

Nowell, Keith, Env. Health

From: McGrath, Angus <Angus.McGrath@stantec.com>
Sent: Tuesday, May 24, 2016 10:51 AM
To: Nowell, Keith, Env. Health; Roe, Dilan, Env. Health
Cc: Andrew Warner (andrew@cityventures.com); Schreiner, Dan; Hey, Eva
Subject: Analysis for Backfill Soil - Quarry Material from Vulcan Materials, Pleasanton - Voluntary Remedial Action Case RO3157 and GeoTracker Global ID T10000006445, City Ventures, 2240 Filbert St., Oakland
Attachments: CAM-17 Class II Virgin 2-28-13.pdf

Dilan and Keith,

As I described to Keith last week, we have been delayed by contractor availability for the excavation work. We have now confirmed that Cornerstone Environmental Contractors, Inc. will be able to perform the excavation starting June 2, 2016 and plan to complete the work by June 6, 2016. The IRAP report and associated documentation for the excavation work will be submitted within two weeks after completion of the work, depending on availability of final manifests and other required documentation.

Per our discussion during the April 13th meeting, Stantec is providing as an attachment the analytical reports for the selected clean fill from the Vulcan Materials Quarry in Pleasanton. This material has been used extensively as backfill in the area and has low arsenic as you requested. Please respond to this email as to whether the attached report meets the requirement for clean fill for use of this soil. If not, please specify what additional information you require.

The Environmental Site Summary (ESS) will be completed by next week and submitted for your final approval. We hope to receive your comments on the Soil Management Plan (SMP) so we can also finalize that document.

Thank you for your help and we look forward to your approval of the backfill material and recommended changes to the SMP.

Angus...

Angus E. McGrath

Principal Geochemist
National Technical Lead - Site Investigation and Remediation
Stantec
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 Please consider the environment before printing this email.

From: Randy Fowler [mailto:rfowler@cornerstoneenv.com]
Sent: Friday, April 22, 2016 7:35 AM
To: Schreiner, Dan
Subject: Analysis for Quarry Material from Vulcan Materials, Pleasanton

Dan,

See email below in regards to description. This is all they have in the way of analysis for material coming from their quarry.

Randy L. Fowler
Cornerstone Environmental Contractors, Inc.
4070 Nelson Ave., Suite A
Concord, CA 94520
Direct Line: 925.478.4102
Mobile: 925.324.0560
rfowler@cornerstoneenv.com



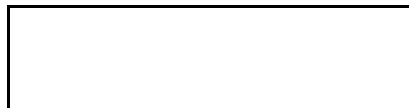
From: "Ruedi Jr, David" <ruedid@vmcmail.com>
Date: April 21, 2016 at 11:47:34 AM PDT
To: James Didio <didiod@vmcmail.com>
Subject: CAM 17

Dom,

Attached are our CAM 17 results. It was done on our Class II Virgin Base which is composed of our crushed 3/4 x 4 gravel & Rod Mill Pea gravel. It is reflective of the Heavy Metals in the aggregates and the deposit we mine.

Let me know if you have any questions,

David Ruedi | Vulcan Materials Company
Technical Services Supervisor | Western Division
50 El Charro Road | Pleasanton, CA 94588
C: 925-260-3017 | O: 925-249-3078



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February 28, 2013
Job No. 3494.900

**BERLOGAR
STEVENS &
ASSOCIATES**

Mr. Greg Vinson
Vulcan Materials Company
52 El Charro Road
Pleasanton, California 94588

Subject: Quality Assessment of Virgin Class 2 Aggregate Base
Walmart Project
Pleasanton Quarry
El Charro Road
Pleasanton, California

Dear Mr. Vinson:

Berlogar Stevens & Associates (BSA) is providing the results of environmental testing performed on samples of Class 2 Aggregate Base (AB) from your virgin AB stockpile at the Pleasanton Quarry. It is our understanding that approximately 1,000 tons (approximately 500 cubic yards) will be exported to a nearby Walmart project. Walmart requires that soil and aggregate base material be sampled and tested per the guidelines contained in the California Department of Toxic Substances Control, "Information Advisory, Clean Imported Fill Material," dated October 2001.

We obtained two samples (A and B) from the proposed virgin AB stockpile on February 20, 2013. The soil samples were packed into laboratory provided sterile, glass jars to minimize head space. The samples were then placed in a chilled cooler with crushed ice, and transported the same day to TestAmerica, a California State Certified analytical laboratory, in Pleasanton, California. Appropriate Chain-of-Custody procedures were followed and accompanied the sample to the laboratory. The two discrete samples were tested for the following chemical constituents by TestAmerica Laboratories.

1. Gasoline Range Organics by EPA Method 8260B.
2. Diesel and Motor Oil Range Organics by EPA Method 8015B.
3. Organochlorine Pesticides by EPA Method 8081A.
4. Polychlorinated Biphenyls by EPA Method 8082.
5. CAM 17 Metals by EPA Method 6010B including Mercury by EPA Method 7471A.

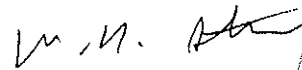
The attached Table 1, Summary of Analytical Test Results, summarizes the results of the laboratory testing and the TestAmerica Analytical Report is also attached. The test results indicate that most of the constituents tested were not detected above the laboratory reporting limits. Table 1 also shows the San Francisco Bay Regional Water Quality Control Board environmental screening level (ESL) goals for residential land use (which we believe to be conservative since this material will be exported to a commercial site). The test results indicate that the detectable constituents were below the residential land use screening levels for the WQCB.

It is our opinion that the Virgin Class 2 AB stockpile tested from the Pleasanton Quarry is suitable for export to the Walmart project. To the best of my professional knowledge, the import AB material has been sampled and tested, is not contaminated and does not contain constituents at concentrations that exceed regulatory action levels that would be cause for regulatory action if brought to the attention of the regulatory agency having jurisdiction. I have personally performed environmental work similar to this for over 20 years.

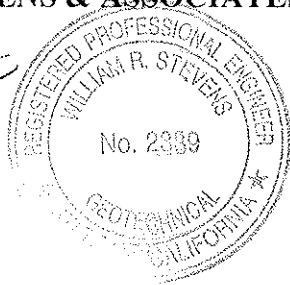
We trust that this letter provides the necessary information you require at this time. If you have any questions, please contact the undersigned at (925) 484-0220.

