



360 636 1068 (fax)

www.caslab.com



Analytical Report for Service Request No: K1102875

Jeff Scott Specialty Minerals, Incorporated 3515 Industrial Way P O Box 719 Longview, WA 98632

Columbia Analytical Services

RE: Lime Grit

Dear Jeff:

Enclosed are the results of the samples submitted to our laboratory on April 04, 2011 For your reference, these analyses have been assigned our service request number K1102875

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www caslab com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions My extension is 3364 You may also contact me via Email at HHolmes@caslab.com

Respectfully submitted,

Columbia Analytical Services, Inc.

Howard Holmes Project Chemist

HH/jw

Page 1 of ZZ

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon
CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable
NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but greater

than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference
- X See case narrative
- Q See case narrative. One or more quality control criteria was outside the limits
- H In accordance with the 2007 EPA Methods Update Rule published in the Federal Register, the holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample
- M The duplicate injection precision was not met
- N The Matrix Spike sample recovery is not within control limits. See case narrative
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference
- X See case parrative
- The correlation coefficient for the MSA is less than 0 995.
- Q See case narrative One or more quality control criteria was outside the limits

Organic Data Qualifiers

- * The result is an outlier. See case narrative
- # The control limit criteria is not applicable. See case narrative
- A A tentatively identified compound, a suspected aldol-condensation product
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data
- D The reported result is from a dilution
- E The result is an estimate amount because the value exceeded the instrument calibration range
- N The result is presumptive The analyte was tentatively identified, but a confirmation analysis was not performed
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.

 DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference
- X See case narrative
- Q See case narrative One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard
- I. The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y Ihe chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product

| Columbia Analytical Services, Inc. Cooler Receipt and Preservation Form | PC HOWAYA |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client/Project: Special of Mineral & Service Request K11 287 | 5 |
| Received: 4/4/11 Opened: 4/4/11 By: Unloaded: 4/4/11 | By: |
| 1. Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered | |
| 2 Samples were received in: (circle) Cooler Box Envelope Other | NA |
| 3 Were <u>custody seals</u> on coolers? NA Y N If yes, how many and where? | |
| If present, were custody seals intact? Y N If present, were they signed and dated? | . Y N |
| Cooler Temp Thermometer Cooler/COC Temp % Blank C ID ID NA Tracking Number | NA Filed |
| | |
| | |
| | |
| 7 Packing material used Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other 8 Were custody papers properly filled out (ink, signed, etc.)? | <u> </u> |
| | NA Y N |
| 10 W H 111 A 11 A 1 A 1 A 1 A 1 A 1 A 1 A 1 | NA Y N |
| 11 Did all sample labels and tags agree with custody papers? Indicate major discrepancies in the table on page 2 | NA Y N |
| 12 Were appropriate bottles/containers and volumes received for the tests indicated? | NA) Y N |
| (| NA) Y N |
| 14 Were VOA vials received without headspace? Indicate in the table below | NA) Y N |
| 15 Was C12/Res negative? | NA) Y N |
| Sample ID on Bottle Sample ID on COC Identified by: | |
| | (2001 M. (1001 M. (10 |
| | |
| | |
| Bottle Count Out of Head | |
| Sample ID Bottle Type Temp space Broke pH Reagent added Number | Initials Time |
| | |
| | |
| | |
| | |
| Notes, Discrepancies, & Resolutions: KWN 2 SAMMES | |
| Notes, Discrepancies, & Resolutions: KWN 2 SAMPLES | |
| 1) Imarieu) (mit 3/16/11 | |
| - ARINGUIN VIII TIMPE | j |
| | |
| | |
| 7 Pag | ge_1_of |

Columbia Analytical Services, Inc. Kelso, WA State Certifications, Accreditations, and Licenses

| Agency | Number | |
|------------------------|-------------|-----------------------------------------|
| Alaska DEC UST | UST-040 | |
| Arizona DHS | AZ0339 | |
| Arkansas - DEQ | 88-0637 | |
| California DHS | 2286 | |
| Florida DOH | E87412 | |
| Hawaii DOH | - | |
| Idaho DHW | - | |
| Indiana DOH | C-WA-01 | |
| Louisiana DEQ | 3016 | |
| Louisiana DHH | LA050010 | |
| Maine DHS | WA0035 | *************************************** |
| Michigan DEQ | 9949 | |
| Minnesota DOH | 053-999-368 | |
| Montana DPHHS | CERT0047 | |
| Nevada DEP | WA35 | |
| New Jersey DEP | WA005 | |
| New Mexico ED | - | |
| North Carolina DWQ | 605 | |
| Oklahoma DEQ | 9801 | |
| Oregon - DEQ | WA100010 | |
| South Carolina DHEC | 61002 | |
| Washington DOE | C1203 | |
| Wisconsin DNR | 998386840 | |
| Wyoming (EPA Region 8) | - | |







