



TESTING TODAY, PROTECTING TOMORROW

WWW.SHERRYLABS.COM

P.O. Box 81816

Lafayette, LA 70598-1816

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(800) 737-2378

2417 West Pinhook Road

Lafayette, LA 70508-3344

Telephone (337) 235-0483

Test Report

Jon Miller

Michael Pisani & Associates

1100 Poydras Street, Suite 1430

New Orleans, LA 70163

TEL: (504) 582-2468

FAX (504) 582-2470

March 26, 2010

Order No.: L10030367

RE: East White Lake 07-47

Dear Jon Miller:

Sherry Laboratories/Louisiana received 51 samples on 3/05/10 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form.

All soil data, except for 29-B, are on a wet-weight basis unless otherwise indicated.

LELAP Certification No.: 01997. A scope of accredited parameters is available upon request. A "#" by the test method indicates this parameter is outside the scope of accreditation.

Estimated uncertainty is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Jerry Landry

Laboratory Director

Approved By: _____

Annie Reedy

Assistant Laboratory Director

Total Pages in this Report 72



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Date: 26-Mar-10

CLIENT: Michael Pisani & Associates
Project: East White Lake 07-47
Lab Order: L10030367

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-01 **Collection Date:** 2/25/10 10:25
Matrix: SOIL

Sample ID: SED 1 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	13.9	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	14.9	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	18.5	0.100		meq	3/16/10 0:00	
Soluble Calcium	12.8	1.00		meq	3/16/10 0:00	
Soluble Magnesium	29.9	1.00		meq	3/16/10 0:00	
Soluble Sodium	85.7	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	381	46.3		mg/Kg-dry	3/12/10 17:07	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation
< - Not Detected at the Reporting Limit



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-02 **Collection Date:** 2/25/10 10:30
Matrix: SOIL

Sample ID: SED 1 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	28.2	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	25.9	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	19.2	0.100		meq	3/16/10 0:00	
Soluble Calcium	56.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	129	1.00		meq	3/16/10 0:00	
Soluble Sodium	185	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	349	46.7		mg/Kg-dry	3/12/10 17:16	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-03 **Collection Date:** 2/25/10 10:40
Matrix: SOIL

Sample ID: SED 1 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	18.4	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.3	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	11.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	22.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	123	1.00		meq	3/16/10 0:00	
Soluble Sodium	99.5	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	203	47.1		mg/Kg-dry	3/12/10 17:19	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-04 **Collection Date:** 2/25/10 11:00
Matrix: SOIL

Sample ID: SED 2 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	15.2	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	17.8	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	20.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	12.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	32.6	1.00		meq	3/16/10 0:00	
Soluble Sodium	94.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	339	47.3		mg/Kg-dry	3/12/10 17:36	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-05 **Collection Date:** 2/25/10 11:15
Matrix: SOIL

Sample ID: SED 2 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	20.6	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	23.9	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	22.4	0.100		meq	3/16/10 0:00	
Soluble Calcium	19.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	42.5	1.00		meq	3/16/10 0:00	
Soluble Sodium	124	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	216	46.8		mg/Kg-dry	3/12/10 17:39	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-06 **Collection Date:** 2/25/10 11:25
Matrix: SOIL

Sample ID: SED 2 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	17.4	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.4	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	12.6	0.100		meq	3/16/10 0:00	
Soluble Calcium	35.9	1.00		meq	3/16/10 0:00	
Soluble Magnesium	72.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	93.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	186	46.4		mg/Kg-dry	3/12/10 17:42	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-07 **Collection Date:** 2/25/10 11:45
Matrix: SOIL

Sample ID: SED 3 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	20.8	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	12.8	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	15.4	0.100		meq	3/16/10 0:00	
Soluble Calcium	37.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	88.1	1.00		meq	3/16/10 0:00	
Soluble Sodium	122	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	350	46.5		mg/Kg-dry	3/12/10 17:45	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-08 **Collection Date:** 2/25/10 12:00
Matrix: SOIL

Sample ID: SED 3 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	21.1	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	26.8	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	16.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	32.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	79.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	119	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	220	47.5		mg/Kg-dry	3/12/10 17:48	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-09 **Collection Date:** 2/25/10 12:15
Matrix: SOIL

Sample ID: SED 3 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	19.9	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	9.6	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.82	0.100		meq	3/16/10 0:00	
Soluble Calcium	20.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	147	1.00		meq	3/16/10 0:00	
Soluble Sodium	71.5	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	169	47.1		mg/Kg-dry	3/12/10 17:51	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-10 **Collection Date:** 2/25/10 13:15
Matrix: SOIL

Sample ID: SED 4 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	9.89	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.305	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	18.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	16.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	16.4	1.00		meq	3/16/10 0:00	
Soluble Sodium	72.6	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	718	46.1		mg/Kg-dry	3/12/10 17:54	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-11 **Collection Date:** 2/25/10 13:30
Matrix: SOIL

Sample ID: SED 5 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	10.1	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.6	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.152	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	8.48	0.100		meq	3/16/10 0:00	
Soluble Calcium	34.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	46.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	53.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	338	46.2		mg/Kg-dry	3/12/10 17:57	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

< - Not Detected at the Reporting Limit



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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-12 **Collection Date:** 2/25/10 13:45
Matrix: SOIL

Sample ID: SED 6 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	15.6	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	13.4	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	1.83	0.0500	*	% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	11.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	45.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	91.6	1.00		meq	3/16/10 0:00	
Soluble Sodium	90.7	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	915	46.8		mg/Kg-dry	3/12/10 18:00	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-13 **Collection Date:** 2/25/10 14:00
Matrix: SOIL

Sample ID: SED 7 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	15.7	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	15.4	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.223	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	14.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	21.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	57.5	1.00		meq	3/16/10 0:00	
Soluble Sodium	92.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	869	48.5		mg/Kg-dry	3/12/10 18:03	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-14 **Collection Date:** 2/25/10 14:15
Matrix: SOIL