Respectfully submitted,

BERLOGAR STEVENS & ASSOCIATES



William R. Stevens
Principal Engineer
GE 2339



WRS:jmo

Attachments: Table – Summary of Analytical Test Results
TestAmerica Analytical Report

Copies: Addressee (3)
Vulcan Material Company, Brandi Schacherer (email only), schachererb@vmcmail.com

U:\@@@Public\1-Pleasanton\3494-VulcanAB\Class 2 AB Quality Letter - 25352.docx

Table - Summary of Analytical Test Results

| COMPOUNDS TESTED Samples collected 2/20/13 | SFRWQCB (mg/kg) Residential Land Use Final ESL (a) | A (mg/kg) | B (mg/kg) |
|--|---|-----------------------------|-----------------------------|
| TPH, EPA 8260B Gasoline Range Organics (C5-C12) BTEX Compounds | 83 various | ND ND | ND ND |
| TPH, EPA 8015B Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36] | 83 370 | ND ND | ND ND |
| ORGANOCHLORINE PESTICIDES, EPA 8081A | various | ND | ND |
| PCB (polychlorinated biphenyls), EPA 8082 | various | ND | ND |
| CAM 17 METALS, EPA 6010B Antimony and compounds Arsenic Barium and compounds Beryllium and compounds Cadmium and compounds | 6.3 0.39 750 4.0 1.7 | ND ND 81 ND ND | ND ND 60 ND ND |
| Chromium, total Chromium VI+++ | -- 8.0 | 22 ND | 37 ND |
| Cobalt Copper and compound | 40 230 | 5.6 18 | 6.9 17 |
| Lead and lead compounds Molybdenum Nickel and compounds Selenium Silver and compound | 200 40 150 10 20 | 4.2 ND 46 ND ND | 3.3 ND 52 ND ND |
| Thallium and compounds+++ Vanadium and compounds Zinc | 1.3 16 600 | ND 15 28 | ND 15 26 |
| Mercury and compounds, EPA 7471A | 1.3 | 0.018 | 0.013 |
| pH, general chemistry | -- | 7.44 | 7.59 |

NOTES:

(a) San Francisco Bay Regional Water Quality Control Board, Table A-1, Shallow Soil Screening Levels, Residential Land Use, Groundwater is Potential Drinking Water Resource, 11/07, Revised 5/08.

SFRWQCB - San Francisco Regional Water Quality Control Board

ESL - Environmental Screening Levels

ND - Not Detected at the Laboratory Reporting Limit.

-- Not Tested or No Established Limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

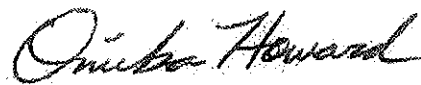
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-47888-1
Client Project/Site: Vulcan Walmart AB

For:
Berlogar Geotechnical
5587 Sunol Boulevard
Pleasanton, California 94566

Attn: Mr. Bill Stevens



Authorized for release by:
2/27/2013 2:56:51 PM

Onieka Howard
Project Manager I
onieka.howard@testamericainc.com

Results made available
Total Access

 **The Expert**

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|-------------------------------------|
| X | Surrogate is outside control limits |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| D | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Berlogar Geotechnical
Project/Site: Vulcan Waimart AB

TestAmerica Job ID: 720-47888-1

Job ID: 720-47888-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative

720-47888-1

Comments

No additional comments.

Receipt

The samples were received on 2/20/2013 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 9.0° C.

GC/MS VOA

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 131096 exceeded control limits for the following analyte: Decachlorobiphenyl. This analyte was biased high in the LCS and was within the control limits in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: A

Lab Sample ID: 720-47888-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|--------|-----|-------|---------|---|--------|-----------|
| Barium | 81 | | 2.0 | | mg/Kg | 4 | | 6010B | Total/NA |
| Chromium | 22 | | 2.0 | | mg/Kg | 4 | | 6010B | Total/NA |
| Cobalt | 5.6 | | 0.79 | | mg/Kg | 4 | | 6010B | Total/NA |
| Copper | 18 | | 5.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Lead | 4.2 | | 2.0 | | mg/Kg | 4 | | 6010B | Total/NA |
| Nickel | 46 | | 2.0 | | mg/Kg | 4 | | 6010B | Total/NA |
| Vanadium | 15 | | 2.0 | | mg/Kg | 4 | | 6010B | Total/NA |
| Zinc | 28 | | 5.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Mercury | 0.018 | | 0.0092 | | mg/Kg | 1 | | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.44 | | 0.100 | | SU | 1 | | 9045C | Soluble |

Client Sample ID: B

Lab Sample ID: 720-47888-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|--------|-----|-------|---------|---|--------|-----------|
| Barium | 60 | | 1.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Chromium | 37 | | 1.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Cobalt | 6.9 | | 0.76 | | mg/Kg | 4 | | 6010B | Total/NA |
| Copper | 17 | | 5.7 | | mg/Kg | 4 | | 6010B | Total/NA |
| Lead | 3.3 | | 1.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Nickel | 52 | | 1.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Vanadium | 15 | | 1.9 | | mg/Kg | 4 | | 6010B | Total/NA |
| Zinc | 26 | | 5.7 | | mg/Kg | 4 | | 6010B | Total/NA |
| Mercury | 0.013 | | 0.0088 | | mg/Kg | 1 | | 7471A | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.59 | | 0.100 | | SU | 1 | | 9045C | Soluble |

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: A

Lab Sample ID: 720-47888-1

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Methyl tert-butyl ether | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Benzene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Ethylbenzene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Toluene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Xylenes, Total | ND | | 10 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Gasoline Range Organics (GRO) -C5-C12 | ND | | 250 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:04 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 93 | | 45 - 131 | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 60 - 140 | 02/23/13 08:00 | 02/23/13 22:04 | 1 |
| Toluene-d8 (Surr) | 99 | | 58 - 140 | 02/23/13 08:00 | 02/23/13 22:04 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 0.99 | | mg/Kg | | 02/25/13 09:22 | 02/26/13 03:16 | 1 |
| Motor Oil Range Organics [C24-C36] | ND | | 50 | | mg/Kg | | 02/25/13 09:22 | 02/26/13 03:16 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| Capric Acid (Surr) | 0.04 | | 0 - 1 | 02/25/13 09:22 | 02/26/13 03:16 | 1 |
| p-Terphenyl | 91 | | 38 - 148 | 02/25/13 09:22 | 02/26/13 03:16 | 1 |