Analytical Results

Client:

Specialty Minerals, Incorporated

Project:

Lime Grit

Sample Matrix:

Soil

Service Request: K1102875

Total Solids

Prep Method:

Analysis Method:

NONE

Units: PERCENT

160.3M

Basis: Wet

Test Notes:

| Sample Name | Lab Code | Date Collected | Date Received | Date Analyzed | Result | Result Notes |
|---------------|--------------|-------------------|------------------|------------------|--------|--------------|
| Camas Grit | K1102875-001 | 03/16/2011 | 04/04/2011 | 04/07/2011 | 67 2 | |
| Longview Grit | K1102875-002 | 03/16/2011 | 04/04/2011 | 04/07/2011 | 87 8 | |

Analytical Report

Client:

Specialty Minerals Incorporated

Project:

Limc Grit

Sample Matrix:

Analysis Method:

Soil

Service Request: K1102875

Date Collected: 3/16/11 Date Received: 4/4/11

Units: Percent

OSU

Basis: Dry

CaCO3 Equivalency

| Sample Name | Lab Code | Result Q | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|---------------|--------------|----------|-----|--------------------|-------------------|------------------|------|
| Camas Grit | K1102875-001 | 102 | 3 0 | 1 | NA | 4/16/11 12:00 | |
| Longview Grit | K1102875-002 | 102 | 2.3 | 1 | NA | 4/16/11 12:00 | |
| Method Blank | K1102875-MB | ND U | 2 0 | 1 | NA | 4/16/11 12:00 | |

Analytical Report

Client:

Specialty Minerals, Incorporated

Project:

Lime Grit

Sample Matrix:

Soil

Service Request: K1102875

Date Collected: 3/16/11
Date Received: 4/4/11

Units: mg/Kg Basis: Dry

Analysis Method:

9020B Modified

Halides, Extractable Organic (EOX)

| Sample Name | Lah Code | Result Q | MRL | Dilution Factor E | Date xtracted | Date Analyzed | Note |
|---------------|--------------|----------|-----|----------------------|------------------|------------------|------|
| Camas Grit | K1102875-001 | ND U | 15 | 1 | NA | 4/13/11 | |
| Longview Grit | K1102875-002 | ND U | 11 | 1 | NA | 4/13/11 | |
| Method Blank | K1102875-MB | ND U | 10 | 1 | NA | 4/13/11 | |

Analytical Report

Client:

Specialty Minerals, Incorporated

Project:

Lime Grit

Sample Matrix:

Soil

Date Collected: 3/16/2011

Date Received: 4/4/2011 ervice Request: K1102875

Dry Sieve Analysis

ASTM C-33 SAND

Units: Percent Passing

Sample Name: Camas Grit

| Sample #: | K1102875-001 |
|-------------|--------------|
| Wet Weight | 272.25 |
| Tare | 33.20 |
| Dry Weight+ | 216.09 |
| % Solids | 67.2 |

Sample Name: Longview Grit

| Sample #: | K1102875-002 |
|-------------|--------------|
| Wet Weight | 236.30 |
| Tare | 33.22 |
| Dry Weight+ | 240.64 |
| % Solids | 87.8 |

Sample Name: Longview Grit

| Sample #: | K1102875-002DUP |
|-------------|-----------------|
| Wet Weight | 228.10 |
| Tare | 32,90 |
| Dry Weight+ | 232.21 |
| % Solids | 87.4 |

| Sieve Size | Dry Weight | % Passing | Sieve Size | Dry Weight | % Passing | Sieve Size | Dry Weight | % Passing |
|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|
| No.10 | 2.1837 | 98.8 | No.10 | 77,8385 | 62.4 | No.10 | 72.8144 | 63,4 |
| No.60 | 7.6631 | 94.6 | No.60 | 89.0197 | 94.6 | No.60 | 86,3773 | 20.0 |
| No.100 | 24.6173 | 81,1 | No.100 | 27.7066 | 6.00 | No.100 | 27.2082 | 6.29 |
| Pan | 148.3078 | - | Pan | 12.4292 | - | Pan | 12,5026 | - |

Total Weight =

182.77

Total Weight =

206.99

Total Weight =

198 90

% Recovered =

99 9

% Recovered =

99.8

% Recovered =

998

- Cover Page -INORGANIC ANALYSIS DATA PACKAGE

Service Request: K1102875

Client:

Specialty Minerals, Incorporated

Project Name: Project No.:

Lime Grit

NA

| Sample Name : | <u>Lab Code:</u> |
|-------------------------------------------|-----------------------------------------------|
| Camas Grit Camas Grit Longview Grit | K1102875-001 K1102875-001S K1102875-002 |
| Method Blank | K1102875-MB |

Comments:

Date:

Analytical Report

Specialty Minerals, Incorporated

Project Name: Lime Grit

Project Number: NA

Matrix: Soil

Service Request: K1102875

Date Collected: 03/16/11 Date Received: 04/04/11

Date TCLP Performed: 04/07/11

Date Extracted: 04/08/11

Date Analyzed: 04/11,12/11

Toxicity Characteristic Leaching Procedure (TCLP) EPA Method 1311 Metals Units: mg/L (ppm) in TCLP Extract

Sample Name: Longview Grit Lab Code: K1102875-002

| | EPA | | Regulatory | Sample | Result |
|----------|-------------|-------|------------|--------|--------|
| Analyte | Method | MRL | Limit * | Result | Notes |
| Arsenic | 3010A/6010C | 0 1 | 5 | ND | |
| Barium | 3010A/6010C | 10 | 100 | ND | |
| Cadmium | 3010A/6010C | 0 01 | 1 | ND | |
| Chromium | 3010A/6010C | 0 01 | 5 | ND | |
| Lead | 3010A/6010C | 0.05 | 5 | ND | |
| Mercury | 7470A | 0 001 | 0.2 | ND | |
| Selenium | 3010A/6010C | 0.1 | 1 | ND | |
| Silver | 3010A/6010C | 0 02 | 5 | ND | |

From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990

Analytical Report

Client: Specialty Minerals, Incorporated

Service Request: K1102875 Project Name: Lime Grit Date Collected: NA

Project Number: NA Date Received: NA Matrix: Soil

Date TCLP Performed: 04/07/11 Date Extracted: 04/08/11

Date Analyzed: 04/11,12/11

Toxicity Characteristic Leaching Procedure (TCLP) EPA Method 1311 Metals Units: mg/L (ppm) in ICLP Extract

Sample Name: Method Blank Lab Code: K1102875-MB

| | EPA | | Regulatory | Sample | Result |
|----------|-------------|-------|------------|--------|--------|
| Analyte | Method | MRL | Limit * | Result | Notes |
| Arsenic | 3010A/6010C | 0.1 | 5 | ND | |
| Barium | 3010A/6010C | 10 | 100 | ND | |
| Cadmium | 3010A/6010C | 0 01 | 1 | ND | |
| Chromium | 3010A/6010C | 0 01 | 5 | ND | |
| Lead | 3010A/6010C | 0.05 | 5 | ND | |
| Mercury | 7470A | 0.001 | 0 2 | ND | |
| Selenium | 3010A/6010C | 0 1 | 1 | ND | |
| Silver | 3010A/6010C | 0 02 | 5 | ND | |

From 40 CFR Part 261, et al, and Federal Register, March 29, 1990 and June 29, 1990.

OA/QC Report

Service Request: K1102875 Client: Specialty Minerals, Incorporated

Matrix: Soil Date Received: 04/04/11 Project Number: NA Date Collected: 03/16/11 Project Name: Lime Grit

Date TCLP Performed: 04/07/11

Date Analyzed: 04/11,12/11 Date Extracted: 04/08/11

Units: mg/L (ppm) in ICLP Extract Metals EPA Method 1311 Toxicity Characteristic Leaching Procedure (TCLP) Matrix Spike Summary

Lab Code: K1102875-001S Sample Name: Camas Grit

| Percent Recovery* | Spiked Sample Result | Sample Result | Spike Level | Analyte |
|----------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 6 | L'\$ | ND | 0.5 | sinsenic s |
| 101 | 10.1 | ND | 01 | muinsa |
| <i>L</i> 8 | L8 O | ND | 1.0 | Cadmium |
| \$6 | 8L t | 60.0 | 0.2 | Chromium |
| 96 | 08.4 | ND | 0.2 | Lead |
| 100 | \$00"0 | AD. | \$00.0 | Mercury |
| OI | 1.0 | ΔN | 1.0 | Selenium |
| 76 | 76 0 | MD | 1.0 | Silver |
| | Recovery* 94 101 87 95 95 96 100 | Result Recovery* 0,005 100 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 4,78 95 <td< td=""><td> MD</td><td>Level Result Result Recovery* 0,005 ND 0,005 100 0,005 ND 4,80 96 5,0 ND 4,80 95 5,0 ND 4,78 95 1,0 ND 10,1 10,1 1,0 ND 4,77 94 1,0 ND 4,7 94</td></td<> | MD | Level Result Result Recovery* 0,005 ND 0,005 100 0,005 ND 4,80 96 5,0 ND 4,80 95 5,0 ND 4,78 95 1,0 ND 10,1 10,1 1,0 ND 4,77 94 1,0 ND 4,7 94 |

From 40 CFR Part 261, et al, and Federal Register, March 29, 1990 and June 29, 1990.