Sample ID: SED 7 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	10.0	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.3	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.706	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.11	0.100		meq	3/16/10 0:00	
Soluble Calcium	31.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	42.7	1.00		meq	3/16/10 0:00	
Soluble Sodium	43.2	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,560	47.9		mg/Kg-dry	3/12/10 18:13	

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-15 **Collection Date:** 2/25/10 14:25
Matrix: SOIL

Sample ID: SED 7 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.4	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.518	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.69	0.100		meq	3/16/10 0:00	
Soluble Calcium	25.9	1.00		meq	3/16/10 0:00	
Soluble Magnesium	72.0	1.00		meq	3/16/10 0:00	
Soluble Sodium	53.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,780	46.6		mg/Kg-dry	3/12/10 18:16	

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-16 **Collection Date:** 2/25/10 14:50
Matrix: SOIL

Sample ID: SED 8 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.3	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	15.6	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.236	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	10.1	0.100		meq	3/16/10 0:00	
Soluble Calcium	27.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	76.5	1.00		meq	3/16/10 0:00	
Soluble Sodium	72.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	844	49.2		mg/Kg-dry	3/12/10 18:19	

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-17 **Collection Date:** 2/25/10 15:00
Matrix: SOIL

Sample ID: SED 8 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	10.9	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	12.7	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.184	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.82	0.100		meq	3/16/10 0:00	
Soluble Calcium	28.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	54.3	1.00		meq	3/16/10 0:00	
Soluble Sodium	50.2	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,150	46.5		mg/Kg-dry	3/12/10 18:22	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-18 **Collection Date:** 2/25/10 15:20
Matrix: SOIL

Sample ID: SED 9 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	13.6	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	17.6	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.110	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	10.5	0.100		meq	3/16/10 0:00	
Soluble Calcium	26.7	1.00		meq	3/16/10 0:00	
Soluble Magnesium	77.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	75.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	776	46.0		mg/Kg-dry	3/12/10 18:25	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-19 **Collection Date:** 2/25/10 15:40
Matrix: SOIL

Sample ID: SED 9 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.5	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	9.1	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.0963	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	6.92	0.100		meq	3/16/10 0:00	
Soluble Calcium	31.9	1.00		meq	3/16/10 0:00	
Soluble Magnesium	69.1	1.00		meq	3/16/10 0:00	
Soluble Sodium	49.2	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	955	45.8		mg/Kg-dry	3/12/10 18:28	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-20 **Collection Date:** 2/25/10 15:50
Matrix: SOIL

Sample ID: SED 10 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.0	0.100		mmhos/cm	3/13/10 13:20	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	15.8	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.205	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	20.2	0.100		meq	3/16/10 0:00	
Soluble Calcium	6.82	1.00		meq	3/16/10 0:00	
Soluble Magnesium	22.2	1.00		meq	3/16/10 0:00	
Soluble Sodium	76.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	907	45.9		mg/Kg-dry	3/12/10 18:31	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-21 **Collection Date:** 2/25/10 16:00
Matrix: SOIL

Sample ID: SED 10 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	12.2	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	12.0	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.184	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	12.1	0.100		meq	3/16/10 0:00	
Soluble Calcium	18.6	1.00		meq	3/16/10 0:00	
Soluble Magnesium	43.5	1.00		meq	3/16/10 0:00	
Soluble Sodium	67.2	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,270	45.9		mg/Kg-dry	3/12/10 18:50	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-22 **Collection Date:** 2/25/10 16:20
Matrix: SOIL

Sample ID: SED 11 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.7	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	6.8	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.469	0.0500		% dry wt	3/09/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	10.5	0.100		meq	3/16/10 0:00	
Soluble Calcium	19.8	1.00		meq	3/16/10 0:00	
Soluble Magnesium	46.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	60.3	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,310	48.9		mg/Kg-dry	3/12/10 19:00	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-23 **Collection Date:** 2/25/10 16:30
Matrix: SOIL

Sample ID: SED 11 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	8.10	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	5.7	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.251	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.40	0.100		meq	3/16/10 0:00	
Soluble Calcium	16.4	1.00		meq	3/16/10 0:00	
Soluble Magnesium	30.4	1.00		meq	3/16/10 0:00	
Soluble Sodium	35.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,450	48.1		mg/Kg-dry	3/12/10 19:03	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
* - Value exceeds MCL or Permit Limitation
< - Not Detected at the Reporting Limit



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-24 **Collection Date:** 2/25/10 16:45
Matrix: SOIL

Sample ID: SED 12 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.4	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	14.2	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.298	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	14.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	20.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	48.7	1.00		meq	3/16/10 0:00	
Soluble Sodium	82.3	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,300	48.6		mg/Kg-dry	3/12/10 19:06	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-25 **Collection Date:** 2/25/10 17:00
Matrix: SOIL

Sample ID: SED 12 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	7.99	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.4	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.801	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	9.35	0.100		meq	3/16/10 0:00	
Soluble Calcium	15.3	1.00		meq	3/16/10 0:00	
Soluble Magnesium	23.6	1.00		meq	3/16/10 0:00	
Soluble Sodium	41.3	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,100	48.7		mg/Kg-dry	3/12/10 19:09	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-26 **Collection Date:** 2/25/10 17:15
Matrix: SOIL

Sample ID: SED 12 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	8.19	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	7.9	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.621	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	9.30	0.100		meq	3/16/10 0:00	
Soluble Calcium	17.8	1.00		meq	3/16/10 0:00	
Soluble Magnesium	22.7	1.00		meq	3/16/10 0:00	
Soluble Sodium	41.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,290	46.2		mg/Kg-dry	3/12/10 19:12	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-27 **Collection Date:** 2/26/10 8:20
Matrix: SOIL

Sample ID: SED 13 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	17.6	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	16.9	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	17.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	27.4	1.00		meq	3/16/10 0:00	
Soluble Magnesium	48.7	1.00		meq	3/16/10 0:00	
Soluble Sodium	109	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,310	47.8		mg/Kg-dry	3/12/10 19:15	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MH+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-28 **Collection Date:** 2/26/10 8:30
Matrix: SOIL