Method: 8081A - Organochlorine Pesticides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Aldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Dieldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endrin aldehyde | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endrin ketone | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Heptachlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Heptachlor epoxide | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| 4,4'-DDT | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| 4,4'-DDE | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| 4,4'-DDD | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endosulfan I | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endosulfan II | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| alpha-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| beta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| gamma-BHC (Lindane) | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| delta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Endosulfan sulfate | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Methoxychlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Toxaphene | ND | | 39 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| Chlordane (technical) | ND | | 39 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| alpha-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| gamma-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:20 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 97 | | 57 - 122 | 02/22/13 09:12 | 02/23/13 00:20 | 1 |
| DCB Decachlorobiphenyl | 129 | | 21 - 136 | 02/22/13 09:12 | 02/23/13 00:20 | 1 |

TestAmerica Pleasanton

Client Sample Results

Client: Berlogar Geotechnical
 Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: A

Lab Sample ID: 720-47888-1

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1221 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1232 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1242 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1248 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1254 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| PCB-1260 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 88 | | 32 - 112 | | | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |
| DCB Decachlorobiphenyl | 110 | | 2 - 122 | | | | 02/22/13 08:58 | 02/23/13 13:48 | 1 |

Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Antimony | ND | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Arsenic | ND | | 4.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Barium | 81 | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Beryllium | ND | | 0.40 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Cadmium | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Chromium | 22 | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Cobalt | 5.6 | | 0.79 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Copper | 18 | | 5.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Lead | 4.2 | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Molybdenum | ND | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Nickel | 46 | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Selenium | ND | | 4.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Silver | ND | | 0.99 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Thallium | ND | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Vanadium | 15 | | 2.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |
| Zinc | 28 | | 5.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:12 | 4 |

Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Mercury | 0.018 | | 0.0092 | | mg/Kg | | 02/22/13 20:15 | 02/25/13 19:30 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|----|------|---|----------|----------------|---------|
| pH | 7.44 | | 0.100 | | SU | | | 02/26/13 21:21 | 1 |

TestAmerica Pleasanton

Client Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: B

Lab Sample ID: 720-47888-2

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Methyl tert-butyl ether | ND | | 4.9 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Benzene | ND | | 4.9 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Ethylbenzene | ND | | 4.9 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Toluene | ND | | 4.9 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Xylenes, Total | ND | | 9.8 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Gasoline Range Organics (GRO) -C5-C12 | ND | | 250 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 22:33 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 94 | | 45 - 131 | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 60 - 140 | 02/23/13 08:00 | 02/23/13 22:33 | 1 |
| Toluene-d8 (Surr) | 99 | | 58 - 140 | 02/23/13 08:00 | 02/23/13 22:33 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 1.0 | | mg/Kg | | 02/25/13 09:22 | 02/25/13 22:27 | 1 |
| Motor Oil Range Organics [C24-C36] | ND | | 50 | | mg/Kg | | 02/25/13 09:22 | 02/25/13 22:27 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| Capric Acid (Surr) | 0 | | 0 - 1 | 02/25/13 09:22 | 02/25/13 22:27 | 1 |
| p-Terphenyl | 88 | | 38 - 148 | 02/25/13 09:22 | 02/25/13 22:27 | 1 |

Method: 8081A - Organochlorine Pesticides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Aldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Dieldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endrin aldehyde | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endrin ketone | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Heptachlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Heptachlor epoxide | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| 4,4'-DDT | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| 4,4'-DDE | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| 4,4'-DDD | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endosulfan I | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endosulfan II | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| alpha-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| beta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| gamma-BHC (Lindane) | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| delta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Endosulfan sulfate | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Methoxychlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Toxaphene | ND | | 39 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| Chlordane (technical) | ND | | 39 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| alpha-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| gamma-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/23/13 00:37 | 1 |

Surrogate

| | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 110 | | 57 - 122 | 02/22/13 09:12 | 02/23/13 00:37 | 1 |
| DCB Decachlorobiphenyl | 108 | | 21 - 136 | 02/22/13 09:12 | 02/23/13 00:37 | 1 |

TestAmerica Pleasanton

Client Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: B

Lab Sample ID: 720-47888-2

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1221 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1232 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1242 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1248 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1254 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| PCB-1260 | ND | | 49 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 14:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 100 | | 32 - 112 | 02/22/13 08:58 | 02/23/13 14:05 | 1 |
| DCB Decachlorobiphenyl | 114 | | 2 - 122 | 02/22/13 08:58 | 02/23/13 14:05 | 1 |

Method: 6010B - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Antimony | ND | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Arsenic | ND | | 3.8 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Barium | 60 | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Beryllium | ND | | 0.38 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Cadmium | ND | | 0.48 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Chromium | 37 | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Cobalt | 6.9 | | 0.76 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Copper | 17 | | 5.7 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Lead | 3.3 | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Molybdenum | ND | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Nickel | 52 | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Selenium | ND | | 3.8 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Silver | ND | | 0.95 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Thallium | ND | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Vanadium | 15 | | 1.9 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |
| Zinc | 26 | | 5.7 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 23:16 | 4 |

Method: 7471A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Mercury | 0.013 | | 0.0088 | | mg/Kg | | 02/22/13 20:15 | 02/25/13 19:33 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|----|------|---|----------|----------------|---------|
| pH | 7.59 | | 0.100 | | SU | | | 02/26/13 21:30 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-131180/1-A
Matrix: Solid
Analysis Batch: 131185

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131180

| Analyte | Result | MB MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|--------------------|-----|-----|-------|---|----------------|----------------|---------|
| Methyl tert-butyl ether | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Benzene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Ethylbenzene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Toluene | ND | | 5.0 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Xylenes, Total | ND | | 10 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Gasoline Range Organics (GRO) -C5-C12 | ND | | 250 | | ug/Kg | | 02/23/13 08:00 | 02/23/13 13:30 | 1 |

| Surrogate | %Recovery | MB MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 101 | | 45 - 131 | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 60 - 140 | 02/23/13 08:00 | 02/23/13 13:30 | 1 |
| Toluene-d8 (Surr) | 100 | | 58 - 140 | 02/23/13 08:00 | 02/23/13 13:30 | 1 |

Lab Sample ID: LCS 720-131180/2-A
Matrix: Solid
Analysis Batch: 131185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131180

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| Methyl tert-butyl ether | 50.0 | 54.4 | | ug/Kg | | 109 | 70 - 144 |
| Benzene | 50.0 | 50.7 | | ug/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 50.0 | 51.0 | | ug/Kg | | 102 | 80 - 137 |
| Toluene | 50.0 | 49.8 | | ug/Kg | | 100 | 80 - 128 |
| m-Xylene & p-Xylene | 100 | 103 | | ug/Kg | | 103 | 70 - 146 |
| o-Xylene | 50.0 | 53.0 | | ug/Kg | | 106 | 70 - 140 |

| Surrogate | %Recovery | LCS Qualifier | Limits |
|------------------------------|-----------|------------------|----------|
| 4-Bromofluorobenzene | 101 | | 45 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 60 - 140 |
| Toluene-d8 (Surr) | 102 | | 58 - 140 |

Lab Sample ID: LCS 720-131180/4-A
Matrix: Solid
Analysis Batch: 131185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131180

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|----------------|---------------|------------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO) -C5-C12 | 1000 | 1010 | | ug/Kg | | 101 | 61 - 128 |

| Surrogate | %Recovery | LCS Qualifier | Limits |
|------------------------------|-----------|------------------|----------|
| 4-Bromofluorobenzene | 103 | | 45 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 60 - 140 |
| Toluene-d8 (Surr) | 103 | | 58 - 140 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-131180/3-A
Matrix: Solid
Analysis Batch: 131185

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131180

| Analyte | Spike Added | LCSD | | Unit | D | %Rec | %Rec. | | RPD | Limit |
|-------------------------|-------------|--------|-----------|-------|---|------|----------|-----|-----|-------|
| | | Result | Qualifier | | | | Limits | RPD | | |
| Methyl tert-butyl ether | 50.0 | 52.7 | | ug/Kg | | 105 | 70 - 144 | 3 | 20 | |
| Benzene | 50.0 | 50.5 | | ug/Kg | | 101 | 70 - 130 | 1 | 20 | |
| Ethylbenzene | 50.0 | 50.0 | | ug/Kg | | 100 | 80 - 137 | 2 | 20 | |
| Toluene | 50.0 | 48.8 | | ug/Kg | | 98 | 80 - 128 | 2 | 20 | |
| m-Xylene & p-Xylene | 100 | 102 | | ug/Kg | | 102 | 70 - 146 | 2 | 20 | |
| o-Xylene | 50.0 | 52.0 | | ug/Kg | | 104 | 70 - 140 | 2 | 20 | |

| Surrogate | LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 98 | | 45 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 60 - 140 |
| Toluene-d8 (Surr) | 102 | | 58 - 140 |

Lab Sample ID: LCSD 720-131180/5-A
Matrix: Solid
Analysis Batch: 131185

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131180

| Analyte | Spike Added | LCSD | | Unit | D | %Rec | %Rec. | | RPD | Limit |
|--|-------------|--------|-----------|-------|---|------|----------|-----|-----|-------|
| | | Result | Qualifier | | | | Limits | RPD | | |
| Gasoline Range Organics (GRO) -C5-C12 | 1000 | 1120 | | ug/Kg | | 112 | 61 - 128 | 10 | 20 | |

| Surrogate | LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 103 | | 45 - 131 |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 60 - 140 |
| Toluene-d8 (Surr) | 102 | | 58 - 140 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-131207/1-A
Matrix: Solid
Analysis Batch: 131211

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Analyte | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Diesel Range Organics [C10-C28] | ND | | 1.0 | | mg/Kg | | 02/25/13 09:22 | 02/26/13 03:16 | 1 |
| Motor Oil Range Organics [C24-C36] | ND | | 50 | | mg/Kg | | 02/25/13 09:22 | 02/26/13 03:16 | 1 |

| Surrogate | MB | | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Capric Acid (Surr) | 0 | | 0 - 1 | 02/25/13 09:22 | 02/26/13 03:16 | 1 |
| p-Terphenyl | 95 | | 38 - 148 | 02/25/13 09:22 | 02/26/13 03:16 | 1 |

Lab Sample ID: LCS 720-131207/2-A
Matrix: Solid
Analysis Batch: 131211

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Analyte | Spike Added | LCS | | Unit | D | %Rec | %Rec. | |
|---------------------------------|-------------|--------|-----------|-------|---|------|----------|-----|
| | | Result | Qualifier | | | | Limits | RPD |
| Diesel Range Organics [C10-C28] | 82.6 | 62.8 | | mg/Kg | | 76 | 36 - 112 | |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-131207/2-A
Matrix: Solid
Analysis Batch: 131211

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Surrogate | LCS LCS | | Limits |
|-------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| p-Terphenyl | 93 | | 38 - 148 |

Lab Sample ID: LCSD 720-131207/3-A
Matrix: Solid
Analysis Batch: 131211

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | %Rec. | | RPD | Limit |
|---------------------------------|-------------|-----------|-----------|-------|---|------|----------|-----|-----|-------|
| | | Result | Qualifier | | | | Limits | RPD | | |
| Diesel Range Organics [C10-C28] | 82.6 | 65.7 | | mg/Kg | | 80 | 35 - 112 | 5 | 35 | |

| Surrogate | LCSD LCSD | | Limits |
|-------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| p-Terphenyl | 90 | | 38 - 148 |

Lab Sample ID: 720-47888-1 MS
Matrix: Solid
Analysis Batch: 131212

Client Sample ID: A
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS MS | | Unit | D | %Rec | %Rec. | | RPD | Limit |
|---------------------------------|---------------|------------------|-------------|--------|-----------|-------|---|------|----------|-----|-----|-------|
| | | | | Result | Qualifier | | | | Limits | RPD | | |
| Diesel Range Organics [C10-C28] | ND | | 82.7 | 63.3 | | mg/Kg | | 77 | 50 - 150 | | | |

| Surrogate | MS MS | | Limits |
|-------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| p-Terphenyl | 103 | | 38 - 148 |

Lab Sample ID: 720-47888-1 MSD
Matrix: Solid
Analysis Batch: 131212

Client Sample ID: A
Prep Type: Silica Gel Cleanup
Prep Batch: 131207

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD MSD | | Unit | D | %Rec | %Rec. | | RPD | Limit |
|---------------------------------|---------------|------------------|-------------|---------|-----------|-------|---|------|----------|-----|-----|-------|
| | | | | Result | Qualifier | | | | Limits | RPD | | |
| Diesel Range Organics [C10-C28] | ND | | 82.7 | 56.0 | | mg/Kg | | 68 | 50 - 150 | 12 | 30 | |

| Surrogate | MSD MSD | | Limits |
|-------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| p-Terphenyl | 99 | | 38 - 148 |

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-131103/1-A
Matrix: Solid
Analysis Batch: 131122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131103

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | DII Fac |
|-----------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Aldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Dieldrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endrin aldehyde | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endrin | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endrin ketone | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Heptachlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-131103/1-A

Matrix: Solid

Analysis Batch: 131122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131103

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Heptachlor epoxide | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| 4,4'-DDT | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| 4,4'-DDE | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| 4,4'-DDD | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endosulfan I | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endosulfan II | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| alpha-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| beta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| gamma-BHC (Lindane) | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| delta-BHC | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Endosulfan sulfate | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Methoxychlor | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Toxaphene | ND | | 40 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| Chlordane (technical) | ND | | 40 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| alpha-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| gamma-Chlordane | ND | | 2.0 | | ug/Kg | | 02/22/13 09:12 | 02/22/13 17:53 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Tetrachloro-m-xylene | 92 | | 57 - 122 | 02/22/13 09:12 | 02/22/13 17:53 | 1 |
| DCB Decachlorobiphenyl | 116 | | 21 - 136 | 02/22/13 09:12 | 02/22/13 17:53 | 1 |

Lab Sample ID: LCS 720-131103/2-A

Matrix: Solid

Analysis Batch: 131122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131103

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec. | |
|---------------------|-------------|------------|---------------|-------|---|-------|----------|
| | | | | | | %Rec | Limits |
| Aldrin | 16.5 | 15.6 | | ug/Kg | | 94 | 65 - 120 |
| Dieldrin | 16.5 | 15.9 | | ug/Kg | | 96 | 72 - 120 |
| Endrin aldehyde | 16.5 | 15.5 | | ug/Kg | | 94 | 57 - 120 |
| Endrin | 16.5 | 15.3 | | ug/Kg | | 93 | 68 - 120 |
| Endrin ketone | 16.5 | 15.7 | | ug/Kg | | 95 | 67 - 120 |
| Heptachlor | 16.5 | 15.5 | | ug/Kg | | 93 | 69 - 120 |
| Heptachlor epoxide | 16.5 | 16.2 | | ug/Kg | | 98 | 68 - 120 |
| 4,4'-DDT | 16.5 | 15.1 | | ug/Kg | | 91 | 51 - 120 |
| 4,4'-DDE | 16.5 | 16.5 | | ug/Kg | | 100 | 70 - 120 |
| 4,4'-DDD | 16.5 | 16.6 | | ug/Kg | | 101 | 69 - 120 |
| Endosulfan I | 16.5 | 16.0 | | ug/Kg | | 96 | 62 - 120 |
| Endosulfan II | 16.5 | 16.1 | | ug/Kg | | 98 | 65 - 120 |
| alpha-BHC | 16.5 | 15.8 | | ug/Kg | | 95 | 70 - 120 |
| beta-BHC | 16.5 | 17.0 | | ug/Kg | | 103 | 81 - 120 |
| gamma-BHC (Lindane) | 16.5 | 16.1 | | ug/Kg | | 97 | 72 - 120 |
| delta-BHC | 16.5 | 16.4 | | ug/Kg | | 99 | 74 - 120 |
| Endosulfan sulfate | 16.5 | 16.6 | | ug/Kg | | 101 | 67 - 120 |
| Methoxychlor | 16.5 | 17.1 | | ug/Kg | | 103 | 61 - 142 |
| alpha-Chlordane | 16.5 | 16.1 | | ug/Kg | | 97 | 70 - 120 |
| gamma-Chlordane | 16.5 | 16.2 | | ug/Kg | | 98 | 68 - 120 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-131103/2-A
Matrix: Solid
Analysis Batch: 131122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131103

| Surrogate | LCS LCS | | Limits |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Tetrachloro-m-xylene | 100 | | 57 - 122 |
| DCB Decachlorobiphenyl | 108 | | 21 - 136 |

Lab Sample ID: LCSD 720-131103/3-A
Matrix: Solid
Analysis Batch: 131122

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131103

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| Aldrin | 16.4 | 15.4 | | ug/Kg | | 94 | 65 - 120 | 1 | 20 | |
| Dieldrin | 16.4 | 16.0 | | ug/Kg | | 98 | 72 - 120 | 1 | 20 | |
| Endrin aldehyde | 16.4 | 15.8 | | ug/Kg | | 96 | 57 - 120 | 2 | 20 | |
| Endrin | 16.4 | 15.5 | | ug/Kg | | 95 | 68 - 120 | 1 | 20 | |
| Endrin ketone | 16.4 | 15.9 | | ug/Kg | | 97 | 67 - 120 | 1 | 20 | |
| Heptachlor | 16.4 | 15.3 | | ug/Kg | | 93 | 69 - 120 | 1 | 20 | |
| Heptachlor epoxide | 16.4 | 16.3 | | ug/Kg | | 99 | 68 - 120 | 1 | 20 | |
| 4,4'-DDT | 16.4 | 15.4 | | ug/Kg | | 94 | 51 - 120 | 2 | 20 | |
| 4,4'-DDE | 16.4 | 16.8 | | ug/Kg | | 102 | 70 - 120 | 1 | 20 | |
| 4,4'-DDD | 16.4 | 17.0 | | ug/Kg | | 104 | 69 - 120 | 2 | 20 | |
| Endosulfan I | 16.4 | 16.0 | | ug/Kg | | 98 | 62 - 120 | 1 | 20 | |
| Endosulfan II | 16.4 | 16.3 | | ug/Kg | | 100 | 65 - 120 | 1 | 35 | |
| alpha-BHC | 16.4 | 15.7 | | ug/Kg | | 95 | 70 - 120 | 1 | 20 | |
| beta-BHC | 16.4 | 17.2 | | ug/Kg | | 105 | 81 - 120 | 1 | 20 | |
| gamma-BHC (Lindane) | 16.4 | 15.9 | | ug/Kg | | 97 | 72 - 120 | 1 | 20 | |
| delta-BHC | 16.4 | 16.5 | | ug/Kg | | 100 | 74 - 120 | 0 | 20 | |
| Endosulfan sulfate | 16.4 | 16.9 | | ug/Kg | | 103 | 67 - 120 | 2 | 20 | |
| Methoxychlor | 16.4 | 17.2 | | ug/Kg | | 105 | 61 - 142 | 2 | 20 | |
| alpha-Chlordane | 16.4 | 16.3 | | ug/Kg | | 100 | 70 - 120 | 1 | 20 | |
| gamma-Chlordane | 16.4 | 16.3 | | ug/Kg | | 99 | 68 - 120 | 1 | 20 | |

| Surrogate | LCSD LCSD | | Limits |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Tetrachloro-m-xylene | 97 | | 57 - 122 |
| DCB Decachlorobiphenyl | 107 | | 21 - 136 |

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-131096/1-A
Matrix: Solid
Analysis Batch: 131165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131096

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| PCB-1016 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1221 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1232 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1242 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1248 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1254 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| PCB-1260 | ND | | 50 | | ug/Kg | | 02/22/13 08:58 | 02/23/13 15:43 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 720-131096/1-A
Matrix: Solid
Analysis Batch: 131165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131096

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Tetrachloro-m-xylene | 86 | | 32 - 112 | 02/22/13 08:58 | 02/23/13 15:43 | 1 |
| DCB Decachlorobiphenyl | 112 | | 2 - 122 | 02/22/13 08:58 | 02/23/13 15:43 | 1 |

Lab Sample ID: LCS 720-131096/2-A
Matrix: Solid
Analysis Batch: 131165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131096

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|---------|-----------|-------|---|------|--------------|
| | | Result | Qualifier | | | | |
| PCB-1016 | 131 | 114 | | ug/Kg | | 87 | 65 - 120 |
| PCB-1260 | 131 | 135 | | ug/Kg | | 103 | 65 - 120 |

| Surrogate | LCS LCS | | Limits |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Tetrachloro-m-xylene | 106 | | 32 - 112 |
| DCB Decachlorobiphenyl | 134 | X | 2 - 122 |

Lab Sample ID: LCSD 720-131096/3-A
Matrix: Solid
Analysis Batch: 131165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131096

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-----------|-----------|-------|---|------|--------------|-----|-----------|
| | | Result | Qualifier | | | | | | |
| PCB-1016 | 131 | 104 | | ug/Kg | | 79 | 65 - 120 | 9 | 20 |
| PCB-1260 | 131 | 121 | | ug/Kg | | 92 | 65 - 120 | 11 | 20 |

| Surrogate | LCSD LCSD | | Limits |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Tetrachloro-m-xylene | 99 | | 32 - 112 |
| DCB Decachlorobiphenyl | 124 | X | 2 - 122 |

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-131041/1-A
Matrix: Solid
Analysis Batch: 131099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131041

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Antimony | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Arsenic | ND | | 1.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Barium | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Beryllium | ND | | 0.10 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Cadmium | ND | | 0.13 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Chromium | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Cobalt | ND | | 0.20 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Copper | ND | | 1.5 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Lead | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Molybdenum | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Nickel | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Selenium | ND | | 1.0 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Silver | ND | | 0.25 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-131041/1-A
Matrix: Solid
Analysis Batch: 131099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131041

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Thallium | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Vanadium | ND | | 0.50 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |
| Zinc | ND | | 1.5 | | mg/Kg | | 02/21/13 13:19 | 02/21/13 22:28 | 1 |

Lab Sample ID: LCS 720-131041/2-A
Matrix: Solid
Analysis Batch: 131099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131041

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|-------|---|------|--------------|
| Antimony | 50.0 | 49.4 | | mg/Kg | | 99 | 80 - 120 |
| Arsenic | 50.0 | 49.5 | | mg/Kg | | 99 | 80 - 120 |
| Barium | 50.0 | 51.8 | | mg/Kg | | 104 | 80 - 120 |
| Beryllium | 50.0 | 51.1 | | mg/Kg | | 102 | 80 - 120 |
| Cadmium | 50.0 | 49.4 | | mg/Kg | | 99 | 80 - 120 |
| Chromium | 50.0 | 50.9 | | mg/Kg | | 102 | 80 - 120 |
| Cobalt | 50.0 | 51.3 | | mg/Kg | | 103 | 80 - 120 |
| Copper | 50.0 | 50.2 | | mg/Kg | | 100 | 80 - 120 |
| Lead | 50.0 | 50.9 | | mg/Kg | | 102 | 80 - 120 |
| Molybdenum | 50.0 | 50.3 | | mg/Kg | | 101 | 80 - 120 |
| Nickel | 50.0 | 50.5 | | mg/Kg | | 101 | 80 - 120 |
| Selenium | 50.0 | 48.3 | | mg/Kg | | 97 | 80 - 120 |
| Silver | 25.0 | 24.9 | | mg/Kg | | 100 | 80 - 120 |
| Thallium | 50.0 | 50.2 | | mg/Kg | | 100 | 80 - 120 |
| Vanadium | 50.0 | 50.6 | | mg/Kg | | 101 | 80 - 120 |
| Zinc | 50.0 | 50.3 | | mg/Kg | | 101 | 80 - 120 |

Lab Sample ID: LCSD 720-131041/3-A
Matrix: Solid
Analysis Batch: 131099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131041

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Antimony | 50.0 | 48.7 | | mg/Kg | | 97 | 80 - 120 | 1 | 20 |
| Arsenic | 50.0 | 48.6 | | mg/Kg | | 97 | 80 - 120 | 2 | 20 |
| Barium | 50.0 | 50.5 | | mg/Kg | | 101 | 80 - 120 | 2 | 20 |
| Beryllium | 50.0 | 49.9 | | mg/Kg | | 100 | 80 - 120 | 2 | 20 |
| Cadmium | 50.0 | 48.6 | | mg/Kg | | 97 | 80 - 120 | 2 | 20 |
| Chromium | 50.0 | 50.1 | | mg/Kg | | 100 | 80 - 120 | 1 | 20 |
| Cobalt | 50.0 | 50.3 | | mg/Kg | | 101 | 80 - 120 | 2 | 20 |
| Copper | 50.0 | 49.4 | | mg/Kg | | 99 | 80 - 120 | 2 | 20 |
| Lead | 50.0 | 50.0 | | mg/Kg | | 100 | 80 - 120 | 2 | 20 |
| Molybdenum | 50.0 | 49.5 | | mg/Kg | | 99 | 80 - 120 | 2 | 20 |
| Nickel | 50.0 | 49.7 | | mg/Kg | | 99 | 80 - 120 | 2 | 20 |
| Selenium | 50.0 | 47.4 | | mg/Kg | | 95 | 80 - 120 | 2 | 20 |
| Silver | 25.0 | 24.4 | | mg/Kg | | 98 | 80 - 120 | 2 | 20 |
| Thallium | 50.0 | 49.6 | | mg/Kg | | 99 | 80 - 120 | 1 | 20 |
| Vanadium | 50.0 | 49.8 | | mg/Kg | | 100 | 80 - 120 | 2 | 20 |
| Zinc | 50.0 | 49.5 | | mg/Kg | | 99 | 80 - 120 | 2 | 20 |

TestAmerica Pleasanton

QC Sample Results

Client: Berlogar Geotechnical
 Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-131159/1-A
 Matrix: Solid
 Analysis Batch: 131246

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 131159

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Mercury | ND | | 0.010 | | mg/Kg | | 02/22/13 20:15 | 02/26/13 19:11 | 1 |

Lab Sample ID: LCS 720-131159/2-A
 Matrix: Solid
 Analysis Batch: 131246

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 131159

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| | | | | | | | |

Lab Sample ID: LCSD 720-131159/3-A
 Matrix: Solid
 Analysis Batch: 131246

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 131159

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| | | | | | | | | | |

Method: 9045C - pH

Lab Sample ID: 720-47888-1 DU
 Matrix: Solid
 Analysis Batch: 131320

Client Sample ID: A
 Prep Type: Soluble

| Analyte | Sample Sample | | DU DU | | Unit | D | RPD | RPD Limit |
|---------|---------------|-----------|--------|-----------|------|---|-----|-----------|
| | Result | Qualifier | Result | Qualifier | | | | |
| pH | 7.44 | | 7.620 | | SU | | 2 | 20 |

QC Association Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

GC/MS VOA

Prep Batch: 131180

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 5030B | |
| 720-47888-2 | B | Total/NA | Solid | 5030B | |
| LCS 720-131180/2-A | Lab Control Sample | Total/NA | Solid | 5030B | |
| LCS 720-131180/4-A | Lab Control Sample | Total/NA | Solid | 5030B | |
| LCSD 720-131180/3-A | Lab Control Sample Dup | Total/NA | Solid | 5030B | |
| LCSD 720-131180/5-A | Lab Control Sample Dup | Total/NA | Solid | 5030B | |
| MB 720-131180/1-A | Method Blank | Total/NA | Solid | 5030B | |

Analysis Batch: 131185

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------------|------------|
| 720-47888-1 | A | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| 720-47888-2 | B | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| LCS 720-131180/2-A | Lab Control Sample | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| LCS 720-131180/4-A | Lab Control Sample | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| LCSD 720-131180/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| LCSD 720-131180/5-A | Lab Control Sample Dup | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |
| MB 720-131180/1-A | Method Blank | Total/NA | Solid | 8260B/CA_LUFT MS | 131180 |

GC Semi VOA

Prep Batch: 131096

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 3546 | |
| 720-47888-2 | B | Total/NA | Solid | 3546 | |
| LCS 720-131096/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCSD 720-131096/3-A | Lab Control Sample Dup | Total/NA | Solid | 3546 | |
| MB 720-131096/1-A | Method Blank | Total/NA | Solid | 3546 | |

Prep Batch: 131103

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 3546 | |
| 720-47888-2 | B | Total/NA | Solid | 3546 | |
| LCS 720-131103/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCSD 720-131103/3-A | Lab Control Sample Dup | Total/NA | Solid | 3546 | |
| MB 720-131103/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 131122

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 8081A | 131103 |
| 720-47888-2 | B | Total/NA | Solid | 8081A | 131103 |
| LCS 720-131103/2-A | Lab Control Sample | Total/NA | Solid | 8081A | 131103 |
| LCSD 720-131103/3-A | Lab Control Sample Dup | Total/NA | Solid | 8081A | 131103 |
| MB 720-131103/1-A | Method Blank | Total/NA | Solid | 8081A | 131103 |

TestAmerica Pleasanton

QC Association Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

GC Semi VOA (Continued)

Analysis Batch: 131165

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 8082 | 131096 |
| 720-47888-2 | B | Total/NA | Solid | 8082 | 131096 |
| LCS 720-131096/2-A | Lab Control Sample | Total/NA | Solid | 8082 | 131096 |
| LCSD 720-131096/3-A | Lab Control Sample Dup | Total/NA | Solid | 8082 | 131096 |
| MB 720-131096/1-A | Method Blank | Total/NA | Solid | 8082 | 131096 |

Prep Batch: 131207

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|--------------------|--------|--------|------------|
| 720-47888-1 | A | Silica Gel Cleanup | Solid | 3546 | |
| 720-47888-1 MS | A | Silica Gel Cleanup | Solid | 3546 | |
| 720-47888-1 MSD | A | Silica Gel Cleanup | Solid | 3546 | |
| 720-47888-2 | B | Silica Gel Cleanup | Solid | 3546 | |
| LCS 720-131207/2-A | Lab Control Sample | Silica Gel Cleanup | Solid | 3546 | |
| LCSD 720-131207/3-A | Lab Control Sample Dup | Silica Gel Cleanup | Solid | 3546 | |
| MB 720-131207/1-A | Method Blank | Silica Gel Cleanup | Solid | 3546 | |

Analysis Batch: 131211

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|--------------------|--------|--------|------------|
| 720-47888-2 | B | Silica Gel Cleanup | Solid | 8015B | 131207 |
| LCS 720-131207/2-A | Lab Control Sample | Silica Gel Cleanup | Solid | 8015B | 131207 |
| LCSD 720-131207/3-A | Lab Control Sample Dup | Silica Gel Cleanup | Solid | 8015B | 131207 |
| MB 720-131207/1-A | Method Blank | Silica Gel Cleanup | Solid | 8015B | 131207 |

Analysis Batch: 131212

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|--------------------|--------|--------|------------|
| 720-47888-1 | A | Silica Gel Cleanup | Solid | 8015B | 131207 |
| 720-47888-1 MS | A | Silica Gel Cleanup | Solid | 8015B | 131207 |
| 720-47888-1 MSD | A | Silica Gel Cleanup | Solid | 8015B | 131207 |

Metals

Prep Batch: 131041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 3050B | |
| 720-47888-2 | B | Total/NA | Solid | 3050B | |
| LCS 720-131041/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| LCSD 720-131041/3-A | Lab Control Sample Dup | Total/NA | Solid | 3050B | |
| MB 720-131041/1-A | Method Blank | Total/NA | Solid | 3050B | |

Analysis Batch: 131099

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 6010B | 131041 |
| 720-47888-2 | B | Total/NA | Solid | 6010B | 131041 |
| LCS 720-131041/2-A | Lab Control Sample | Total/NA | Solid | 6010B | 131041 |
| LCSD 720-131041/3-A | Lab Control Sample Dup | Total/NA | Solid | 6010B | 131041 |
| MB 720-131041/1-A | Method Blank | Total/NA | Solid | 6010B | 131041 |