${\bf COLUMBIA\ ANALYTICAL\ SERVICES,\ INC.}$

- Cover Page -INORGANIC ANALYSIS DATA PACKAGE

Client:

Specialty Minerals, Incorporated Lime Grit

Project Name:

Project No.:

NA

Service Request: K1102875

Sample Name:

Camas Grit Longview Grit Method Blank

Lab Code:

K1102875-001 K1102875-002 K1102875-MB

Comments:

Date:

Analytical Report

Client:

Specialty Minerals, Incorporated

Service Request: K1102875

Date Collected: 03/16/11

Project Name: Project No.:

Lime Grit NA

Date Received: 04/04/11

Matrix:

Soil

Date Extracted: 04/11-20/11

Total Metals

Sample Name:

Longview Grit

Units: mg/Kg (ppm)

Basis: Dry

Lab Code: K1102875-002

| Analyte | Analysis Method | MRL | Date Analyzed | Sample Result | Result Notes |
|------------|-----------------|------|---------------|------------------|-----------------|
| Arsenic | 6010 C | 2.2 | 04/21/11 | 4 5 | |
| Cadmium | 6010C | 0.1 | 04/21/11 | 0.1 | |
| Calcium | 6010C | 110 | 04/21/11 | 378000 | |
| Chromium | 6010 C | 0.6 | 04/21/11 | 4.5 | |
| Cobalt | 6010C | 0.6 | 04/21/11 | 1.5 | |
| Lead | 6010C | 2.2 | 04/21/11 | ND | |
| Magnesium | 6010C | 4.5 | 04/21/11 | 7200 | |
| Mercury | 7471B | 0 02 | 04/11/11 | ND | |
| Molybdenum | 6010C | 0.4 | 04/21/11 | 0.5 | |
| Nickel | 6010C | 0 4 | 04/21/11 | 28.1 | |
| Selenium | 6010C | 4.5 | 04/21/11 | ND | |
| Zinc | 6010C | 1.1 | 04/21/11 | 71 0 | |

Comments:

Analytical Report

Client:

Specialty Minerals, Incorporated

Project Name:

Lime Grit

Service Request: K1102875 Date Collected: NA

Project No.:

NA

Date Received: NA

Matrix:

Soil

Date Extracted: 04/11-20/11

Total Metals

Sample Name:

Method Blank

Units: mg/Kg (ppm)

Lab Code:

K1102875-MB

Basis: Dry

| Analyte | Analysis Method | MRL | Date Analyzed | Sample Result | Result Notes |
|------------|-----------------|------|---------------|------------------|-----------------|
| Arsenic | 6010C | 2.0 | 04/21/11 | ND | |
| Cadmium | 6010C | 0 1 | 04/21/11 | ND | |
| Calcium | 6010C | 10 | 04/21/11 | ND | |
| Chromium | 6010C | 0.5 | 04/21/11 | ND | |
| Cobalt | 6010 C | 0.5 | 04/21/11 | ND | |
| Lead | 6010C | 2.0 | 04/21/11 | ND | |
| Magnesium | 6010 C | 4.0 | 04/21/11 | ND | |
| Mercury | 7471B | 0.02 | 04/11/11 | ND | |
| Molybdenum | 6010C | 0 4 | 04/21/11 | ND | |
| Nickel | 6010C | 0.4 | 04/21/11 | ND | |
| Selenium | 6010C | 4.0 | 04/21/11 | ND | |
| Zinc | 6010C | 10 | 04/21/11 | ND | |

Comments:

Analytical Report

Client:

Specialty Minerals, Incorporated

Project:

Lime Grit

Sample Matrix: Solid

Service Request: K1102875

Date Collected: 03/16/11

Date Received: 04/04/11

Date Extracted: 04/20/11

Iotal Metals Units: mg/Kg (ppm) Dry Weight Basis

Sample Name:

Longview Grit

Lab Code:

K1102875-002

Date Analyzed:

04/21/11

Analyte

Method

MRL

Calcium as CaCO₃ Magnesium as MgCO₃ **ICP-OES ICP-OES** 275 16

945000 25000