Sample ID: SED 13 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	19.3	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	19.3	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	19.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	43.7	1.00		meq	3/16/10 0:00	
Soluble Magnesium	36.3	1.00		meq	3/16/10 0:00	
Soluble Sodium	120	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,510	45.5		mg/Kg-dry	3/12/10 19:18	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-29 **Collection Date:** 2/26/10 8:50
Matrix: SOIL

Sample ID: SED 14 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.5	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	17.3	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	15.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	13.6	1.00		meq	3/16/10 0:00	
Soluble Magnesium	50.2	1.00		meq	3/16/10 0:00	
Soluble Sodium	84.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,710	48.1		mg/Kg-dry	3/12/10 19:28	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-30 **Collection Date:** 2/26/10 9:00
Matrix: SOIL

Sample ID: SED 14 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	9.18	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	9.8	0.1		%	3/17/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	9.53	0.100		meq	3/16/10 0:00	
Soluble Calcium	14.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	28.9	1.00		meq	3/16/10 0:00	
Soluble Sodium	44.4	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,670	46.5		mg/Kg-dry	3/12/10 19:31	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-31 **Collection Date:** 2/26/10 9:25
Matrix: SOIL

Sample ID: SED 15 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	9.89	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	12.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	6.31	0.0500	*	% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	8.82	0.100		meq	3/16/10 0:00	
Soluble Calcium	42.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	35.5	1.00		meq	3/16/10 0:00	
Soluble Sodium	55.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	7,510	47.3		mg/Kg-dry	3/12/10 19:34	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-32 **Collection Date:** 2/26/10 9:35
Matrix: SOIL

Sample ID: SED 15 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	5.31	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	7.7	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	13.2	0.0500	*	% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	10.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	12.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	7.74	1.00		meq	3/16/10 0:00	
Soluble Sodium	33.7	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	3,130	46.4		mg/Kg-dry	3/12/10 19:37	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-33 **Collection Date:** 2/26/10 9:50
Matrix: SOIL

Sample ID: SED 16 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.9	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.2	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.202	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	16.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	17.9	1.00		meq	3/16/10 0:00	
Soluble Magnesium	47.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	92.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	339	46.0		mg/Kg-dry	3/12/10 19:40	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

< - Not Detected at the Reporting Limit



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Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-34 **Collection Date:** 2/26/10 10:10
Matrix: SOIL

Sample ID: SED 17 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.4	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	9.8	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.327	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	11.6	0.100		meq	3/16/10 0:00	
Soluble Calcium	26.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	75.2	1.00		meq	3/16/10 0:00	
Soluble Sodium	82.4	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	3,330	48.4		mg/Kg-dry	3/12/10 19:43	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

< - Not Detected at the Reporting Limit



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-35 **Collection Date:** 2/26/10 10:15
Matrix: SOIL

Sample ID: SED 17 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	9.48	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.6	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.376	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	13.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	9.54	1.00		meq	3/16/10 0:00	
Soluble Magnesium	27.1	1.00		meq	3/16/10 0:00	
Soluble Sodium	58.7	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	4,660	47.0		mg/Kg-dry	3/12/10 19:46	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-36 **Collection Date:** 2/26/10 10:20
Matrix: SOIL

Sample ID: SED 18 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	12.5	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.411	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	13.5	0.100		meq	3/16/10 0:00	
Soluble Calcium	21.8	1.00		meq	3/16/10 0:00	
Soluble Magnesium	35.3	1.00		meq	3/16/10 0:00	
Soluble Sodium	72.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	4,870	47.4		mg/Kg-dry	3/12/10 19:49	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MH+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-37 **Collection Date:** 2/26/10 10:30
Matrix: SOIL

Sample ID: SED 18 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	16.6	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	8.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.268	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	9.97	0.100		meq	3/16/10 0:00	
Soluble Calcium	52.4	1.00		meq	3/16/10 0:00	
Soluble Magnesium	99.2	1.00		meq	3/16/10 0:00	
Soluble Sodium	86.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	4,850	46.3		mg/Kg-dry	3/12/10 19:52	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-38 **Collection Date:** 2/26/10 10:45
Matrix: SOIL

Sample ID: SED 19 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	14.7	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	12.0	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.191	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	9.05	0.100		meq	3/16/10 0:00	
Soluble Calcium	37.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	77.6	1.00		meq	3/16/10 0:00	
Soluble Sodium	68.6	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	8,460	46.9		mg/Kg-dry	3/12/10 19:55	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MH+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-39 **Collection Date:** 2/26/10 10:55
Matrix: SOIL

Sample ID: SED 19 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.4	0.100		mmhos/cm	3/13/10 13:44	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	6.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.336	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	5.71	0.100		meq	3/16/10 0:00	
Soluble Calcium	26.0	1.00		meq	3/16/10 0:00	
Soluble Magnesium	78.0	1.00		meq	3/16/10 0:00	
Soluble Sodium	41.2	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	3,360	47.2		mg/Kg-dry	3/12/10 20:05	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-40 **Collection Date:** 2/26/10 11:20
Matrix: SOIL

Sample ID: SS-08 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.584	0.0500		% dry wt	3/11/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,790	46.3		mg/Kg-dry	3/12/10 20:08	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-41 **Collection Date:** 2/26/10 11:30
Matrix: SOIL

Sample ID: SS-08 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,060	47.1		mg/Kg-dry	3/15/10 18:59	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-42 **Collection Date:** 2/26/10 11:45
Matrix: SOIL

Sample ID: SS 10 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.343	0.0500		% dry wt	3/11/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,360	47.9		mg/Kg-dry	3/15/10 19:09	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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< - Not Detected at the Reporting Limit



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-43 **Collection Date:** 2/26/10 11:50
Matrix: SOIL

Sample ID: SS 10 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.494	0.0500		% dry wt	3/11/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	2,030	45.9		mg/Kg-dry	3/15/10 19:12	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-44 **Collection Date:** 2/26/10 12:10
Matrix: SOIL

Sample ID: SED 20 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	13.7	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.1	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.0753	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	15.0	0.100		meq	3/16/10 0:00	
Soluble Calcium	14.6	1.00		meq	3/16/10 0:00	
Soluble Magnesium	47.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	84.0	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	953	48.9		mg/Kg-dry	3/15/10 19:15	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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< - Not Detected at the Reporting Limit



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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-45 **Collection Date:** 2/26/10 12:15
Matrix: SOIL

Sample ID: SED 20 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	6.54	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.9	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	2.26	0.0500	*	% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	11.1	0.100		meq	3/16/10 0:00	
Soluble Calcium	5.82	1.00		meq	3/16/10 0:00	
Soluble Magnesium	14.3	1.00		meq	3/16/10 0:00	
Soluble Sodium	35.1	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,460	46.2		mg/Kg-dry	3/15/10 19:24	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MH+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-46 **Collection Date:** 2/26/10 12:50
Matrix: SOIL

Sample ID: SED 21 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	13.1	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	7.9	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.130	0.0500		% dry wt	3/15/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	14.2	0.100		meq	3/16/10 0:00	
Soluble Calcium	14.5	1.00		meq	3/16/10 0:00	
Soluble Magnesium	45.8	1.00		meq	3/16/10 0:00	
Soluble Sodium	77.8	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	702	47.8		mg/Kg-dry	3/15/10 19:27	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
* - Value exceeds MCL or Permit Limitation
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-47 **Collection Date:** 2/26/10 13:00
Matrix: SOIL

Sample ID: SED 21 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	7.82	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	6.3	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.216	0.0500		% dry wt	3/15/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	10.7	0.100		meq	3/16/10 0:00	
Soluble Calcium	10.2	1.00		meq	3/16/10 0:00	
Soluble Magnesium	19.0	1.00		meq	3/16/10 0:00	
Soluble Sodium	40.9	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,700	46.4		mg/Kg-dry	3/15/10 19:30	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

< - Not Detected at the Reporting Limit



TESTING TODAY, PROTECTING TOMORROW

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P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-48 **Collection Date:** 2/26/10 13:10
Matrix: SOIL

Sample ID: SED 21 (4-6')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	6.37	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	7.1	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.282	0.0500		% dry wt	3/15/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	7.53	0.100		meq	3/16/10 0:00	
Soluble Calcium	10.9	1.00		meq	3/16/10 0:00	
Soluble Magnesium	21.7	1.00		meq	3/16/10 0:00	
Soluble Sodium	30.4	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,690	46.2		mg/Kg-dry	3/15/10 19:33	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-49 **Collection Date:** 2/26/10 13:15
Matrix: SOIL

Sample ID: SED 21 (6-8')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	7.20	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	6.7	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.340	0.0500		% dry wt	3/15/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	8.04	0.100		meq	3/16/10 0:00	
Soluble Calcium	13.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	27.9	1.00		meq	3/16/10 0:00	
Soluble Sodium	36.4	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	1,220	47.7		mg/Kg-dry	3/15/10 19:36	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value
+DO - Diluted out due to dilution
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
PQL - Practical Quantitation Limit
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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-50 **Collection Date:** 2/26/10 13:30
Matrix: SOIL

Sample ID: SED 22 (0-2')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	18.4	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	10.5	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.227	0.0500		% dry wt	3/15/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	13.6	0.100		meq	3/16/10 0:00	
Soluble Calcium	27.6	1.00		meq	3/16/10 0:00	
Soluble Magnesium	93.2	1.00		meq	3/16/10 0:00	
Soluble Sodium	106	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	861	46.8		mg/Kg-dry	3/15/10 19:39	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution
MH+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

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CLIENT: Michael Pisani & Associates
Lab Order: L10030367
Project: East White Lake 07-47

Date Received: 3/05/10 14:45
Date Reported: 3/26/10 7:45

Lab ID L10030367-51 **Collection Date:** 2/26/10 13:40
Matrix: SOIL

Sample ID: SED 22 (2-4')
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>PQL</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
ELECTRICAL CONDUCTIVITY @ SPE	29B/E120.1					AG
Electrical Conductivity	11.6	0.100		mmhos/cm	3/13/10 14:02	
EXCHANGEABLE SODIUM PERCENTAGE	29B/E273.1					MB
Exchangeable Sodium %	11.3	0.1		%	3/17/10 0:00	
HEM, OIL & GREASE	SW9071B					AG
HEM, Oil & Grease	0.434	0.0500		% dry wt	3/11/10 0:00	
SODIUM ADSORPTION RATIO	29B/SW6010B					STS
Sodium Adsorption Ratio	11.6	0.100		meq	3/16/10 0:00	
Soluble Calcium	14.1	1.00		meq	3/16/10 0:00	
Soluble Magnesium	33.1	1.00		meq	3/16/10 0:00	
Soluble Sodium	56.3	1.00		meq	3/16/10 0:00	
TRUE TOTAL BARIUM	29B/SW6010B					STS
True Total Barium	835	47.8		mg/Kg-dry	3/15/10 19:43	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

E - Estimated value

+DO - Diluted out due to dilution

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

PQL - Practical Quantitation Limit

* - Value exceeds MCL or Permit Limitation

< - Not Detected at the Reporting Limit

Sherry Laboratories/Louisiana

Date: 26-Mar-10

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Method Blank

Sample ID: MBLK	Batch ID: R82976	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/09/10 0:00	Prep Date:
Client ID:	Run ID: MAN3_100309B	SeqNo: 1354949			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	< 0.050	0.050			
Sample ID: MBLK	Batch ID: R83090	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/11/10 0:00	Prep Date:
Client ID:	Run ID: MAN3_100311C	SeqNo: 1356894			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	< 0.050	0.050			
Sample ID: MBLK	Batch ID: R83199	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/15/10 0:00	Prep Date:
Client ID:	Run ID: MAN3_100315C	SeqNo: 1358910			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	< 0.050	0.050			
Sample ID: MBLK	Batch ID: 10455	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 16:58	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100312B	SeqNo: 1355871			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	< 50	50			

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
E - Estimated value
MI+ - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates

Work Order: L10030367

Project: East White Lake 07-47

QC SUMMARY REPORT

Method Blank

Sample ID: MBLK	Batch ID: 10457	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 18:34	Prep Date:						
Client ID:	Run ID:	I2-OPTIMA_100312B		SeqNo: 1355896							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	< 50		50								

Sample ID: MBLK	Batch ID: 10458	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/15/10 18:50	Prep Date:						
Client ID:	Run ID:	I2-OPTIMA_100315B		SeqNo: 1357036							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	< 50		50								

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

E - Estimated value

MI+ - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

+DO - Diluted out due to dilution

< - Not Detected at the Reporting Limit

Sherry Laboratories/Louisiana

Date: 26-Mar-10

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L10030367-01ADU		Batch ID: R83131	Test Code: 29B/E120.1		Units: mmhos/cm		Analysis Date 03/13/10 13:20			Prep Date:	
Client ID: SED 1 (0-2')			Run ID: MAN3_100313C				SeqNo: 1357504				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	13.92	0.10	0	0	0	0	0	13.94	0.144	20	
Sample ID: L10030367-21ADU		Batch ID: R83133	Test Code: 29B/E120.1		Units: mmhos/cm		Analysis Date 03/13/10 13:44			Prep Date:	
Client ID: SED 10 (2-4')			Run ID: MAN3_100313D				SeqNo: 1357556				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	12.15	0.10	0	0	0	0	0	12.16	0.0823	20	
Sample ID: L10030367-48ADU		Batch ID: R83138	Test Code: 29B/E120.1		Units: mmhos/cm		Analysis Date 03/13/10 14:02			Prep Date:	
Client ID: SED 21 (4-6')			Run ID: MAN3_100313B				SeqNo: 1357687				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	6.24	0.10	0	0	0	0	0	6.37	2.06	20	
Sample ID: L10030375-10ADU		Batch ID: R83138	Test Code: 29B/E120.1		Units: mmhos/cm		Analysis Date 03/13/10 14:02			Prep Date:	
Client ID:			Run ID: MAN3_100313B				SeqNo: 1357701				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.2602	0.10	0	0	0	0	0	0.2597	0.192	20	

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
E - Estimated value
MI+ - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L10030367-01ADU Batch ID: R83165 Test Code: 29B/E273.1 Units: % Analysis Date 03/17/10 0:00 Prep Date:
Client ID: SED 1 (0-2') Run ID: AA2_100317A SeqNo: 1358170

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	15.66	0.10	0	0	0	0	0	15.66	0	20	

Sample ID: L10030367-21ADU Batch ID: R83166 Test Code: 29B/E273.1 Units: % Analysis Date 03/17/10 0:00 Prep Date:
Client ID: SED 10 (2-4') Run ID: AA2_100317B SeqNo: 1358214

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	12.9	0.10	0	0	0	0	0	11.97	7.46	20	

Sample ID: L10030367-48ADU Batch ID: R83167 Test Code: 29B/E273.1 Units: % Analysis Date 03/17/10 0:00 Prep Date:
Client ID: SED 21 (4-6') Run ID: AA2_100317C SeqNo: 1358263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	7.661	0.10	0	0	0	0	0	7.147	6.94	20	

Sample ID: L10030367-20ADU Batch ID: R82976 Test Code: SW9071B Units: % dry wt Analysis Date 03/09/10 0:00 Prep Date:
Client ID: SED 10 (0-2') Run ID: MAN3_100309B SeqNo: 1354943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM, Oil & Grease	0.1602	0.050	0	0	0	0	0	0.2049	24.5	40	

Sample ID: L10030367-51ADU Batch ID: R83090 Test Code: SW9071B Units: % dry wt Analysis Date 03/11/10 0:00 Prep Date:
Client ID: SED 22 (2-4') Run ID: MAN3_100311C SeqNo: 1356890

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM, Oil & Grease	0.129	0.050	0	0	0	0	0	0.4335	108	40	R

Qualifiers:

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J - Analyte detected below quantitation limits

* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits

E - Estimated value
MI+ - Matrix Interference
H - Exceeds Holding Time

R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L10030375-15ADU Batch ID: R83199 Test Code: SW9071B Units: % dry wt Analysis Date 03/15/10 0:00 Prep Date:
Client ID: Run ID: MAN3_100315C SeqNo: 1358904
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease < 0.050 0.050 0 0 0 0 0 0 0 0 40

Sample ID: L10030367-01ADU Batch ID: R83174 Test Code: 29B/SW6010 Units: meq Analysis Date 03/16/10 0:00 Prep Date:
Client ID: SED 1 (0-2') Run ID: I2-OPTIMA_100316A SeqNo: 1358498
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium Adsorption Ratio 18.2 0.10 0 0 0 0 0 18.54 1.86 20
Soluble Calcium 12.9 1.0 0 0 0 0 0 12.82 0.66 20
Soluble Magnesium 30.06 1.0 0 0 0 0 0 29.87 0.632 20
Soluble Sodium 84.35 1.0 0 0 0 0 0 85.65 1.54 20

Sample ID: L10030367-21ADU Batch ID: R83174 Test Code: 29B/SW6010 Units: meq Analysis Date 03/16/10 0:00 Prep Date:
Client ID: SED 10 (2-4') Run ID: I2-OPTIMA_100316A SeqNo: 1358519
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium Adsorption Ratio 12.21 0.10 0 0 0 0 0 12.05 1.34 20
Soluble Calcium 19.29 1.0 0 0 0 0 0 18.62 3.53 20
Soluble Magnesium 44.86 1.0 0 0 0 0 0 43.51 3.05 20
Soluble Sodium 69.16 1.0 0 0 0 0 0 67.16 2.94 20

Qualifiers:

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J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits
E - Estimated value
MI+ - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L10030367-48ADU		Batch ID: R83174	Test Code: 29B/SW6010		Units: meq	Analysis Date 03/16/10 0:00		Prep Date:	
Client ID: SED 21 (4-6')			Run ID: I2-OPTIMA_100316A			SeqNo: 1358544			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPDLimit
Sodium Adsorption Ratio	7.477	0.10	0	0	0	0	0	7.535	20
Soluble Calcium	11.18	1.0	0	0	0	0	0	10.95	20
Soluble Magnesium	22.16	1.0	0	0	0	0	0	21.65	20
Soluble Sodium	30.53	1.0	0	0	0	0	0	30.42	20

Sample ID: L10030375-10ADU		Batch ID: R83174	Test Code: 29B/SW6010		Units: meq	Analysis Date 03/16/10 0:00		Prep Date:	
Client ID:			Run ID: I2-OPTIMA_100316A			SeqNo: 1358576			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPDLimit
Sodium Adsorption Ratio	0.9189	0.10	0	0	0	0	0	0.8388	20
Soluble Calcium	1.056	1.0	0	0	0	0	0	1.075	20
Soluble Magnesium	< 1.0	1.0	0	0	0	0	0	0	20
Soluble Sodium	< 1.0	1.0	0	0	0	0	0	0	20

Sample ID: L10030415-01ADU		Batch ID: R83174	Test Code: 29B/SW6010		Units: meq	Analysis Date 03/16/10 0:00		Prep Date:	
Client ID:			Run ID: I2-OPTIMA_100316A			SeqNo: 1358598			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPDLimit
Sodium Adsorption Ratio	1.338	0.10	0	0	0	0	0	1.351	20
Soluble Calcium	10.17	1.0	0	0	0	0	0	9.89	20
Soluble Magnesium	4.523	1.0	0	0	0	0	0	4.477	20
Soluble Sodium	3.625	1.0	0	0	0	0	0	3.62	20

Qualifiers:

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

E - Estimated value

MI+ - Matrix Interference

H - Exceeds Holding Time

* - Value exceeds MCL or Permit Limitations

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

+DO - Diluted out due to dilution

< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L10030382-21ADU Batch ID: R83174 Test Code: 29B/SW6010 Units: meq Analysis Date 03/16/10 0:00 Prep Date:
 Client ID: Run ID: 12-OPTIMA_100316A SeqNo: 1358611
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sodium Adsorption Ratio	2.44	0.10	0	0	0	0	2.477	1.52	20
Soluble Calcium	3.041	1.0	0	0	0	0	3.02	0.691	20
Soluble Magnesium	2.153	1.0	0	0	0	0	2.124	1.35	20
Soluble Sodium	3.932	1.0	0	0	0	0	3.972	1.03	20

Qualifiers:

B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits
 * - Value exceeds MCL or Permit Limitations
 S - Spike Recovery outside accepted recovery limits
 E - Estimated value
 MI+ - Matrix Interference
 H - Exceeds Holding Time
 R - RPD outside accepted recovery limits
 +DO - Diluted out due to dilution
 < - Not Detected at the Reporting Limit

Sherry Laboratories/Louisiana

Date: 26-Mar-10

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L10030367-20AMS	Batch ID: R82976	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/09/10 0:00	Prep Date:
Client ID: SED 10 (0-2')		Run ID: MAN3_100309B		SeqNo: 1354944	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	1.202	0.050	0.529	0.2049	188 70 130 0 S*
Sample ID: L10030367-51AMS	Batch ID: R83090	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/11/10 0:00	Prep Date:
Client ID: SED 22 (2-4')		Run ID: MAN3_100311C		SeqNo: 1356891	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.9023	0.050	0.546	0.4335	85.8 70 130 0
Sample ID: L10030375-15AMS	Batch ID: R83199	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/15/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100315C		SeqNo: 1358905	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.4309	0.050	0.263	0	164 70 130 0 S
Sample ID: L10030367-01AMS	Batch ID: 10455	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 17:10	Prep Date: 03/11/10 0:00
Client ID: SED 1 (0-2')		Run ID: 12-OPTIMA_100312B		SeqNo: 1355875	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4620	47	4682	381.4	90.5 75 125 0

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits
E - Estimated value
M/H - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L10030367-01AMS	Batch ID: 10455	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date	03/12/10 17:13	Prep Date: 03/11/10 0:00					
Client ID: SED 1 (0-2')		Run ID: 12-OPTIMA_100312B		SeqNo: 1355876							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	4323	47	4669	381.4	84.4	75	125	4620	6.64	20	

Sample ID: L10030367-21AMS	Batch ID: 10457	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date	03/12/10 18:53	Prep Date: 03/11/10 0:00					
Client ID: SED 10 (2-4')		Run ID: 12-OPTIMA_100312B		SeqNo: 1355900							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	4392	46	4570	1268	68.3	75	125	0		S	

Sample ID: L10030367-21AMS	Batch ID: 10457	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date	03/12/10 18:56	Prep Date: 03/11/10 0:00					
Client ID: SED 10 (2-4')		Run ID: 12-OPTIMA_100312B		SeqNo: 1355901							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	4806	46	4583	1268	77.2	75	125	4392	9.01	20	

Sample ID: L10030367-41AMS	Batch ID: 10458	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date	03/15/10 19:02	Prep Date: 03/15/10 0:00					
Client ID: SS-08 (2-4')		Run ID: 12-OPTIMA_100315B		SeqNo: 1357040							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	6473	47	4726	2058	93.4	75	125	0			

Sample ID: L10030367-41AMS	Batch ID: 10458	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date	03/15/10 19:05	Prep Date: 03/15/10 0:00					
Client ID: SS-08 (2-4')		Run ID: 12-OPTIMA_100315B		SeqNo: 1357041							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	6485	47	4721	2058	93.8	75	125	6473	0.193	20	

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits

E - Estimated value
MH - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

Sherry Laboratories/Louisiana

Date: 26-Mar-10

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R83131	Batch ID: R83131	Test Code: 29B/E120.1	Units: mmhos/cm	Analysis Date 03/13/10 13:20	Prep Date:
Client ID:		Run ID: MAN3_100313C		SeqNo: 1357502	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	0.504	0.10	0.502	0	100 80 120 0
Sample ID: LCS-R83133	Batch ID: R83133	Test Code: 29B/E120.1	Units: mmhos/cm	Analysis Date 03/13/10 13:44	Prep Date:
Client ID:		Run ID: MAN3_100313D		SeqNo: 1357554	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	0.505	0.10	0.502	0	101 80 120 0
Sample ID: LCS-R83138	Batch ID: R83138	Test Code: 29B/E120.1	Units: mmhos/cm	Analysis Date 03/13/10 14:02	Prep Date:
Client ID:		Run ID: MAN3_100313B		SeqNo: 1357681	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	0.503	0.10	0.502	0	100 80 120 0
Sample ID: LCS	Batch ID: R82976	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/09/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100309B		SeqNo: 1354947	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.237	0.050	0.2	0	118 70 130 0

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits
E - Estimated value
R - RPD outside accepted recovery limits
MH - Matrix Interference
+DO - Diluted out due to dilution
H - Exceeds Holding Time
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: LCSD	Batch ID: R82976	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/09/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100309B		SeqNo: 1354948	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.2385	0.050	0.2	0	119 70 130 0.237 0.631 40
Sample ID: LCS	Batch ID: R83090	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/11/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100311C		SeqNo: 1356892	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.201	0.050	0.2	0	100 70 130 0 0
Sample ID: LCSD	Batch ID: R83090	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/11/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100311C		SeqNo: 1356893	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.2325	0.050	0.2	0	116 70 130 0.201 14.5 40
Sample ID: LCS	Batch ID: R83199	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/15/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100315C		SeqNo: 1358908	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.211	0.050	0.2	0	106 70 130 0 0
Sample ID: LCSD	Batch ID: R83199	Test Code: SW9071B	Units: % dry wt	Analysis Date 03/15/10 0:00	Prep Date:
Client ID:		Run ID: MAN3_100315C		SeqNo: 1358909	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
HEM, Oil & Grease	0.2155	0.050	0.2	0	108 70 130 0.211 2.11 40

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits

E - Estimated value
MI+ - Matrix Interference
H - Exceeds Holding Time
R - RPD outside accepted recovery limits
+DO - Diluted out due to dilution
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates
Work Order: L10030367
Project: East White Lake 07-47

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS	Batch ID: 10455	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 17:01	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100312B			SeqNo: 1355872	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4113	50	5000	0	82.3 75 125 0

Sample ID: LCSD	Batch ID: 10455	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 17:04	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100312B			SeqNo: 1355873	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4077	50	5000	0	81.5 75 125 4113 0.866 20

Sample ID: LCS	Batch ID: 10457	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 18:37	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100312B			SeqNo: 1355897	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4223	50	5000	0	84.5 75 125 0

Sample ID: LCSD	Batch ID: 10457	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/12/10 18:40	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100312B			SeqNo: 1355898	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4215	50	5000	0	84.3 75 125 4223 0.194 20

Sample ID: LCS	Batch ID: 10458	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/15/10 18:53	Prep Date:
Client ID:	Run ID: 12-OPTIMA_100315B			SeqNo: 1357037	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
True Total Barium	4721	50	5000	0	94.4 75 125 0

Qualifiers:

B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits
* - Value exceeds MCL or Permit Limitations
S - Spike Recovery outside accepted recovery limits
E - Estimated value
R - RPD outside accepted recovery limits
MH - Matrix Interference
+DO - Diluted out due to dilution
H - Exceeds Holding Time
< - Not Detected at the Reporting Limit

CLIENT: Michael Pisani & Associates

Work Order: L10030367

Project: East White Lake 07-47

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD	Batch ID: 10458	Test Code: 29B/SW6010	Units: mg/Kg-dry	Analysis Date 03/15/10 18:56	Prep Date:						
Client ID:	Run ID: 12-OPTIMA_100315B	SeqNo: 1357038									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	4682	50	5000	0	93.6	75	125	4721	0.826	20	

Qualifiers:

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

* - Value exceeds MCL or Permit Limitations

S - Spike Recovery outside accepted recovery limits

E - Estimated value

M/H - Matrix Interference

H - Exceeds Holding Time

R - RPD outside accepted recovery limits

+DO - Diluted out due to dilution

< - Not Detected at the Reporting Limit

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSR I Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

Lab use only

J00030367

Due Date

Workorder #

Client #

Client Name

Report to:

Client: MICHAEL PISANI
Address: 1100 POY DRAS ST#43
N.O., LA. 70163,
Contact: JONATHAN MILLER
Phone: 504.582.3468
Fax: 504.582.2470

Bill to:

Client: SAME
Address:
Contact:
Phone:
Fax:

P.O. Number

Project Name/Number

EAST WHITE LAKE 07-47

Sampled By:

PATRICK RITCHIE

Matrix ¹	Date	Time (2400)	C o m p G r a b	Sample Description	No Preservatives Containers
S	9/25/03	1030	A	SED. 1 (0-2')	ICE BOX
		1030	A	SED. 1 (2-4')	
		1040		SED. 1 (4-6')	
		1100		SED. 2 (0-2')	
		1115		SED. 2 (2-4')	
		1135		SED. 2 (4-6')	
		1145		SED. 3 (0-2')	
		1200		SED. 3 (2-4')	
		1215		SED. 3 (4-6')	
V	1315A			SED. 4 (0-2')	

Turn Around Time: ☐ 24-48 hrs.

☒ Standard

☐ 1 week

☐ 3 days

☐ Other

emp. Y.G.Q.K.E

Relinquished by: (Signature)
[Signature]

Received by: (Signature)
[Signature]

Date: 3-3-10

Time: 10:40

Relinquished by: (Signature)
[Signature]

Received by: (Signature)
[Signature]

Date: 3/5/10

Time: 11:35

Relinquished by: (Signature)
K.C.

Received by: (Signature)
Begnaud

Date: 3/5/10

Time: 14:45

Note: No Oil and Grease analysis requested for SED-1, SED-2, or SED-3.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix': W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Workorder #

Client Name

Client #

Due Date

Report to:

Client: Michael Pisani
Address: 1100 Poydras St, #1436
N.O. LA 70163
Contact: Jonathan Miller
Phone: 504.582.2468
Fax: 504.582.2470

Bill to:

Client: SPARF
Address: SPARF
Contact: SPARF
Phone: SPARF
Fax: SPARF

P.O. Number

Project Name/Number
EAST WHITE LAKE 07-47

Sampled By:

PATRICK RICHIE

Matrix ¹	Date	Time (2400)	Sample Description	Preservatives	No Containers
S	06/11/03	1330	SED. 5 (0-2')	ICE	3510
		1345	SED. 6 (0-2')		
		1400	SED. 7 (0-2')		
		1415	SED. 7 (2-4')		
		1425	SED. 7 (4-6')		
		1450	SED. 8 (0-2')		
		1500	SED. 8 (2-4')		
		1520	SED. 9 (0-2')		
		1540	SED. 9 (2-4')		
		1550	SED. 10 (0-2')		

Analytical Requests & Method

CC, SRF, ESP
Oil + Grease
True Total Barium

Lab use only:

Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 1.8

Lab ID

Remarks:

OK call
JONATHAN
Miller for
list of
PARAMETERS

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature) Ken C Received by: (Signature) Ken C

Date: 3-3-10 Time: 11:35

Note:

Temp. 4.9 g/g

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

Matrix¹: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Workorder #

Client Name

Client #

Due Date

Report to:

Client: Michael Pisani
Address: 1100 POYDRAS #430
N.O., LA. 70163
Contact: JONATHAN MILLER
Phone: 504-582-2468
Fax: 504-582-2470

Bill to:

Client: SARL
Address: SARL
Contact: SARL
Phone: SARL
Fax: SARL

P.O. Number

Project Name/Number

EAST WHITE LAKE 07-47

Sampled By:

PATRICK RITCHIE

Matrix ¹	Date	Time (2400)	G C o m p	Sample Description	Preservatives No Containers
S	3/5/10	1600	X	SED-10 (2-4')	100%
		1620		SED-11 (0-2')	
		1630		SED-11 (2-4')	
		1645		SED-12 (0-2')	
		1700		SED-12 (2-4')	
		1715		SED-12 (4-6')	
		1726/0820		SED-13 (0-2')	
		0830		SED-13 (2-4')	
		0850		SED-14 (0-2')	
		0900		SED-14 (2-4')	

Analytical Requests & Method

Lab use only:

Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 18

Lab ID

Remarks:

CALL
JONATHAN
Miller for
list of parameters

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard

☐ Other

Temp. 4.9 g/g

Relinquished by: (Signature)

Received by: (Signature)

Date: 3/5/10

Time: 11:35

Relinquished by: (Signature)

Received by: (Signature)

Date: 3/5/10

Time: 11:35

Relinquished by: (Signature)

Received by: (Signature)

Date: 3/5/10

Time: 14:45

Note: No Oil and Grease analysis requested for
SED-13 and SED-14.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix¹: W = water, S = soil, SD = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98



GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

U10030367

Client Name

Client #

Due Date

Report to:

Client: Michael P. Sani
Address: 1100 POYARAS ST 1430
N.D., LA 70163
Contact: JONATHAN MILLER
Phone: 504.582.2468
Fax: 504.582.2470

Bill to:

Client: SAPE
Address: SAPE
Contact: SAPE
Phone: SAPE
Fax: SAPE

P.O. Number

Project Name/Number

EAST WHITE LAKE 07-47

Sampled By:

PATRICK RITCHIE

Matrix ¹	Date	Time (2400)	G o o l d	Sample Description	Preservatives Containers
S	03/10/11	11:45	25	SS-10 (0-2')	10
		11:50		SS-10 (2-4')	
		12:10		SED. 20 (0-2')	
		12:15		SED. 20 (2-4')	
		12:50		SED. 21 (0-2')	
		13:00		SED. 21 (2-4')	
		13:10		SED. 21 (4-6')	
		13:15		SED. 21 (6-8')	
		13:30		SED. 22 (0-2')	
		13:40		SED. 22 (2-4')	

14

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)

Received by: (Signature)

Date: 3-3-10

Note:

Relinquished by: (Signature)

Received by: (Signature)

Date: 3/5/10

Note:

Relinquished by: (Signature)

Received by: (Signature)

Date: 3/5/10

Note:

Matrix¹: W = water, S = soil, SD = sludge, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT - CANARY: LABORATORY - PINK: CLIENT

GCAL-06 11/98



Sample Log-In Check List

Sherry Laboratories/Louisiana

Client Name: M_PISANI

Date and Time Received: 3/5/2010 2:45:00 PM

Work Order Number: L10030367

Logged by: Jennifer Begnaud

Checked In by: Jennifer Begnaud

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? If not, please comment below. Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Sherry

Log In

4. How many ice chests were received? No. of Coolers: 1

Temperature °C for each Ice Chest: A B C D E
4.9

5. Was an attempt made to cool the samples? Yes ☒ No ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☐ NA ☒
Bottle ID: Added: lot #
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒ Bottle ID:
13. Does paperwork match bottle labels? Yes ☐ No ☒
(Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:		Time:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person		
Regarding:					
Client Instructions:					

18. Additional remarks:
Improper error correction(s) made by client
Received only one jar for every sample.