Prep Batch: 131159

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 7471A | |

TestAmerica Pleasanton

QC Association Summary

Client: Berlogar Geotechnical
 Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Metals (Continued)

Prep Batch: 131159 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-2 | B | Total/NA | Solid | 7471A | |
| LCS 720-131159/2-A | Lab Control Sample | Total/NA | Solid | 7471A | |
| LCS 720-131159/3-A | Lab Control Sample Dup | Total/NA | Solid | 7471A | |
| MB 720-131159/1-A | Method Blank | Total/NA | Solid | 7471A | |

Analysis Batch: 131246

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Total/NA | Solid | 7471A | 131159 |
| 720-47888-2 | B | Total/NA | Solid | 7471A | 131159 |
| LCS 720-131159/2-A | Lab Control Sample | Total/NA | Solid | 7471A | 131159 |
| LCS 720-131159/3-A | Lab Control Sample Dup | Total/NA | Solid | 7471A | 131159 |
| MB 720-131159/1-A | Method Blank | Total/NA | Solid | 7471A | 131159 |

General Chemistry

Leach Batch: 131237

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|----------|------------|
| 720-47888-1 | A | Soluble | Solid | Df Leach | |
| 720-47888-1 DU | A | Soluble | Solid | DI Leach | |
| 720-47888-2 | B | Soluble | Solid | DI Leach | |

Analysis Batch: 131320

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 720-47888-1 | A | Soluble | Solid | 9045C | 131237 |
| 720-47888-1 DU | A | Soluble | Solid | 9045C | 131237 |
| 720-47888-2 | B | Soluble | Solid | 9045C | 131237 |
| LCS 720-131320/1 | Lab Control Sample | Total/NA | Solid | 9045C | |

Lab Chronicle

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Client Sample ID: A

Lab Sample ID: 720-47888-1

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5030B | | | 131180 | 02/23/13 08:00 | PD | TAL SF |
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 131185 | 02/23/13 22:04 | AC | TAL SF |
| Total/NA | Prep | 3546 | | | 131103 | 02/22/13 09:12 | MP | TAL SF |
| Total/NA | Analysis | 8081A | | 1 | 131122 | 02/23/13 00:20 | JZ | TAL SF |
| Total/NA | Prep | 3546 | | | 131096 | 02/22/13 08:58 | MP | TAL SF |
| Total/NA | Analysis | 8082 | | 1 | 131165 | 02/23/13 13:48 | DH | TAL SF |
| Silica Gel Cleanup | Prep | 3546 | | | 131207 | 02/25/13 09:22 | MP | TAL SF |
| Silica Gel Cleanup | Analysis | 8015B | | 1 | 131212 | 02/26/13 03:16 | DH | TAL SF |
| Total/NA | Prep | 3050B | | | 131041 | 02/21/13 13:19 | ET | TAL SF |
| Total/NA | Analysis | 6010B | | 4 | 131099 | 02/21/13 23:12 | SK | TAL SF |
| Total/NA | Prep | 7471A | | | 131159 | 02/22/13 20:15 | CDT | TAL SF |
| Total/NA | Analysis | 7471A | | 1 | 131246 | 02/25/13 19:30 | SK | TAL SF |
| Soluble | Leach | DI Leach | | | 131237 | 02/26/13 15:00 | MJK | TAL SF |
| Soluble | Analysis | 9045C | | 1 | 131320 | 02/26/13 21:21 | EYT | TAL SF |

Client Sample ID: B

Lab Sample ID: 720-47888-2

Date Collected: 02/20/13 09:05

Matrix: Solid

Date Received: 02/20/13 10:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5030B | | | 131180 | 02/23/13 08:00 | PD | TAL SF |
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 131185 | 02/23/13 22:33 | AC | TAL SF |
| Total/NA | Prep | 3546 | | | 131103 | 02/22/13 09:12 | MP | TAL SF |
| Total/NA | Analysis | 8081A | | 1 | 131122 | 02/23/13 00:37 | JZ | TAL SF |
| Total/NA | Prep | 3546 | | | 131096 | 02/22/13 08:58 | MP | TAL SF |
| Total/NA | Analysis | 8082 | | 1 | 131165 | 02/23/13 14:05 | DH | TAL SF |
| Silica Gel Cleanup | Prep | 3546 | | | 131207 | 02/25/13 09:22 | MP | TAL SF |
| Silica Gel Cleanup | Analysis | 8015B | | 1 | 131211 | 02/25/13 22:27 | DH | TAL SF |
| Total/NA | Prep | 3050B | | | 131041 | 02/21/13 13:19 | ET | TAL SF |
| Total/NA | Analysis | 6010B | | 4 | 131099 | 02/21/13 23:16 | SK | TAL SF |
| Total/NA | Prep | 7471A | | | 131159 | 02/22/13 20:15 | CDT | TAL SF |
| Total/NA | Analysis | 7471A | | 1 | 131246 | 02/25/13 19:33 | SK | TAL SF |
| Soluble | Leach | DI Leach | | | 131237 | 02/26/13 15:00 | MJK | TAL SF |
| Soluble | Analysis | 9045C | | 1 | 131320 | 02/26/13 21:30 | EYT | TAL SF |

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TestAmerica Pleasanton

Certification Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------|---------------|------------|------------------|-----------------|
| California | State Program | 9 | 2496 | 01-31-14 |

Method Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

| Method | Method Description | Protocol | Laboratory |
|---------------------|--|----------|------------|
| 8260B/CA_LUFTM S | 8260B / CA LUFT MS | SW846 | TAL SF |
| 8015B | Diesel Range Organics (DRO) (GC) | SW846 | TAL SF |
| 8081A | Organochlorine Pesticides (GC) | SW846 | TAL SF |
| 8082 | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL SF |
| 6010B | Metals (ICP) | SW846 | TAL SF |
| 7471A | Mercury (CVAA) | SW846 | TAL SF |
| 9045C | pH | SW846 | TAL SF |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Berlogar Geotechnical
Project/Site: Vulcan Walmart AB

TestAmerica Job ID: 720-47888-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 720-47888-1 | A | Solid | 02/20/13 09:05 | 02/20/13 10:10 |
| 720-47888-2 | B | Solid | 02/20/13 09:05 | 02/20/13 10:10 |



Login Sample Receipt Checklist

Client: Berlogar Geotechnical

Job Number: 720-47888-1

Login Number: 47888

List Number: 1

List Source: TestAmerica Pleasanton

Creator: Mullen, Joan

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |