-10

Report Attention Phone Number Email Address
 Cindy Schreier (916) 939-7300 x data@primaenvironmental.com

Client: Prima Environmental
 5070 Robert J. Mathews Parkway
 Suite 300
 El Dorado Hills, CA 95762

Client's COC # : 32804 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates
 Job : NGEM-TR-FL

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles Alpha	Sub	TAT	314_S	METALS_A	METALS_S	DD_SO	O	Requested Tests	Sample Remarks
PES10091623-01A	RSAM-5-Post Soil	SO	09/15/10 15:55	1	1	2	Perchlorate	Uranium				As, B, Cr, Co, Fe, Pb, Mg, Mn, Ca, K, Na	
PES10091623-02A	RSAM-6-Post Soil	SO	09/15/10 15:59	1	1	2	Perchlorate	Uranium				As, B, Cr, Co, Fe, Pb, Mg, Mn, Ca, K, Na	

Comments: 24 HR TAT for Perchlorate, due 9/17/10. 48 HR TAT for Metals. No security seals. Blue ice. Job name logged in per amended COC. NV or NELAC cert required. Uranium subbed to SEM. Amended 9/17/10 11:30 to add Ca, K & Na to both samples, per Cathy.KM.

Logged in by: *K Murray* *K Murray* Alpha Analytical, Inc. *9/17/10 1130*

Signature _____ Print Name _____ Date/Time _____
 _____ Company _____

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Otbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV RECEIVED

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : PES10091623

Report Due By : 5:00 PM On : 20-Sep-10

Perchlorate due 9-17-10

EDD Required : No

Sampled by : C Schreier

Cooler Temp Samples Received Date Printed

5 °C 16-Sep-10 16-Sep-10

Report Attention Phone Number Email Address
Cindy Schreier (916) 939-7300 x data@primaenvironmental.com

Client: Prima Environmental
5070 Robert J. Mathews Parkway
Suite 300
El Dorado Hills, CA 95762

Client's COC # : 32804 Job : NGENM-TR-FL
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles		314_S	METALS_A DD_SO	METALS_S O	Requested Tests	Sample Remarks
			Alpha	Sub TAT					
PES10091623-01A	RSAM-5-Post Soil	SO 09/15/10 15:55	1	1	2	Perchlorate	Uranium	As, B, Cr, Co, Fe, Pb, Mg, Mn	
PES10091623-02A	RSAM-6-Post Soil	SO 09/15/10 15:59	1	1	2	Perchlorate	Uranium	As, B, Cr, Co, Fe, Pb, Mg, Mn	

Comments: 24 HR TAT for Perchlorate, due 9/17/10. 48 HR TAT for Metals. No security seals. Blue ice. Job name logged in per amended COC. NV or NELAC cert required. Uranium subbed to SEM.

Signature

Print Name

Company

Date/Time

Logged in by:

C Schreier

C Schreier

Alpha Analytical, Inc.

9/16/10 1000

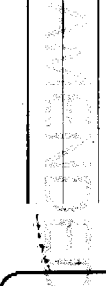
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : Aq(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company Name
Attn:

Address
City, State, Zip

Phone Number
Fax



Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0405

Samples Collected From Which State?
AZ CA NV WA
ID OR OTHER
DOD Site
Page # 1 of 1

Consultant / Client Name

Address

City, State, Zip

Time Sampled

Date Sampled

Matrix*
See Key Below

P.O. #

Lab ID Number
(Use Only)

Sample Description

TAT

Field #

Containers*

Perchlorate Metals*

REMARKS

EOD / EOP? YES ___ NO ___

Gold ID #

Date

Time

Date

Time

Date

Time

Date

Time

Job #

Name

Email

Phone

Mobile

Report Attention / Project Manager

RGEM-TR-FL

Analyses Required

Date Validation
Level: III or IV

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number (Use Only)	Sample Description	TAT	Field #	Containers*	Perchlorate Metals*	REMARKS
1555	9/15/10	SO		PES10091623-01	RSAM-5- Post Soil	24hr		1	X	Metals = As, B, Cr, Co, Fe, Pb, Mn, Ni
		SO		FOF 02	RSAM-6- Post Soil	24hr			X	
		SO			RSAM-5- Post Soil	48hr			X	
		SO			RSAM-6- Post Soil	48hr			X	

ADDITIONAL INSTRUCTIONS:

NV or NELK cert required

1. (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action (NAC 445.0636 (c) (2)). Sampled by: [Signature]

Relinquished by: (Signature/Affiliation)

Relinquished by: (Signature/Affiliation)

Relinquished by: (Signature/Affiliation)

Received by: (Signature/Affiliation)
PRIMA
Received by: (Signature/Affiliation)
C. Murray

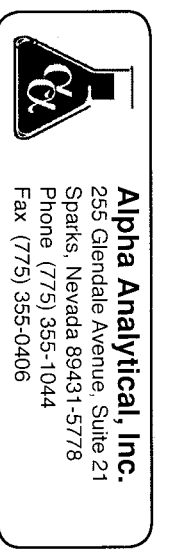
Date: 9/15/10 Time: 5/1860
Date: 9/16/10 Time: 0950

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air L - Litter V - Vial S - Soil Jar O - Onho T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:

Com **PRIMA ENVIRONMENTAL, Inc.**
Attn: **5070 Robert J. Mathews Pkwy, Ste 300**
Addr: **EI Dorado Hills, CA 95762**
City: **PH: 916-939-7300**
Phon: **FAX: 916-939-7398**



Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ CA NV WA
ID OR OTHER
DOD Site 1 **of** 1
Page # 1 of 1

Analyses Required

Data Validation Level: III or IV

Consultant / Client Name: _____ Job # _____ Job Name _____
Address: _____ Report Attention / Project Manager _____
City, State, Zip: _____ Name: _____ Email: _____
Phone: _____ data@primaenvironmental.com

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number (Office Only)	Sample Description	TAT	Field Filtered	# Containers**	Perchlorate Metals*	REMARKS
1555	9.15.10	SO		RESID091623-01	RSAN-5 - Post Soil	24hr		1	X	Metals = As, B, Cr,
1559	9.15.10	SO		FOR 02	RSAN-6 - Post Soil	24hr		1	X	Co, Fe, Pb, Mg, Mn,
				01	RSAN-5 - Post Soil	48hr			X	U
				02	RSAN-6 - Post Soil	48hr			X	

ADDITIONAL INSTRUCTIONS:

NV or NEHC cert required

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action (NAC 445.0636 (c) (2)). Sampled By: [Signature]

Relinquished by: [Signature] / PRIMA

Received by: [Signature] FELIX Date: 9.15.10 Time: 5:18:00

Relinquished by: [Signature]

Received by: [Signature] ELLIUNAWAY Date: 9/16/10 Time: 0950

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** - L-Liter V-Voa S-Soil Jar O-Orbo T-Tecliar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

September 20, 2010

CLS Work Order #: CTI0661
COC #:

Reyna Vallejo
Alpha Analytical, Inc.-Sparks
255 Glendale Ave.; Suite 21
Sparks, NV 89431

Project Name: PES10091624

Enclosed are the results of analyses for samples received by the laboratory on 09/16/10 15:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave., Suite 21 Sparks, NV 89431	Project: PES10091624 Project Number: PES10091624 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0661 COC #:
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PES10091624-01A (RSAM-5-Post Soil) (CTI0661-01) Soil Sampled: 09/15/10 15:55 Received: 09/16/10 15:00									
Hexachlorobenzene	ND	50	µg/kg	10	CT06957	09/17/10	09/20/10	EPA 8081A	
Endrin ketone	ND	50	"	"	"	"	"	"	
Aldrin	ND	10	"	"	"	"	"	"	
alpha-BHC	ND	20	"	"	"	"	"	"	
beta-BHC	ND	100	"	"	"	"	"	"	
delta-BHC	ND	100	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	100	"	"	"	"	"	"	
Chlordane-technical	ND	200	"	"	"	"	"	"	
4,4'-DDD	ND	150	"	"	"	"	"	"	
4,4'-DDE	ND	150	"	"	"	"	"	"	
4,4'-DDT	ND	150	"	"	"	"	"	"	
Dieldrin	ND	10	"	"	"	"	"	"	
Endosulfan I	ND	150	"	"	"	"	"	"	
Endosulfan II	ND	150	"	"	"	"	"	"	
Endosulfan sulfate	ND	150	"	"	"	"	"	"	
Endrin	ND	150	"	"	"	"	"	"	
Endrin aldehyde	ND	150	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	150	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 86 % 46-139 " " " "

Surrogate: Decachlorobiphenyl 101 % 52-141 " " " "

PES10091624-02A (RSAM-6-Post Soil) (CTI0661-02) Soil Sampled: 09/15/10 15:59 Received: 09/16/10 15:00									
Hexachlorobenzene	ND	50	µg/kg	10	CT06957	09/17/10	09/20/10	EPA 8081A	
Endrin ketone	ND	50	"	"	"	"	"	"	
Aldrin	ND	10	"	"	"	"	"	"	
alpha-BHC	ND	20	"	"	"	"	"	"	
beta-BHC	ND	100	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091624 Project Number: PES10091624 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0661 COC #:
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PES10091624-02A (RSAM-6-Post Soil) (CTI0661-02) Soil Sampled: 09/15/10 15:59 Received: 09/16/10 15:00									
delta-BHC	ND	100	µg/kg	10	CT06957	"	09/20/10	EPA 8081A	
gamma-BHC (Lindane)	ND	100	"	"	"	"	"	"	
Chlordane-technical	ND	200	"	"	"	"	"	"	
4,4'-DDD	ND	150	"	"	"	"	"	"	
4,4'-DDE	ND	150	"	"	"	"	"	"	
4,4'-DDT	ND	150	"	"	"	"	"	"	
Dieldrin	ND	10	"	"	"	"	"	"	
Endosulfan I	ND	150	"	"	"	"	"	"	
Endosulfan II	ND	150	"	"	"	"	"	"	
Endosulfan sulfate	ND	150	"	"	"	"	"	"	
Endrin	ND	150	"	"	"	"	"	"	
Endrin aldehyde	ND	150	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	150	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		86 %		46-139	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		110 %		52-141	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091624 Project Number: PES10091624 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0661 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch CT06957 - LUFT-DHS GCNV

Blank (CT06957-BLK1)

Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	2.0	"							
beta-BHC	ND	10	"							
delta-BHC	ND	10	"							
gamma-BHC (Lindane)	ND	10	"							
Chlordane-technical	ND	20	"							
4,4'-DDD	ND	15	"							
4,4'-DDE	ND	15	"							
4,4'-DDT	ND	15	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	15	"							
Endosulfan II	ND	15	"							
Endosulfan sulfate	ND	15	"							
Endrin	ND	15	"							
Endrin aldehyde	ND	15	"							
Heptachlor	ND	5.0	"							
Heptachlor epoxide	ND	2.0	"							
Methoxychlor	ND	15	"							
Mirex	ND	10	"							
Toxaphene	ND	20	"							

Surrogate: Tetrachloro-meta-xylene	6.17		"	8.33		74	46-139
Surrogate: Decachlorobiphenyl	8.40		"	8.33		101	52-141

LCS (CT06957-BS1)

Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	10.9	1.0	µg/kg	16.7		65	47-132
gamma-BHC (Lindane)	12.2	10	"	16.7		73	56-133
4,4'-DDT	11.4	15	"	16.7		68	46-137
Dieldrin	13.2	1.0	"	16.7		79	44-143
Endrin	15.6	15	"	16.7		94	30-147
Heptachlor	10.9	5.0	"	16.7		65	33-148

Surrogate: Tetrachloro-meta-xylene	5.27		"	8.33		63	46-139
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CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091624 Project Number: PES10091624 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0661 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT06957 - LUFT-DHS GCNV

LCS (CT06957-BS1) Prepared: 09/17/10 Analyzed: 09/20/10

<i>Surrogate: Decachlorobiphenyl</i>	8.46		µg/kg	8.33		102	52-141			
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LCS Dup (CT06957-BSD1) Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	11.2	1.0	µg/kg	16.7		67	47-132	3	30	
gamma-BHC (Lindane)	12.6	10	"	16.7		76	56-133	3	30	
4,4'-DDT	12.1	15	"	16.7		73	46-137	6	30	
Dieldrin	13.8	1.0	"	16.7		83	44-143	5	30	
Endrin	16.3	15	"	16.7		98	30-147	5	30	
Heptachlor	11.3	5.0	"	16.7		68	33-148	4	30	

<i>Surrogate: Tetrachloro-meta-xylene</i>	5.58		"	8.33		67	46-139			
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<i>Surrogate: Decachlorobiphenyl</i>	8.00		"	8.33		96	52-141			
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Matrix Spike (CT06957-MS1) Source: CTI0661-01 Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	16.2	10	µg/kg	16.7	ND	97	47-138			
gamma-BHC (Lindane)	12.0	100	"	16.7	ND	72	38-144			
4,4'-DDT	14.4	150	"	16.7	ND	86	41-157			
Dieldrin	17.2	10	"	16.7	ND	103	46-155			
Endrin	19.8	150	"	16.7	ND	119	34-149			
Heptachlor	15.6	50	"	16.7	ND	93	36-155			

<i>Surrogate: Tetrachloro-meta-xylene</i>	19.8		"	20.8		95	46-139			
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<i>Surrogate: Decachlorobiphenyl</i>	23.1		"	20.8		111	52-141			
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Matrix Spike Dup (CT06957-MSD1) Source: CTI0661-01 Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	15.2	10	µg/kg	16.7	ND	91	47-138	6	35	
gamma-BHC (Lindane)	12.3	100	"	16.7	ND	74	38-144	2	35	
4,4'-DDT	12.7	150	"	16.7	ND	76	41-157	12	35	
Dieldrin	15.8	10	"	16.7	ND	95	46-155	9	35	
Endrin	17.5	150	"	16.7	ND	105	34-149	13	35	
Heptachlor	16.0	50	"	16.7	ND	96	36-155	3	35	

<i>Surrogate: Tetrachloro-meta-xylene</i>	19.4		"	20.8		93	46-139			
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<i>Surrogate: Decachlorobiphenyl</i>	21.8		"	20.8		104	52-141			
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CALIFORNIA LABORATORY SERVICES

Page 6 of 6

09/20/10 15:16

Alpha Analytical, Inc.-Sparks
255 Glendale Ave.; Suite 21
Sparks, NV 89431

Project: PES10091624
Project Number: PES10091624
Project Manager: Reyna Vallejo

CLS Work Order #: CTI0661
COC #:

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742 www.californialab.com 916-638-7301 Fax: 916-638-4510

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV **Form 11** Page: 1 of 1

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : PES10091624

Report Due By : 5:00 PM On : 20-Sep-10

Client: Prima Environmental
5070 Robert J. Mathews Parkway
Suite 300
El Dorado Hills, CA 95762

Report Attention Phone Number Email Address
Cindy Schreier (916) 939-7300 x data@primaenvironmental.com

EDD Required : No

Sampled by : C. Schreier

Client's COC # : 32805 Job : NGENM-TR-FL
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD with Surrogates
Cooler Temp 4 °C Samples Received 16-Sep-10 Date Printed 17-Sep-10

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests	Sample Remarks	
PES10091624-01A	RSAM-5-Post Soil	SO 09/15/10 15:55	0	1	2	8081+Hexac chlorobenzene	
PES10091624-02A	RSAM-6-Post Soil	SO 09/15/10 15:59	0	1	2	8081+Hexac chlorobenzene	

Comments: 48 HR TAT, 8081 subbed to CLS by Sac office. Frozen ice. Job name logged in per previous workorder. Login completed on 9/17/10.

Logged in by: Kellaway Signature Kellaway Print Name Kellaway Company Alpha Analytical, Inc. Date/Time 9/17/10 0930

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

CO **PRIMA ENVIRONMENTAL, Inc.**
At 5070 Robert J. Matthews Pkwy, Ste 300
Ad El Dorado Hills, CA 95762
Ct PH: 916-939-7300
Ph FAX: 916-939-7398



Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ID
CA OR
NV OTHER
WA

DOD Site
Page # 1 of 1

52805

City, State, Zip
Address

Job #
Job Name
Report Attention / Project Manager
Name:
Email: data@primaenvironmental.com
Phone:
Mobile:

Data Validation
Level: III or IV
EDD / EDF? YES ___ NO ___
Global ID #

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number (Use Only)	Sample Description	TAT	Field Filled	# Containers**	ANALYSES REQUIRED	REMARKS
1555	9-15-10	Soil		RES10091624-01	RSAM-5-Pst + Soil	48h		1	X	
1559	9-15-10	Soil		FOR02	RSAM-6-Pst + Soil	48h		1	X	Sub to CUS #10091624

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action (NAC 445.0636 (c) (2)). Sampled By: [Signature]

Relinquished by: (Signature/Affiliation)	PRIMA	Received by: (Signature/Affiliation)	[Signature]	Date:	9-16-10	Time:	4:25
Relinquished by: (Signature/Affiliation)	[Signature]	Received by: (Signature/Affiliation)	[Signature]	Date:	9-17-10	Time:	09:20
Relinquished by: (Signature/Affiliation)	[Signature]	Received by: (Signature/Affiliation)	[Signature]	Date:		Time:	

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** - L-Liter V-Voa S-Soil Jar O-Orho T-Tedlar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Anions by IC
EPA Method 300.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID: PES10091725-01A	Fluoride	ND X	13 mg/L	09/21/10 07:49 09/21/10 12:41
Date Sampled 09/17/10 10:00	Chloride	89	50 mg/L	09/21/10 07:49 09/21/10 12:41
	Bromide	ND X	13 mg/L	09/21/10 07:49 09/21/10 12:41
	Nitrate (NO3) - N	ND X*	13 mg/L	09/21/10 07:49 09/21/10 13:36
	Phosphate, ortho - P	ND X	50 mg/L	09/21/10 07:49 09/21/10 12:41
	Sulfate (SO4)	290	50 mg/L	09/21/10 07:49 09/21/10 12:41

*Nitrate was analyzed on a preserved sample. The accuracy of Nitrate may be biased high due to the possible oxidation of Nitrite to Nitrate.

X = Reporting Limits were increased due to sample matrix interferences.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/22/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Perchlorate by Ion Chromatography EPA Method 314.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID : PES10091725-01A Perchlorate Date Sampled 09/17/10 10:00	89.6	20.0 µg/L	09/20/10 10:50	09/20/10
Client ID: NGEM-TR-FL-SA-189-Post Soil				
Lab ID : PES10091725-02A Perchlorate Date Sampled 09/17/10 11:15	ND	20.0 µg/Kg	09/20/10 09:50	09/20/10

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

CPH

9/21/10
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID: PES10091725-01A	Alkalinity, Bicarbonate (As CaCO ₃)	160	10 mg/L	09/21/10
Date Sampled 09/17/10 10:00	Alkalinity, Hydroxide (As CaCO ₃)	ND	10 mg/L	09/21/10
	Alkalinity, Total (As CaCO ₃ at pH 4.5)	160	10 mg/L	09/21/10

This replaces the report originally signed 9/22/10, due to a change in the analyte list, due to lab error.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

^k
9/23/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Ammonia as Nitrogen
SM4500-NH3D

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID: PES10091725-01A Nitrogen, Ammonia (As N)	ND X	1.0 mg/L	09/22/10	09/22/10
Date Sampled 09/17/10 10:00				

X = Reporting Limits were increased due to sample matrix interferences.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/22/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Dissolved Metals by ICPMS EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed	
Client ID: NGEM-TR-FL-SA-189-S7					
Lab ID : PES10091725-01A	Boron (B), Dissolved	2.7	0.10 mg/L	09/21/10 14:49	09/22/10
Date Sampled 09/17/10 10:00	Sodium (Na), Dissolved	220	0.50 mg/L	09/21/10 14:49	09/22/10
	Magnesium (Mg), Dissolved	7.7	0.50 mg/L	09/21/10 14:49	09/22/10
	Potassium (K), Dissolved	2.9	0.50 mg/L	09/21/10 14:49	09/22/10
	Calcium (Ca), Dissolved	23	0.50 mg/L	09/21/10 14:49	09/22/10
	Chromium (Cr), Dissolved	0.0059	0.0050 mg/L	09/21/10 14:49	09/22/10
	Manganese (Mn), Dissolved	ND	0.0050 mg/L	09/21/10 14:49	09/22/10
	Iron (Fe), Dissolved	ND	0.10 mg/L	09/21/10 14:49	09/22/10
	Cobalt (Co), Dissolved	ND	0.0050 mg/L	09/21/10 14:49	09/22/10
	Arsenic (As), Dissolved	0.080	0.0020 mg/L	09/21/10 14:49	09/22/10
	Lead (Pb), Dissolved	ND	0.0050 mg/L	09/21/10 14:49	09/22/10

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/22/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Metals by ICPMS
EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed	
Client ID: NGEM-TR-FL-SA-189-Post Soil					
Lab ID: PES10091725-02A	Boron (B)	ND	20 mg/Kg	09/20/10 13:21	09/21/10
Date Sampled 09/17/10 11:15	Sodium (Na)	800	100 mg/Kg	09/20/10 13:21	09/21/10
	Magnesium (Mg)	11,000	100 mg/Kg	09/20/10 13:21	09/21/10
	Potassium (K)	2,000	100 mg/Kg	09/20/10 13:21	09/21/10
	Calcium (Ca)	29,000	100 mg/Kg	09/20/10 13:21	09/21/10
	Chromium (Cr)	11	1.0 mg/Kg	09/20/10 13:21	09/21/10
	Manganese (Mn)	290	1.0 mg/Kg	09/20/10 13:21	09/21/10
	Iron (Fe)	14,000	500 mg/Kg	09/20/10 13:21	09/21/10
	Cobalt (Co)	7.4	1.0 mg/Kg	09/20/10 13:21	09/21/10
	Arsenic (As)	4.2	1.0 mg/Kg	09/20/10 13:21	09/21/10
	Lead (Pb)	7.7	1.0 mg/Kg	09/20/10 13:21	09/21/10

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

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Report Date



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ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Total Dissolved Solids (TDS)
SM2540C

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID: PES10091725-01A Solids, Total Dissolved (TDS)	710	10 mg/L	09/22/10	09/22/10
Date Sampled 09/17/10 10:00				

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[Signature]

9/22/10

Report Date



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ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060 / SM5310C

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID : PES10091725-01A Total Organic Carbon	2.4	1.0 mg/L	09/22/10 08:30	09/22/10
Date Sampled 09/17/10 10:00				

Roger Scholl *Randy Gardner* *Walter Hinchman*

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9/22/10

Report Date



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ANALYTICAL REPORT

Prima Environmental
5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Total Suspended Solids
SM2540D

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: NGEM-TR-FL-SA-189-S7				
Lab ID: PES10091725-01A Solids, Total Suspended (TSS)	ND	2.5 mg/L	09/22/10	09/22/10
Date Sampled 09/17/10 10:00				

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

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ANALYTICAL REPORT

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5070 Robert J. Mathews Parkway
El Dorado Hills, CA 95762

Attn: Cindy Schreier
Phone: (916) 939-7300
Fax: (916) 393-7398
Date Received : 09/17/10

Job: NGEM-TR-FL

Volatile Organic Compounds (VOCs) EPA Method SW8260B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : NGEM-TR-FL-SA-189-S7				
Lab ID : PES10091725-01A	Chloroform	1.0 µg/L	09/21/10	09/21/10
Date Sampled 09/17/10 10:00	ND			

ND = Not Detected

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JS
9/22/10

Report Date



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VOC Sample Preservation Report

Work Order: PES10091725

Job: NGEM-TR-FL

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10091725-01A	NGEM-TR-FL-SA-189-S7	Aqueous	2

9/22/10
Report Date



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0**

File ID: **23**

Batch ID: **25081**

Analysis Date: **09/21/2010 10:05**

Sample ID: **MB-25081**

Units : **mg/L**

Run ID: **IC_1_100921A**

Prep Date: **09/21/2010 07:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Fluoride	ND	0.25								
Chloride	ND	0.5								
Bromide	ND	0.25								
Nitrate (NO3) - N	ND	0.25								
Phosphate, ortho - P	ND	0.5								
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0**

File ID: **26**

Batch ID: **25081**

Analysis Date: **09/21/2010 11:08**

Sample ID: **LFB-25081**

Units : **mg/L**

Run ID: **IC_1_100921A**

Prep Date: **09/21/2010 07:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Fluoride	5.29	0.25	5		106	90	110			
Chloride	49.1	0.5	50		98	90	110			
Bromide	5.12	0.25	5		102	90	110			
Nitrate (NO3) - N	5.26	0.25	5		105	90	110			
Phosphate, ortho - P	5.45	0.5	5		109	90	110			
Sulfate (SO4)	99.2	0.5	100		99	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0**

File ID: **32**

Batch ID: **25081**

Analysis Date: **09/21/2010 12:59**

Sample ID: **10091725-01ALFM**

Units : **mg/L**

Run ID: **IC_1_100921A**

Prep Date: **09/21/2010 07:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Fluoride	522	13	500	0	104	80	120			
Chloride	4970	25	5000	89.06	98	80	120			
Bromide	517	13	500	0	103	80	120			
Nitrate (NO3) - N	518	13	500	0	104	80	120			
Phosphate, ortho - P	571	25	500	0	114	80	120			
Sulfate (SO4)	10300	25	10000	292.1	99.7	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0**

File ID: **33**

Batch ID: **25081**

Analysis Date: **09/21/2010 13:18**

Sample ID: **10091725-01ALFMD**

Units : **mg/L**

Run ID: **IC_1_100921A**

Prep Date: **09/21/2010 07:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Fluoride	532	13	500	0	106	80	120	522.4	1.8(15)	
Chloride	5100	25	5000	89.06	100	80	120	4975	2.5(15)	
Bromide	542	13	500	0	108	80	120	517	4.7(15)	
Nitrate (NO3) - N	542	13	500	0	108	80	120	518.2	4.5(15)	
Phosphate, ortho - P	546	25	500	0	109	80	120	570.7	4.5(15)	
Sulfate (SO4)	10300	25	10000	292.1	100	80	120	10260	0.6(15)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method 314.0**

File ID: 17

Batch ID: **25072**

Analysis Date: **09/20/2010 12:42**

Sample ID: **MB-25072**

Units : **µg/Kg**

Run ID: **IC_3_100920B**

Prep Date: **09/20/2010 09:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	ND		20							

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 314.0**

File ID: 18

Batch ID: **25072**

Analysis Date: **09/20/2010 13:01**

Sample ID: **LCS-25072**

Units : **µg/Kg**

Run ID: **IC_3_100920B**

Prep Date: **09/20/2010 09:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	269	200	250		108	85	115			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 314.0**

File ID: 22

Batch ID: **25072**

Analysis Date: **09/20/2010 14:19**

Sample ID: **10091725-02AMS**

Units : **µg/Kg**

Run ID: **IC_3_100920B**

Prep Date: **09/20/2010 09:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	240	200	250		0	96	80	120		

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 314.0**

File ID: 23

Batch ID: **25072**

Analysis Date: **09/20/2010 14:37**

Sample ID: **10091725-02AMSD**

Units : **µg/Kg**

Run ID: **IC_3_100920B**

Prep Date: **09/20/2010 09:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	247	200	250		0	99	80	120	240.1	2.7(15)

Comments:

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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method 314.0**

File ID: **14**

Batch ID: **25074**

Analysis Date: **09/20/2010 11:47**

Sample ID: **MB-25074**

Units : **µg/L**

Run ID: **IC_3_100920A**

Prep Date: **09/20/2010 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	ND		2							

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 314.0**

File ID: **15**

Batch ID: **25074**

Analysis Date: **09/20/2010 12:06**

Sample ID: **LFB-25074**

Units : **µg/L**

Run ID: **IC_3_100920A**

Prep Date: **09/20/2010 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	25.1	2	25		100	85	115			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 314.0**

File ID: **27**

Batch ID: **25074**

Analysis Date: **09/20/2010 15:51**

Sample ID: **10091702-03ALFM**

Units : **µg/L**

Run ID: **IC_3_100920A**

Prep Date: **09/20/2010 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	23	2	25	0	92	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 314.0**

File ID: **28**

Batch ID: **25074**

Analysis Date: **09/20/2010 16:09**

Sample ID: **10091702-03ALFMD**

Units : **µg/L**

Run ID: **IC_3_100920A**

Prep Date: **09/20/2010 10:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Perchlorate	24.2	2	25	0	97	80	120	23.02	4.9(15)	

Comments:

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Date:
23-Sep-10

QC Summary Report

Work Order:
10091725

Laboratory Control Spike

Type **LCS**

Test Code: **SM2320B**

File ID:

Batch ID: **W0921AL**

Analysis Date: **09/21/2010 13:44**

Sample ID: **LCS-W0921AL**

Units : mg/L

Run ID: **WETLAB_100921C**

Prep Date: **09/21/2010 13:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Bicarbonate (As CaCO ₃)	275.6	10	250		110	80	120			
Alkalinity, Hydroxide (As CaCO ₃)	275.6	10	250		110	80	120			
Alkalinity, Total (As CaCO ₃ at pH 4.5)	276	10	250		110	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **SM4500-NH3D**

File ID:		Batch ID: W0922AM	Analysis Date: 09/22/2010 10:24
Sample ID: MBLK-W0922AM	Units : mg/L	Run ID: WETLAB_100922B	Prep Date: 09/22/2010 10:24
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Nitrogen, Ammonia (As N)	ND	0.1	

Laboratory Control Spike

Type **LCS** Test Code: **SM4500-NH3D**

File ID:		Batch ID: W0922AM	Analysis Date: 09/22/2010 10:19
Sample ID: LCS-W0922AM	Units : mg/L	Run ID: WETLAB_100922B	Prep Date: 09/22/2010 10:19
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Nitrogen, Ammonia (As N)	4.85	0.1	5 97 70 130

Sample Matrix Spike

Type **MS** Test Code: **SM4500-NH3D**

File ID:		Batch ID: W0922AM	Analysis Date: 09/22/2010 10:36
Sample ID: 10091725-01AMS	Units : mg/L	Run ID: WETLAB_100922B	Prep Date: 09/22/2010 10:36
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Nitrogen, Ammonia (As N)	4.72	1	5 0 94 65 138

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **SM4500-NH3D**

File ID:		Batch ID: W0922AM	Analysis Date: 09/22/2010 10:40
Sample ID: 10091725-01AMSD	Units : mg/L	Run ID: WETLAB_100922B	Prep Date: 09/22/2010 10:40
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Nitrogen, Ammonia (As N)	4.76	1	5 0 95 65 138 4.72 0.8(20)

Comments:

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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method 200.8**

File ID: **092110.B\082_M.D**

Batch ID: **25087**

Analysis Date: **09/21/2010 23:17**

Sample ID: **MB-25087**

Units: **mg/L**

Run ID: **ICP/MS_100921D**

Prep Date: **09/21/2010 14:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B), Dissolved	ND	0.1								
Sodium (Na), Dissolved	ND	0.5								
Magnesium (Mg), Dissolved	ND	0.5								
Potassium (K), Dissolved	ND	0.5								
Calcium (Ca), Dissolved	ND	0.5								
Chromium (Cr), Dissolved	ND	0.005								
Manganese (Mn), Dissolved	ND	0.005								
Iron (Fe), Dissolved	ND	0.1								
Cobalt (Co), Dissolved	ND	0.005								
Arsenic (As), Dissolved	ND	0.002								
Lead (Pb), Dissolved	ND	0.005								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 200.8**

File ID: **092110.B\083_M.D**

Batch ID: **25087**

Analysis Date: **09/21/2010 23:23**

Sample ID: **LCS-25087**

Units: **mg/L**

Run ID: **ICP/MS_100921D**

Prep Date: **09/21/2010 14:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B), Dissolved	0.0453	0.1	0.058		78	80	120			L2
Sodium (Na), Dissolved	4.75	0.5	5		95	80	120			
Magnesium (Mg), Dissolved	4.67	0.5	5		93	80	120			
Potassium (K), Dissolved	4.77	0.5	5		95	80	120			
Calcium (Ca), Dissolved	4.76	0.5	5		95	80	120			
Chromium (Cr), Dissolved	0.0459	0.005	0.05		92	80	120			
Manganese (Mn), Dissolved	0.0487	0.005	0.05		97	80	120			
Iron (Fe), Dissolved	4.88	0.1	5		98	80	120			
Cobalt (Co), Dissolved	0.0454	0.005	0.05		91	80	120			
Arsenic (As), Dissolved	0.048	0.002	0.05		96	80	120			
Lead (Pb), Dissolved	0.0467	0.005	0.05		93	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 200.8**

File ID: **092110.B\088_SS.D**

Batch ID: **25087**

Analysis Date: **09/21/2010 23:51**

Sample ID: **10091748-01AMS**

Units: **mg/L**

Run ID: **ICP/MS_100921D**

Prep Date: **09/21/2010 14:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B), Dissolved	1.56	0.1	0.058	1.448	200	75	125			M3
Sodium (Na), Dissolved	308	0.5	5	311.1	-70	75	125			M3
Magnesium (Mg), Dissolved	9.12	0.5	5	3.679	109	75	125			
Potassium (K), Dissolved	19.5	0.5	5	14.76	96	75	125			
Calcium (Ca), Dissolved	7.18	0.5	5	2.726	89	75	125			
Chromium (Cr), Dissolved	0.0541	0.005	0.05	0	108	75	125			
Manganese (Mn), Dissolved	0.0516	0.005	0.05	0	103	75	125			
Iron (Fe), Dissolved	5.27	0.2	5	0	105	75	125			
Cobalt (Co), Dissolved	0.0526	0.005	0.05	0	105	75	125			
Arsenic (As), Dissolved	0.28	0.002	0.05	0.2238	111	75	125			
Lead (Pb), Dissolved	0.0496	0.005	0.05	0	99	75	125			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 200.8**

File ID: **092110.B\089_SS.D**

Batch ID: **25087**

Analysis Date: **09/21/2010 23:56**

Sample ID: **10091748-01AMSD**

Units: **mg/L**

Run ID: **ICP/MS_100921D**

Prep Date: **09/21/2010 14:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B), Dissolved	1.62	0.1	0.058	1.448	288	75	125	1.564	3.2(20)	M3
Sodium (Na), Dissolved	315	0.5	5	311.1	68	75	125	307.6	2.2(20)	M3
Magnesium (Mg), Dissolved	9.37	0.5	5	3.679	114	75	125	9.115	2.8(20)	
Potassium (K), Dissolved	20.2	0.5	5	14.76	108	75	125	19.54	3.2(20)	
Calcium (Ca), Dissolved	7.29	0.5	5	2.726	91	75	125	7.178	1.6(20)	
Chromium (Cr), Dissolved	0.0538	0.005	0.05	0	108	75	125	0.0541	0.6(20)	
Manganese (Mn), Dissolved	0.0514	0.005	0.05	0	103	75	125	0.05157	0.4(20)	
Iron (Fe), Dissolved	5.22	0.2	5	0	104	75	125	5.274	1.0(20)	
Cobalt (Co), Dissolved	0.052	0.005	0.05	0	104	75	125	0.05259	1.1(20)	
Arsenic (As), Dissolved	0.285	0.002	0.05	0.2238	122	75	125	0.2795	1.9(20)	
Lead (Pb), Dissolved	0.0488	0.005	0.05	0	98	75	125	0.04955	1.5(20)	



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 092110.B\019_M.D\

Batch ID: 25078

Analysis Date: 09/21/2010 18:51

Sample ID: MB-25078

Units : mg/Kg Run ID: ICP/MS_100921C

Prep Date: 09/20/2010 13:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	ND	20								
Sodium (Na)	ND	100								
Magnesium (Mg)	ND	100								
Potassium (K)	ND	100								
Calcium (Ca)	ND	100								
Chromium (Cr)	ND	1								
Manganese (Mn)	ND	1								
Iron (Fe)	ND	500								
Cobalt (Co)	ND	1								
Arsenic (As)	ND	1								
Lead (Pb)	ND	1								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 092110.B\020_M.D\

Batch ID: 25078

Analysis Date: 09/21/2010 18:57

Sample ID: LCS-25078

Units : mg/Kg Run ID: ICP/MS_100921C

Prep Date: 09/20/2010 13:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	22.9	20	25		92	80	120			
Sodium (Na)	5030	100	5000		101	80	120			
Magnesium (Mg)	4950	100	5000		99	80	120			
Potassium (K)	5030	100	5000		101	80	120			
Calcium (Ca)	5130	100	5000		103	80	120			
Chromium (Cr)	23.4	1	25		94	80	120			
Manganese (Mn)	241	1	250		96	80	120			
Iron (Fe)	4890	500	5000		98	80	120			
Cobalt (Co)	22.2	1	25		89	80	120			
Arsenic (As)	24.2	1	25		97	80	120			
Lead (Pb)	24.4	1	25		97	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 092110.B\025_SS.D\

Batch ID: 25078

Analysis Date: 09/21/2010 19:25

Sample ID: 10091725-02AMS

Units : mg/Kg Run ID: ICP/MS_100921C

Prep Date: 09/20/2010 13:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	29.3	20	25	0	117	75	125			
Sodium (Na)	5720	100	5000	797.3	98	75	125			
Magnesium (Mg)	15000	100	5000	11020	79	75	125			
Potassium (K)	6870	100	5000	1990	98	75	125			
Calcium (Ca)	49500	100	5000	28880	412	75	125			M3
Chromium (Cr)	31.8	1	25	10.94	84	75	125			
Manganese (Mn)	463	1	250	293.1	68	75	125			M2
Iron (Fe)	16200	500	5000	14340	37	75	125			M2
Cobalt (Co)	25.8	1	25	7.415	74	75	125			M2
Arsenic (As)	27.1	1	25	4.199	92	75	125			
Lead (Pb)	31.7	1	25	7.72	96	75	125			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 092110.B\026_SS.D\

Batch ID: 25078

Analysis Date: 09/21/2010 19:31

Sample ID: 10091725-02AMSD

Units : mg/Kg Run ID: ICP/MS_100921C

Prep Date: 09/20/2010 13:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Boron (B)	30.3	20	25	0	121	75	125	29.25	3.5(20)	
Sodium (Na)	5750	100	5000	797.3	99	75	125	5720	0.5(20)	
Magnesium (Mg)	14700	100	5000	11020	74	75	125	14960	1.6(20)	M2
Potassium (K)	6870	100	5000	1990	98	75	125	6869	0.0(20)	
Calcium (Ca)	40400	100	5000	28880	230	75	125	49490	20.3(20)	M3 R58
Chromium (Cr)	33.5	1	25	10.94	90	75	125	31.82	5.2(20)	
Manganese (Mn)	568	1	250	293.1	110	75	125	463	20.3(20)	R5
Iron (Fe)	16300	500	5000	14340	40	75	125	16180	1.0(20)	M2
Cobalt (Co)	27.4	1	25	7.415	80	75	125	25.81	5.9(20)	
Arsenic (As)	28.4	1	25	4.199	97	75	125	27.12	4.6(20)	
Lead (Pb)	31.8	1	25	7.72	96	75	125	31.67	0.5(20)	



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R58 = MS/MSD RPD exceeded the laboratory control limit.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **SM2540C**

File ID: Batch ID: **W0920DS** Analysis Date: **09/21/2010 00:00**
Sample ID: **MBLK-W0920DS** Units : **mg/L** Run ID: **WETLAB_100920C** Prep Date: **09/21/2010 00:00**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Solids, Total Dissolved (TDS) ND 10

Laboratory Control Spike

Type **LCS** Test Code: **SM2540C**

File ID: Batch ID: **W0920DS** Analysis Date: **09/21/2010 00:00**
Sample ID: **LCS-W0920DS** Units : **mg/L** Run ID: **WETLAB_100920C** Prep Date: **09/21/2010 00:00**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDPRefVal %RPD(Limit) Qual
Solids, Total Dissolved (TDS) 97 10 100 97 80 120

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **EPA Method SW9060 / SM5310C**

File ID: Batch ID: **25088** Analysis Date: **09/22/2010 10:54**
Sample ID: **MBLK-25088** Units : **mg/L** Run ID: **TOC_100922A** Prep Date: **09/22/2010 08:30**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Total Organic Carbon ND 1

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW9060 / SM5310C**

File ID: Batch ID: **25088** Analysis Date: **09/22/2010 11:20**
Sample ID: **LCS-25088** Units : **mg/L** Run ID: **TOC_100922A** Prep Date: **09/22/2010 08:30**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Total Organic Carbon 5.15 1 5 103 74 126

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW9060 / SM5310C**

File ID: Batch ID: **25088** Analysis Date: **09/22/2010 14:21**
Sample ID: **10092101-05AMS** Units : **mg/L** Run ID: **TOC_100922A** Prep Date: **09/22/2010 08:30**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Total Organic Carbon 5.08 1 5 0 102 56 137

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW9060 / SM5310C**

File ID: Batch ID: **25088** Analysis Date: **09/22/2010 14:46**
Sample ID: **10092101-05AMSD** Units : **mg/L** Run ID: **TOC_100922A** Prep Date: **09/22/2010 08:30**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Total Organic Carbon 5.3 1 5 0 106 56 137 5.078 4.3(20)

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

Type **MBLK** Test Code: **SM2540D**

File ID: Batch ID: **W0920SS** Analysis Date: **09/22/2010 00:00**

Sample ID: **MBLK-W0920SS** Units : **mg/L** Run ID: **WETLAB_100920B** Prep Date: **09/22/2010 00:00**

Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual

Solids, Total Suspended (TSS) ND 2.5

Laboratory Control Spike

Type **LCS** Test Code: **SM2540D**

File ID: Batch ID: **W0920SS** Analysis Date: **09/22/2010 00:00**

Sample ID: **LCS-W0920SS** Units : **mg/L** Run ID: **WETLAB_100920B** Prep Date: **09/22/2010 00:00**

Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual

Solids, Total Suspended (TSS) 85 2.5 100 85 50 140

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
28-Sep-10

QC Summary Report

Work Order:
10091725

Method Blank

File ID: 10092104.D

Type: MBLK Test Code: EPA Method SW8260B

Batch ID: MS12W0921A

Analysis Date: 09/21/2010 11:15

Sample ID: MBLK MS12W0921A

Units : µg/L

Run ID: MSD_12_100921A

Prep Date: 09/21/2010 11:15

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloroform	ND		1							
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.73		10		97	70	130			

Laboratory Control Spike

File ID: 10092103.D

Type: LCS Test Code: EPA Method SW8260B

Batch ID: MS12W0921A

Analysis Date: 09/21/2010 10:52

Sample ID: LCS MS12W0921A

Units : µg/L

Run ID: MSD_12_100921A

Prep Date: 09/21/2010 10:52

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloroform	10.4	1	10		104	80	120			
Surr: 1,2-Dichloroethane-d4	9.9		10		99	70	130			
Surr: Toluene-d8	9.97		10		99.7	70	130			
Surr: 4-Bromofluorobenzene	10.6		10		106	70	130			

Sample Matrix Spike

File ID: 10092110.D

Type: MS Test Code: EPA Method SW8260B

Batch ID: MS12W0921A

Analysis Date: 09/21/2010 13:39

Sample ID: 10091505-01AMS

Units : µg/L

Run ID: MSD_12_100921A

Prep Date: 09/21/2010 13:39

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloroform	52.1	2.5	50	0	104	67	130			
Surr: 1,2-Dichloroethane-d4	50.6		50		101	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	52.1		50		104	70	130			

Sample Matrix Spike Duplicate

File ID: 10092111.D

Type: MSD Test Code: EPA Method SW8260B

Batch ID: MS12W0921A

Analysis Date: 09/21/2010 14:02

Sample ID: 10091505-01AMSD

Units : µg/L

Run ID: MSD_12_100921A

Prep Date: 09/21/2010 14:02

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloroform	51.1	2.5	50	0	102	67	130	52.14	1.9(20)	
Surr: 1,2-Dichloroethane-d4	49.1		50		98	70	130			
Surr: Toluene-d8	49.7		50		99	70	130			
Surr: 4-Bromofluorobenzene	52.3		50		105	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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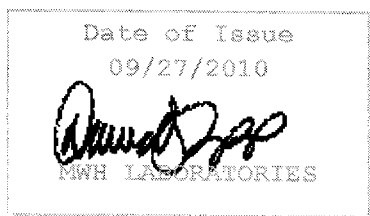
A Division of MWH Americas, Inc.

750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, NV 89431
Attention: Reyna Vallejo
Fax: 775-355-0406



Report#: 344277
Project: SUBCONTRACT
Group: Chlorate

DST: David S Tripp
Project Manager

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.



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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report: 344277

Alpha Analytical, Inc.
Reyna Vallejo
255 Glendale Avenue, Suite 21
Sparks, NV 89431

Samples Received on:
09/21/2010

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/23/2010 16:26	Chlorate by IC	<u>201009220356</u> <u>NGEM-TR-FL-SA-189-S7</u>	48		ug/L	10



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1 800 566 LABS (1 800 566 5227)

Alpha Analytical, Inc.
Reyna Vallejo
255 Glendale Avenue, Suite 21
Sparks, NV 89431

Laboratory Data
Report: 344277

Samples Received on:
09/21/2010

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
NGEM-TR-FL-SA-189-S7 (201009220356)						Sampled on 09/17/2010 1000		
Variable ID: PES10091725-01A								
EPA 300.0 - Disinfection ByProducts by 300.0								
09/23/2010	16:26	570369	(EPA 300.0)	Chlorate by IC	48	ug/L	10	1



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1 800 566 LABS (1 800 566 5227)

Alpha Analytical, Inc.
Reyna Vallejo
255 Glendale Avenue, Suite 21
Sparks, NV 89431

**Laboratory Comments
Report: #344277**



MWH

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Laboratory
QC Summary: 344277

Alpha Analytical, Inc.

QC Ref # 570369 - Disinfection ByProducts by 300.0

201009220356

NGEM-TR-FL-SA-189-S7

Analysis Date: 09/23/2010

Analyzed by: LUPE



MWH

LABORATORIES

A Division of MWH Americas, Inc.

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Monrovia, California, 91016-3629
Tel: 626 386 1100
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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report: 344277

Alpha Analytical, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 570369 - Disinfection ByProducts by 300.0 by EPA 300.0					Analysis Date: 09/23/2010				
LCS1	Chlorate by IC		200	200	ug/L	100	(90-110)		
LCS2	Chlorate by IC		200	193	ug/L	96	(90-110)	20	3.6
MBLK	Chlorate by IC			<10	ug/L				
MRL_CHK	Chlorate by IC		10	10.3	ug/L	103	(75-125)		
MS_201009130198	Chlorate by IC	26	100	127	ug/L	101	(80-120)		
MS_201009160355	Chlorate by IC	ND	100	105	ug/L	98	(80-120)		
MSD_201009130198	Chlorate by IC	26	100	127	ug/L	100	(80-120)	15	1
MSD_201009160355	Chlorate by IC	ND	100	102	ug/L	95	(80-120)	15	2.9

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS or CCC. Criteria for duplicates are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)



750 Royal Oaks Drive Suite 100, Monrovia, Ca 91016
Phone 626-386-1100/Fax: 626-386-1101

Acknowledgement of Samples Received

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21
Sparks, NV 89431
Attn: Reyna Vallejo
Phone: 775-355-1044

Customer Code: ALPHA-NV

Group #: 344277

Project #: SUBCONTRACT

Sample Group: Chlorate

Project Manager: David S Tripp

Phone: (626) 386-1158

PO# PES10091725

The following samples were received from you on **September 21, 2010**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample Id	Sample Date
201009220356	NGEM-TR-FL-SA-189-S7	17-Sep-2010 1000
	Variable ID: PES10091725-01A	
	Chlorate by IC	

Test Description

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

September 22, 2010

CLS Work Order #: CTI0725

COC #:

Reyna Vallejo
Alpha Analytical, Inc.-Sparks
255 Glendale Ave.; Suite 21
Sparks, NV 89431

Project Name: PES10091725

Enclosed are the results of analyses for samples received by the laboratory on 09/17/10 14:05. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

Page 2 of 8

09/22/10 12:40

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PES10091725-01A (NGEM-TR-FL-SA-189-S7) (CTI0725-01) Water Sampled: 09/17/10 10:00 Received: 09/17/10 14:05 QRL-9									
Hexachlorobenzene	ND	0.21	µg/L	1	CT07003	09/21/10	09/22/10	EPA 8081A	
Endrin ketone	ND	0.21	"	"	"	"	"	"	
Aldrin	ND	0.21	"	"	"	"	"	"	
alpha-BHC	ND	0.21	"	"	"	"	"	"	
beta-BHC	ND	0.21	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	0.21	"	"	"	"	"	"	
delta-BHC	ND	0.21	"	"	"	"	"	"	
Chlordane	ND	2.1	"	"	"	"	"	"	
4,4'-DDD	ND	0.42	"	"	"	"	"	"	
4,4'-DDE	ND	0.42	"	"	"	"	"	"	
4,4'-DDT	ND	0.42	"	"	"	"	"	"	
Dieldrin	ND	0.42	"	"	"	"	"	"	
Endosulfan I	ND	0.21	"	"	"	"	"	"	
Endosulfan II	ND	0.42	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.42	"	"	"	"	"	"	
Endrin	ND	0.42	"	"	"	"	"	"	
Endrin aldehyde	ND	0.42	"	"	"	"	"	"	
Heptachlor	ND	0.21	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.21	"	"	"	"	"	"	
Methoxychlor	ND	2.1	"	"	"	"	"	"	
Toxaphene	ND	4.2	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 71 % 43-147 " " " "

Surrogate: Decachlorobiphenyl 103 % 43-139 " " " "

PES10091725-02A (NGEM-TR-FL-SA-189-Post Soil) (CTI0725-02) Soil Sampled: 09/17/10 11:15 Received: 09/17/10 14:05									
Hexachlorobenzene	ND	50	µg/kg	10	CT06957	09/17/10	09/20/10	EPA 8081A	
Endrin ketone	ND	50	"	"	"	"	"	"	
Aldrin	ND	10	"	"	"	"	"	"	
alpha-BHC	ND	20	"	"	"	"	"	"	
beta-BHC	ND	100	"	"	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PES10091725-02A (NGEM-TR-FL-SA-189-Post Soil) (CTI0725-02) Soil Sampled: 09/17/10 11:15 Received: 09/17/10 14:05									
delta-BHC	ND	100	µg/kg	10	CT06957	"	09/20/10	EPA 8081A	
gamma-BHC (Lindane)	ND	100	"	"	"	"	"	"	
Chlordane-technical	ND	200	"	"	"	"	"	"	
4,4'-DDD	ND	150	"	"	"	"	"	"	
4,4'-DDE	ND	150	"	"	"	"	"	"	
4,4'-DDT	ND	150	"	"	"	"	"	"	
Dieldrin	ND	10	"	"	"	"	"	"	
Endosulfan I	ND	150	"	"	"	"	"	"	
Endosulfan II	ND	150	"	"	"	"	"	"	
Endosulfan sulfate	ND	150	"	"	"	"	"	"	
Endrin	ND	150	"	"	"	"	"	"	
Endrin aldehyde	ND	150	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	150	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
<hr/>									
Surrogate: Tetrachloro-meta-xylene		91 %		46-139	"	"	"	"	
Surrogate: Decachlorobiphenyl		81 %		52-141	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT06957 - LUFT-DHS GCNV

Blank (CT06957-BLK1)

Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	2.0	"							
beta-BHC	ND	10	"							
delta-BHC	ND	10	"							
gamma-BHC (Lindane)	ND	10	"							
Chlordane-technical	ND	20	"							
4,4'-DDD	ND	15	"							
4,4'-DDE	ND	15	"							
4,4'-DDT	ND	15	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	15	"							
Endosulfan II	ND	15	"							
Endosulfan sulfate	ND	15	"							
Endrin	ND	15	"							
Endrin aldehyde	ND	15	"							
Heptachlor	ND	5.0	"							
Heptachlor epoxide	ND	2.0	"							
Methoxychlor	ND	15	"							
Mirex	ND	10	"							
Toxaphene	ND	20	"							
<i>Surrogate: Tetrachloro-meta-xylene</i>	6.17		"	8.33		74	46-139			
<i>Surrogate: Decachlorobiphenyl</i>	8.40		"	8.33		101	52-141			

LCS (CT06957-BS1)

Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	10.9	1.0	µg/kg	16.7		65	47-132			
gamma-BHC (Lindane)	12.2	10	"	16.7		73	56-133			
4,4'-DDT	11.4	15	"	16.7		68	46-137			
Dieldrin	13.2	1.0	"	16.7		79	44-143			
Endrin	15.6	15	"	16.7		94	30-147			
Heptachlor	10.9	5.0	"	16.7		65	33-148			
<i>Surrogate: Tetrachloro-meta-xylene</i>	5.27		"	8.33		63	46-139			

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT06957 - LUFT-DHS GCNV

LCS (CT06957-BS1) Prepared: 09/17/10 Analyzed: 09/20/10

Surrogate: Decachlorobiphenyl	8.46		µg/kg	8.33		102	52-141			
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LCS Dup (CT06957-BSD1) Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	11.2	1.0	µg/kg	16.7		67	47-132	3	30	
gamma-BHC (Lindane)	12.6	10	"	16.7		76	56-133	3	30	
4,4'-DDT	12.1	15	"	16.7		73	46-137	6	30	
Dieldrin	13.8	1.0	"	16.7		83	44-143	5	30	
Endrin	16.3	15	"	16.7		98	30-147	5	30	
Heptachlor	11.3	5.0	"	16.7		68	33-148	4	30	

Surrogate: Tetrachloro-meta-xylene	5.58		"	8.33		67	46-139			
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Surrogate: Decachlorobiphenyl	8.00		"	8.33		96	52-141			
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Matrix Spike (CT06957-MS1) Source: CTI0661-01 Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	16.2	10	µg/kg	16.7	ND	97	47-138			
gamma-BHC (Lindane)	12.0	100	"	16.7	ND	72	38-144			
4,4'-DDT	14.4	150	"	16.7	ND	86	41-157			
Dieldrin	17.2	10	"	16.7	ND	103	46-155			
Endrin	19.8	150	"	16.7	ND	119	34-149			
Heptachlor	15.6	50	"	16.7	ND	93	36-155			

Surrogate: Tetrachloro-meta-xylene	19.8		"	20.8		95	46-139			
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Surrogate: Decachlorobiphenyl	23.1		"	20.8		111	52-141			
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Matrix Spike Dup (CT06957-MSD1) Source: CTI0661-01 Prepared: 09/17/10 Analyzed: 09/20/10

Aldrin	15.2	10	µg/kg	16.7	ND	91	47-138	6	35	
gamma-BHC (Lindane)	12.3	100	"	16.7	ND	74	38-144	2	35	
4,4'-DDT	12.7	150	"	16.7	ND	76	41-157	12	35	
Dieldrin	15.8	10	"	16.7	ND	95	46-155	9	35	
Endrin	17.5	150	"	16.7	ND	105	34-149	13	35	
Heptachlor	16.0	50	"	16.7	ND	96	36-155	3	35	

Surrogate: Tetrachloro-meta-xylene	19.4		"	20.8		93	46-139			
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Surrogate: Decachlorobiphenyl	21.8		"	20.8		104	52-141			
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CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT07003 - EPA 3510B GCNV

Blank (CT07003-BLK1)

Prepared: 09/21/10 Analyzed: 09/22/10

Endrin ketone	ND	0.050	µg/L							
Hexachlorobenzene	ND	0.050	"							
Aldrin	ND	0.050	"							
alpha-BHC	ND	0.050	"							
beta-BHC	ND	0.050	"							
gamma-BHC (Lindane)	ND	0.050	"							
delta-BHC	ND	0.050	"							
Chlordane	ND	0.50	"							
4,4'-DDD	ND	0.10	"							
4,4'-DDE	ND	0.10	"							
4,4'-DDT	ND	0.10	"							
Dieldrin	ND	0.10	"							
Endosulfan I	ND	0.050	"							
Endosulfan II	ND	0.10	"							
Endosulfan sulfate	ND	0.10	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.10	"							
Heptachlor	ND	0.050	"							
Heptachlor epoxide	ND	0.050	"							
Methoxychlor	ND	0.50	"							
Toxaphene	ND	1.0	"							
<i>Surrogate: Tetrachloro-meta-xylene</i>	<i>0.180</i>		<i>"</i>	<i>0.250</i>		<i>72</i>	<i>43-147</i>			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.274</i>		<i>"</i>	<i>0.250</i>		<i>110</i>	<i>43-139</i>			

LCS (CT07003-BS1)

Prepared: 09/21/10 Analyzed: 09/22/10

Aldrin	0.362	0.050	µg/L	0.500		72	50-130			
gamma-BHC (Lindane)	0.440	0.050	"	0.500		88	50-130			
4,4'-DDT	0.384	0.10	"	0.500		77	50-134			
Dieldrin	0.439	0.10	"	0.500		88	48-129			
Endrin	0.524	0.10	"	0.500		105	30-147			
Heptachlor	0.385	0.050	"	0.500		77	34-137			

CALIFORNIA LABORATORY SERVICES

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT07003 - EPA 3510B GCNV

LCS (CT07003-BS1)

Prepared: 09/21/10 Analyzed: 09/22/10

Surrogate: Tetrachloro-meta-xylene	0.186		µg/L	0.250		75	43-147			
Surrogate: Decachlorobiphenyl	0.263		"	0.250		105	43-139			

LCS Dup (CT07003-BSD1)

Prepared: 09/21/10 Analyzed: 09/22/10

Aldrin	0.356	0.050	µg/L	0.500		71	50-130	2	30	
gamma-BHC (Lindane)	0.438	0.050	"	0.500		88	50-130	0.6	30	
4,4'-DDT	0.396	0.10	"	0.500		79	50-134	3	30	
Dieldrin	0.444	0.10	"	0.500		89	48-129	1	30	
Endrin	0.532	0.10	"	0.500		106	30-147	1	30	
Heptachlor	0.374	0.050	"	0.500		75	34-137	3	30	
Surrogate: Tetrachloro-meta-xylene	0.183		"	0.250		73	43-147			
Surrogate: Decachlorobiphenyl	0.270		"	0.250		108	43-139			

CALIFORNIA LABORATORY SERVICES

Page 8 of 8

09/22/10 12:40

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: PES10091725 Project Number: PES10091725 Project Manager: Reyna Vallejo	CLS Work Order #: CTI0725 COC #:
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Notes and Definitions

- QRL-9 The elevated reporting limit is due to a smaller sample size used during the digestion/extraction because of sample matrix.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

CA DOHS ELAP Accreditation/Registration Number 1233



Laboratory Report

Report ID: 108357

**Sierra
Environmental
Monitoring, Inc.**

Alpha Analytical
Attn: Reyna Vallejo
255 Glendale Avenue Suite 21
Sparks, NV 89431

Date: 9/22/2010
Client: ALP-855
Taken by: Client
PO #:

Dear Reyna Vallejo,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

A handwritten signature in dark ink, appearing to be 'John Kobza', is written over a horizontal line.

Sierra Environmental Monitoring, Inc.

Date:

9/22/2010

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.



Laboratory Report
Report ID: 108357

**Sierra
Environmental
Monitoring, Inc.**

Alpha Analytical
Attn: Reyna Vallejo
255 Glendale Avenue Suite 21
Sparks, NV 89431

Date: 9/22/2010
Client: ALP-855
Taken by: Client
PO #:

Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received	Reporting Limit	Analyst	Date Analyzed	Data Flag
S201009-1171	PES10091725-01A-NGEM-TR-FL-SA-189-S7	9/17/2010	10:00 AM	9/20/2010				
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Total Recoverable Metals - Acid Dig	EPA 200.2	Completed			Kleinworth	9/20/2010		
Uranium - ICP-MS	EPA 200.8	0.011	mg/L	0.002	Li	9/20/2010		

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received	Reporting Limit	Analyst	Date Analyzed	Data Flag
S201009-1172	PES10091725-02A-NGEM-TR-FL-SA-189-Post Soil	9/17/2010	11:15 AM	9/20/2010				
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Total Recoverable Metals - Acid Dig	EPA 200.2	Completed			Kleinworth	9/20/2010		
Uranium - ICP-MS	EPA 200.8	1	mg/Kg	1	Li	9/20/2010		

Data Flag Legend:



Laboratory Report
Report ID: 108357

**Sierra
 Environmental
 Monitoring, Inc.**

Alpha Analytical
 Attn: Reyna Vallejo
 255 Glendale Avenue Suite 21
 Sparks, NV 89431

Date: 9/22/2010
Client: ALP-855
Taken by: Client
PO #:

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Uranium - ICP-MS	96.0	104.0	106.0	1.90	<0.002 mg/L
Uranium - ICP-MS	96.0	100.0	101.0	1.28	<1 mg/Kg

Legend: *LCS- Laboratory Control Standard* *MS- Matrix Spike* *MSD- Matrix Spike Duplicate*
RPD- Relative Percent Difference

Billing Information :

CHAIN-OF-CUSTODY RECORD

RUSH!

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : PES10091725
Report Due By : 5:00 PM On : 22-Sep-10
Perchlorate due 9-21-10

Client:
 Prima Environmental
 5070 Robert J. Mathews Parkway
 Suite 300
 El Dorado Hills, CA 95762

Report Attention Phone Number Email Address
 Cindy Schreier (916) 939-7300 x data@primaenvironmental.com

EDD Required : No

Sampled by : CL

Client's COC # : 32807, 32806 Job : NGENM-TR-FL
 Cooler Temp Samples Received Date Printed
 1 °C 17-Sep-10 20-Sep-10

OC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles			Requested Tests		Sample Remarks							
			Alpha	Sub	TAT	300_0(D)_W	300_0_W		314_S	314_W	8081_S	8081_W	ALKALINIT Y_W	AMMONIA_W	
PES10091725-01A	NGEM-TR-FL-SA-189-S7	09/17/10 10:00	11	4	2	Br, Cl, F, PO4, NO3, SO4	Chlorate	Br, Cl, F, PO4, NO3, SO4	Chlorate	Perchlorate	8081+Hexachlorobenzene	8081+Hexachlorobenzene	Total HCO3, Hydroxide	NH3	Metals field filtered, High Conductivity, TOC pH=2.
PES10091725-02A	NGEM-TR-FL-SA-189-Post Soil	09/17/10 11:15	1	1	2		Perchlorate								

Comments:
 48 HR TAT. Perchlorate on 24 HR TAT. due 9/21/10. Chain prelogged in order for Sac office to sub 8081 to CLS. Remaining samples rec'd 9/18/10. Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until Monday login. Chlorate : subbed to Mont. Watson by Sac. Uranium subbed to SEM. Containers don't have NGENM-TR-FL at the beginning of the ID. PO4 rec'd outside of hold time. NO3 rec'd outside of hold time for an unpreserved bottle. the preserved bottle will be used for analysis.

Logged in by: K Murray Signature K Murray Print Name
 Alpha Analytical, Inc. Company 9/20/10 0915 Date/Time

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQA(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV RUSH!

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : PES10091725
Report Due By : 5:00 PM On : 22-Sep-10

Client: Prina Environmental
 5070 Robert J. Mathews Parkway
 Suite 300
 El Dorado Hills, CA 95762

Report Attention: Cindy Schreier
 Phone Number: (916) 939-7300 x
 Email Address: data@prinaenvironmental.com

Job : NGENM-TR-FL
 Client's COC # : 32807, 32806 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates
 QC Level : S3
 EDD Required : No
 Sampled by : CL
 Cooler Temp : 1 °C
 Samples Received : 17-Sep-10
 Date Printed : 20-Sep-10

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles		TAT	Requested Tests					Sample Remarks			
			Alpha	Sub		METALS_A DD_DS	METALS_A DD_SO	METALS_D S	METALS_S O	TDS_W		TOC_W	TSS_W	VOC_W
PES10091725-01A	NGEM-TR-FL-SA-189-S7	09/17/10 10:00	11	4	2	Uranium, Dissolved		Special List		TDS/TSS	TOC	TDS/TSS	Chloroform-N	Metals field filtered. High Conductivity. TOC pH=2.
PES10091725-02A	NGEM-TR-FL-SA-189-Post Soil	09/17/10 11:15	1	1	2	Uranium		Special List						

Comments: 48 HR TAT. Perchlorate on 24 HR TAT. due 9/21/10. Chain prelogged in order for Sac office to sub 8081 to CLS. Remaining samples rec'd 9/18/10. Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until Monday login. Chlorate : subbed to Mont. Watson by Sac. Uranium subbed to SEM. Containers don't have NGENM-TR-FL at the beginning of the ID. PO4 rec'd outside of hold time. NO3 rec'd outside of hold time for an unpreserved bottle. the preserved bottle will be used for analysis.

Logged in by: *K Murray* *K Murray*
 Signature: _____ Print Name: _____
 Company: Alpha Analytical, Inc. Date/Time: 9/20/10 09:15

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQA(Aqueous) AR(Air) SO(Soil) WSW(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

CO **PRIMA ENVIRONMENTAL, Inc.**
 Attn: 5070 Robert J. Matthews Pkwy, Ste 300
 AdelEI Dorado Hills, CA 95762
 City/PH: 916-939-7300
 Pri/FAX: 916-939-7398



Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21
 Sparks, Nevada 89431-5778
 Phone (775) 355-1044
 Fax (775) 355-0406

Samples Collected From Which States?
 AZ CA NV WA OR OTHER

DOD Site # 1 of 2
 Page # 1 of 2

32807

Consultant / Client Name

Address

City, State, Zip

Time Sampled

Date Sampled

Matrix* See Key Below

P.O. #

Lab ID Number (Use Office)

Job #

Name: Cindy Schroier

Email: data@primaenvironmental.com

Phone: _____

Report Attention / Project Manager

Job Name: N6EM-TR-FL

Sample Description

TAT

Field Filled

Containers**

Analyses Required

Perchlorate (314)

Alk Total bicarb, NADA (301.1)

Ammonia (3503)

Anions (300)

Chlorate (300)

Metals (6020)

TDS (100.1)

Data Validation Level: III or IV

REMARKS

Global ID #

EDD / EDF? YES ___ NO ___

Time

Date

Time

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number (Use Office)	Job #	Name: Cindy Schroier	Email: data@primaenvironmental.com	Phone: _____	Report Attention / Project Manager	Job Name: N6EM-TR-FL	Sample Description	TAT	Field Filled	# Containers**	Analyses Required	Data Validation Level: III or IV	REMARKS
1000	9/17/10	AQ		RES10091725-01							N6EM-TR-FL-SA-189-S7	24h		3-V	X		Anions: Br, Cl, F
1000	9/17/10	AQ									N6EM-TR-FL-SA-189-S7	2d		4-P	X		Metals (Field Filtered)
	9/17/10	SO									N6EM-TR-FL-SA-189-S7	24h					AS, B, Ca, Cr, Co
	9/17/10	SO									N6EM-TR-FL-SA-189-S7	2d					Fe, K, Pb, Mg, Mn
	9/17/10	SO									N6EM-TR-FL-SA-189-S7	2d					Na, U
																	Sample Containers Do not have N6EM-TR-FL @ the beginning of the

ADDITIONAL INSTRUCTIONS:

Substo LIS and MSH = #10091725

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action (NAC 445.0636 (c) (2)). Sampled By: EL

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
<u>Catherine Bremer</u> PRIMA	<u>Barbara Davis</u>	9-17-10	1330
<u>Barbara Davis</u>	<u>Barbara Davis</u>	9/20/10	0905

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
 NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:

Comp **PRIMA ENVIRONMENTAL, Inc.**
 Attn: - 5070 Robert J. Mathews Pkwy, Ste 300
 Address EI Dorado Hills, CA 95762
 City, SPh: 916-939-7300
 Phone FAX: 916-939-7398



Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21
 Sparks, Nevada 89431-5778
 Phone (775) 355-1044
 Fax (775) 355-0406

Samples Collected From Which State?
 AZ CA NV WA
 ID OR OTHER

DOD Site **Page #** 2 **of** 2

Analyses Required

TOC (9060)
 TSS (160.2)
 8081a
 Chloroform (826)

Data Validation
 Level: III or IV

EDD / EDF? YES NO
 Global ID # _____

REMARKS

8081a = organochlorine pesticides + hexachlorobenzene
 high conductivity

Time Sampled	Date Sampled	Matrix* See Key Below	PO #	Lab ID Number (Use Only)	Office (Use Only)	Job #	Job Name	Report Attention / Project Manager	Name:	Em:	Phc	Sample Description	TAT	Field Filtered	# Containers**	Analyses Required	Data Validation	EDD / EDF?	REMARKS	
11:55	9/17/10	AQ	PS10091725-01	06EM-TR-FL-SA-189-87	2d	06EM-TR-FL	06EM-TR-FL	Cindy Schreier	data@primaenvironmental.com		06EM-TR-FL-SA-189-187SA	2d		3425L	X	X	X			
		SD																		

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample and am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action (NAC 445.0636 (c) (2)). Sampled By: [Signature]

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
<u>[Signature]</u> PRIMA	<u>[Signature]</u>	9-17-10	1330
<u>[Signature]</u> 9-17-10 1500	<u>[Signature]</u>	9/20/10	0905

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air ** L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.



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 : 73955

Date : 08/04/2010

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

Project Number :

Sample : **NGEM-TRON-FI-GW**

Matrix : Water

Lab Number : 73955-01

Sample Date :07/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 7199	07/30/10 10:49

Report Number : 73955

Date : 08/04/2010

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	07/30/2010						

Report Number : 73955

Date : 08/04/2010

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	73954-03	3.2	5.00	5.00	8.23	8.29	ug/L	EPA 7199	7/30/10	102	103	0.799	90.0-110	10

Report Number : 73955

Date : 08/04/2010

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	7/30/10	103	90.0-110



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

SRG # / Lab No. **73955**

Project Contact (Hardcopy or PDF To):		California EDF Report?		Yes		No									
PRIMA ENVIRONMENTAL, Inc. 5070 Robert J. Mathews Parkway, Suite 300 El Dorado Hills, CA 95762 PH: 916-939-7300 FAX: 916-939-7398				Sampling Company Log Code:											
Project Name: NGBM - TRAW - FL				Sampler Signature: <i>CK</i>											
Project Address:				Container		Preservative		Matrix							
Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air		
NGBM - TRAW - FL - G1W	7/27/10	1320		X						X	X				
Analysis Request				circle method		Date		Time		Temp °C		Therm. ID #		Coolant Present	
Volatile Organics Full List (EPA 8260B) Volatile Halocarbons (EPA 8260B) Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B) 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B) 5 Oxygenates (MTBE, DPE, ETBE, TAME, TBA) (EPA 8260B) TPH Gas (EPA 8260B) BTEX (EPA 8260B) MTBE @ 0.5 ppb (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 7199 (or (W))		Date: _____ Time: _____ Temp °C: _____ Therm. ID #: _____ Coolant Present: Yes / No							
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 7199 (or (W))		Date: _____ Time: _____ Temp °C: _____ Therm. ID #: _____ Coolant Present: Yes / No									
Volatile Organics Full List (EPA 8260B) Volatile Halocarbons (EPA 8260B) Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B) 7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B) 5 Oxygenates (MTBE, DPE, ETBE, TAME, TBA) (EPA 8260B) TPH Gas (EPA 8260B) BTEX (EPA 8260B) MTBE @ 0.5 ppb (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)		Date: _____ Time: _____ Temp °C: _____ Therm. ID #: _____ Coolant Present: Yes / No									

Relinquished by: *Catherine Ryznar*
 Relinquished by: _____
 Relinquished by: _____

Received by: _____
 Received by: _____
 Received by Laboratory: *KIFF Analytical*

Date: 072910 1424
 Date: _____
 Date: _____

Distribution: White - Lab; Pink - Originator
Rev: 031308

SAMPLE RECEIPT CHECKLIST

RECEIVER
LJR
Initials

SRG#: 73955

Date: 072910

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 -0.4 Therm. ID# IR-S Initial LJR Date/Time 072910/1625 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: 072910 Time: 1627

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

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

Case Narrative

Values reported between the Method Detection Limit (MDL) and Method Reporting Limit (MRL) are flagged with a 'J', meaning that they should be considered estimates. The hexavalent chromium value likely has both high and low biases due to various interferences and laboratory contamination.



Report Number : 74345

Date : 09/02/2010

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

Project Number :

Sample : **NGEM-TRON-FL-RSAM-5-S1**

Matrix : Water

Lab Number : 74345-01

Sample Date :08/30/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	4.5 J	2.5	ug/L	EPA 7199	08/31/10 13:45

Report Number : 74345

Date : 09/02/2010

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	< 0.5	0.5	ug/L	EPA 7199	08/31/2010						

Report Number : 74345

Date : 09/02/2010

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	74321-02	< 1.0	5.00	5.00	5.21	5.24	ug/L	EPA 7199	8/31/10	100	101	0.615	90.0-110	10

Report Number : 74345

Date : 09/02/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TRON-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	8/31/10	103	90.0-110



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

SRG # / Lab No. 74345

Page 1 of 1

PRIMA ENVIRONMENTAL, Inc. C5070 Robert J. Mathews Pkwy, Ste 300 El Dorado Hills, CA 95762 PPH: 916-939-7300 FAX: 916-939-7398		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No Sampling Company Log Code: Global ID: EI <u>data@primaenvironmental.com</u> Bill to:		Project #: _____ P.O. #: _____ Project Name: <u>NGEM-TRON-FL</u>		Sampler Print Name: <u>Catherine Lighari</u> Sampler Signature: 		Container: _____ Matrix: Sampling: _____ Date: _____ Time: _____ Date: <u>8/30/10</u> Time: <u>1430</u> Sample Designation: <u>NGEM-TRON-FL-RSAM-5-s1</u>		MTRB @ 0.5 ppb (EPA 8260B) BTEX (EPA 8260B) TPH Gas (EPA 8260B) 5 Oxygenates (MTBE, DPE, 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)		Analysis Request CIRCLE METHOD For Lab Use Only		TAT <input type="checkbox"/> 12 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 1 wk <u>5 d</u> <u>X 21</u>	
Reinquished by: <u>Catherine Lighari</u>		Date: <u>8/30/10</u>		Time Received by: <u>Red EX</u>		Date: _____		Time Received by: _____		Remarks: <u>Conductivity ~ 260 mS</u>					
Reinquished by: _____		Date: _____		Time Received by Laboratory: _____		Date: <u>083110</u>		Time Received by Laboratory: _____		Signature:					



Laboratory Results

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

Subject : 3 Water Samples
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

Subject : 3 Water Samples
Project Name : NGEM-TRON-FL
Project Number :

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples NGEM-TRON-FL-RSAM-5-S2, NGEM-TRON-FL-RSAM-6-S1 and NGEM-TRON-FL-SA-189-S1 for the analyte Hexavalent Chromium were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

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

Project Number :

Sample : **NGEM-TRON-FL-RSAM-5-S2**

Matrix : Water

Lab Number : 74351-01

Sample Date :08/31/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	14	10	ug/L	EPA 7199	09/01/10 10:01

Sample : **NGEM-TRON-FL-RSAM-6-S1**

Matrix : Water

Lab Number : 74351-02

Sample Date :08/31/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	3.9	1.0	ug/L	EPA 7199	09/01/10 11:07

Sample : **NGEM-TRON-FL-SA-189-S1**

Matrix : Water

Lab Number : 74351-03

Sample Date :08/31/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	3.8	1.0	ug/L	EPA 7199	09/01/10 11:17

Report Number : 74351

Date : 09/03/2010

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	09/01/2010						

Report Number : 74351

Date : 09/03/2010

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

74350-01	10	5.00	5.00	5.00	14.7	14.6	ug/L	EPA 7199	9/1/10	89.8	88.5	0.450	90.0-110	10
----------	----	------	------	------	------	------	------	----------	--------	------	------	-------	----------	----

Report Number : 74351

Date : 09/03/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **NGEM-TRON-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	9/1/10	95.1	90.0-110

SAMPLE RECEIPT CHECKLIST

RECEIVER
TJB
Initials

SRG#: 74351 Date: 083110

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 5.4 Therm. ID# IR-5 Initial TJB Date/Time 083110/1628 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 3
 Matrix _____ Container type _____ # of containers received _____
 Matrix _____ Container type _____ # of containers received _____
 Date and Time Sample Put into Temp Storage Date: 083110 Time: 1631

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:

74351 (all containers have no sample time) 083010 MAB



Laboratory Results

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

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

Dear Ms. Ackerman,

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 : 74364

Date : 09/03/2010

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

Project Number :

Sample : **NGEM-TRON-FL-RSAM-5-S3**

Matrix : Water

Lab Number : 74364-01

Sample Date :09/01/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	110	10	ug/L	EPA 7199	09/02/10 10:35

Sample : **NGEM-TRON-FL-RSAM-6-S2**

Matrix : Water

Lab Number : 74364-02

Sample Date :09/01/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	7.9	5.0	ug/L	EPA 7199	09/02/10 10:26

Report Number : 74364

Date : 09/03/2010

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	09/02/2010						

Report Number : 74364

Date : 09/03/2010

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	74352-01	3.3	5.00	5.00	8.34	8.14	ug/L	EPA 7199	9/2/10	101	97.4	2.49	90.0-110	10

Report Number : 74364

Date : 09/03/2010

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	9/2/10	104	90.0-110



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

74364

SRG # / Lab No.

Page

of

Project Contact / Hardware

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 data@primaenvironmental.com

Bill to:

Sampler Print Name:

Sampler Signature: *CA*

Project #:

P.O. #:

Project Name:

NGEM-TRON-FL

Project Address:

Sampling

Container

Preservative

Matrix

Sample Designation
 NGEM-TRON-FL-PSAM-53
 -PSAM-6-52
 SA-189-52

Date

Time

40 ml VOA

Sleeve

Poly

Glass

Tedlar

HCl

HNO₃

None

Water

Soil

Air

Relinquished by: *DS*

Date

Time

Received by:

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

09/11/10 1504 *Paul White Kiff Analytical*

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, DIPE, 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)

(7199) *CA*

For Lab Use Only

TAT

12 hr

24 hr

48hr

72hr

1 wk

5 days

X 01

X 02

X *9/11/10*

Remarks: High Conductivity

SAMPLE RECEIPT CHECKLIST

SRG#: 74364 Date: 090110
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 0.2 Therm. ID# IR-S Initial LJR Date/Time 090110/1712 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: 090110 Time: 1712

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-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 : 74387

Date : 09/09/2010

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

Project Number :

Sample : **NGEM-TRON-FL-RSAM-5-54**

Matrix : Water

Lab Number : 74387-01

Sample Date :09/02/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	150	10	ug/L	EPA 7199	09/03/10 08:19

Sample : **NGEM-TRON-FL-RSAM-6-53**

Matrix : Water

Lab Number : 74387-02

Sample Date :09/02/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	6.0	1.0	ug/L	EPA 7199	09/03/10 07:11

Report Number : 74387

Date : 09/09/2010

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	09/03/2010						

Report Number : 74387

Date : 09/09/2010

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	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 : 74387

Date : 09/09/2010

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	9/3/10	108	90.0-110



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Lab: 530.297.4800
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74387

SRG # / Lab No.

Page

of

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 data@primaenvironmental.com

Project #:

P.O. #:

Project Name:

NGEM-TRON-FL

Sampler Print Name:

Cathy Lygwen

Sampler Signature:

CS

Project Address:

Sampling

Container

Preservative

Matrix

Sample Designation

NGEM-TRON-FL-RSAM-5-54

-RSAM-6-53

-SA-184-53

Date

Time

9/2/10 1400

1400

40 ml VOA

Greave

Poly

Glass

Tedlar

HCl

HNO₃

None

Water

Soil

Air

Chain-of-Custody Record and Analysis Request

Analysis Request

CIRCLE METHOD

TAT

12 hr

24 hr

48hr

72hr

1 wk

5 days

10

02

MTBE @ 0.5 ppb (EPA 8260B)	
BTEX (EPA 8260B)	
TPH Gas (EPA 8260B)	
5 Oxygenates (MTBE, D1PE, 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)	

Remarks:

High Conductivity

Relinquished by:

CS

Date

9/2/10

Relinquished by:

Received by:

Date

Relinquished by:

Date

09/02/10 1501

Received by laboratory:

[Signature] Kiff Analytical

SAMPLE RECEIPT CHECKLIST

SRG#: 74387 Date: 090210
 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: 3.6 Yes No (includes water)
 Temperature °C 3.6 Therm. ID# IR-5 Initial LJR Date/Time 090210/1647 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: 090210 Time: 1647

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:

