

A E ANDERSEN ENVIRONMENTAL

5261 W. Imperial Highway, Los Angeles, CA 90045

Toll Free: (888) 705-6300 Tel: (310) 854-6300 Fax: (310) 854-0199

TECHNICAL MEMORANDUM – SOIL SCREENING RESULTS

FOR THE PROPERTY LOCATED AT THE
Jordan Downs Housing Development
Los Angeles, California 90002

PREPARED BY
Andersen Environmental
5261 W. Imperial Hwy
Los Angeles, California 90045

PREPARED ON BEHALF OF
The Housing Authority of the City of Los Angeles
2600 Wilshire Boulevard
Los Angeles, California 90057



FOR SUBMITTAL TO
Department of Toxic Substance Control
9211 Oakdale Avenue
Chatsworth, California 91311

PREPARED BY:

Brian H. Martasin, P.G. 8356
Principal Geologist

REVIEWED BY:

Matthew Rodda, REA #07934
Sr. Project Manager

August 15, 2014

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1.0 INTRODUCTION

Andersen Environmental presents this Technical Memorandum presenting the results of the soil screening performed at the Jordan Downs Housing Development (Jordan Downs), in the City of Los Angeles, California. The work detailed herein was performed in accordance with Andersen Environmental's *Off-Site Soil Screening Workplan*, dated June 19, 2014, and approved by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) letter dated July 7, 2014 (Appendix A), and discussions between DTSC, HACLA, and Andersen Environmental.

1.1 Purpose

The purpose of the work performed was to screen surficial soils within Jordan Downs for the presence of metals in order to evaluate potential exposure risks to residents of the community.

2.0 GENERAL SITE DESCRIPTION

2.1 Site Location and Description

The study area for this investigation is located within a portion of the Jordan Downs housing development in the City of Los Angeles. Specifically, the study area included the area immediately north of 99th Place, the area between Laurel Place and 9901 S. Alameda St., the area to the west of 9901 S. Alameda St., and the area south of 9901 S. Alameda St. and west of Jordan High School. The investigation area is shown on Figure 1.

3.0 SOIL SAMPLING

The proposed soil screening investigation focused on evaluating metals concentrations in surficial and near-surface soils within Jordan Downs. The locations of the 30 soil sample locations are illustrated on Figure 1.

3.1 Field Activities

Andersen Environmental performed the surficial soil sampling at 30 locations (OSB-1 through OSB-30) in Jordan Downs. Sample locations are presented on Figure 2. Soil samples were collected in clean, laboratory provided glass jars from the surface or near surface soil at each location. Soil samples were collected from surface soils directly into clean, laboratory-provided glass jars by an experienced Andersen scientist working under the direct supervision of a California Professional Geologist. As such, there was no equipment to decontaminate, and no investigation derived waste was generated.

3.2 Analytical Results

A total of 30 samples and two duplicate samples were analyzed for Title 22 Metals by EPA Method 6010B/7471A. Table 1 presents a summary of the analytical results, and the laboratory analytical report is included in Appendix B. Lead concentrations ranged from 22.8 mg/kg (OSB-4) to 145 mg/kg (OSB-13), with 14 of the 30 soil samples exceeding the residential California Human Health Screening Level (CHHSL) of 80 mg/kg.

Cadmium exceeded its residential CHHSL of 1.7 mg/kg in 13 of the 30 samples analyzed, with a maximum concentration of 11.9 mg/kg detected in OSB-1. However, it should be noted that DTSC has issued a more recent screening level for cadmium. In their HERO HHRA Note 3 dated May 21, 2013, DTSC provides a

modified screening level for cadmium of 4 mg/kg for residential soils. Under this guidance, only 2 of 30 samples analyzed (OSB-1 and -3) exceeds the screening level. Finally, arsenic was detected at a maximum concentration of 7.89 mg/kg (OSB-1), which is well within the range of commonly accepted background concentrations (1 mg/kg to 12 mg/kg) for southern California soils.

4.0 CONCLUSIONS

Andersen Environmental has performed a screening level evaluation of metals in surficial soils around the perimeter of the Jordan Downs community surrounding the 9901 S. Alameda property. Our conclusions and recommendations are as follows:

- A total of 30 samples and two duplicate samples were analyzed for Title 22 Metals by EPA Method 6010B/7471A.
- A total of 30 samples and two duplicate samples were analyzed for Title 22 Metals by EPA Method 6010B/7471A. Lead concentrations ranged from 22.8 mg/kg (OSB-4) to 145 mg/kg (OSB-13), with 14 of the 30 soil samples exceeding the residential CHHSL of 80 mg/kg.
- Cadmium exceeded its residential CHHSL of 1.7 mg/kg in 13 of the 30 samples analyzed, with a maximum concentration of 11.9 mg/kg detected in OSB-1. However, it should be noted that DTSC has issued a more recent screening level for cadmium. In their HERO HHRA Note 3 dated May 21, 2013, DTSC provides a modified screening level for cadmium of 4 mg/kg for residential soils. Under this guidance, only 2 of 30 samples analyzed (OSB-1 and -3) exceeds the screening level.
- Finally, Arsenic was detected at a maximum concentration of 7.89 mg/kg (OSB-1), which is well within the range of commonly accepted background concentrations (1 mg/kg to 12 mg/kg) for southern California soils.
- Based on the sampling results presented herein, Andersen Environmental, on behalf of HACLA, requests that no further action regarding metals in surficial soils be required by DTSC at this time.

FIGURE



FIGURE 2

LEGEND:

- SUBJECT PROPERTY
- SOIL SAMPLE LOCATION WITH LEAD CONCENTRATION (mg/kg)
- EXXON MOBIL MONITORING WELL

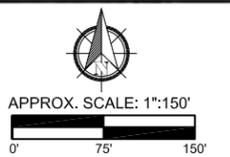
SITE PLAN SHOWING SOIL SAMPLE LOCATIONS AND LEAD RESULTS



ADDRESS: 9901 ALAMEDA STREET
LOS ANGELES, CALIFORNIA

SOURCE: ANDERSEN ENVIRONMENTAL
PROJECT NO.: 1107-741
DRAWN BY: JOHN ESCALONA
CHECKED BY: BRIAN MARTASIN
DATE: 07/22/2014

NOTES:
1. SAMPLE LOCATIONS ARE APPROXIMATE



TABLE

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - TITLE 22 METALS
Jordan Downs Housing Development
Los Angeles, CA

Sample Location - Depth	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
OSB-1	7/15/14	2.83	7.89	196	ND	11.9	103	12.0	73.2	78.7	ND	26.4	4.37	7.12	ND	50.3	226	0.236
OSB-2	7/15/14	ND	7.63	178	ND	2.87	44.2	11.7	37.9	41.5	1.38	22.3	3.68	1.42	ND	49.9	110	0.100
OSB-3	7/15/14	ND	7.84	175	ND	5.73	59.9	11.7	56.2	46.4	2.90	22.7	3.90	2.93	ND	51.2	141	0.184
OSB-4	7/15/14	ND	2.52	81.9	ND	ND	14.1	6.71	17.1	22.8	ND	8.93	2.67	ND	ND	29.7	58.3	ND
OSB-5	7/15/14	ND	3.52	127	ND	ND	22.8	9.55	31.8	48.0	1.41	15.5	3.46	ND	ND	39.5	238	ND
OSB-6	7/15/14	ND	3.52	127	ND	ND	22.8	9.55	31.8	48.0	1.41	15.5	3.46	ND	ND	39.5	238	ND
OSB-7	7/15/14	ND	3.64	118	ND	ND	22.8	9.06	34.4	59.8	1.17	14.4	3.57	ND	ND	38.0	210	0.100
OSB-8	7/15/14	ND	2.90	142	ND	1.53	44.4	10.3	49.1	68.4	1.82	17.5	5.15	ND	ND	40.7	276	ND
OSB-9	7/15/14	ND	3.38	148	ND	2.61	30.1	10.9	51.6	124	1.69	19.8	4.48	ND	ND	42.2	555	0.108
OSB-10	7/15/14	ND	3.92	154	ND	1.42	25.3	10.6	42.8	59.1	1.52	15.9	4.46	ND	ND	41.1	256	ND
OSB-11	7/15/14	ND	3.83	156	ND	1.38	30.5	11.4	46.8	96.0	1.46	16.9	4.76	ND	ND	42.9	252	ND
OSB-12	7/15/14	ND	4.48	153	ND	1.97	26.8	10.9	51.6	95.4	1.36	24.1	4.36	ND	ND	41.0	346	0.114
OSB-13	7/15/14	ND	4.02	164	ND	3.31	33.8	11.9	60.8	145	1.60	21.5	4.94	ND	ND	43.1	483	0.181
OSB-14	7/15/14	ND	4.30	156	ND	2.48	29.1	11.4	50.3	96.8	1.65	19.3	4.97	ND	ND	42.9	374	0.162
OSB-15	7/15/14	ND	3.31	125	ND	ND	29.0	10.3	33.9	33.9	1.89	18.2	4.21	ND	ND	38.3	199	0.225
OSB-16	7/15/14	ND	3.58	133	ND	1.85	24.8	10.2	41.7	73.4	1.22	15.4	4.22	ND	ND	39.0	314	0.156
OSB-17	7/15/14	ND	2.16	114	ND	1.11	20.3	9.79	30.9	49.9	1.13	13.5	3.86	ND	ND	39.9	200	ND
OSB-18	7/15/14	ND	3.41	147	ND	1.75	29.1	11.5	48.5	85.0	1.38	19.5	4.89	ND	ND	45.7	314	0.112
OSB-19	7/15/14	ND	3.62	128	ND	1.85	28.9	10.5	106	82.1	2.16	20.9	5.05	ND	ND	40.0	763	0.112
OSB-20	7/15/14	ND	3.03	111	ND	1.36	23.9	8.03	56.4	67.8	2.28	17.6	4.42	ND	ND	31.2	301	0.121
OSB-21	7/15/14	ND	3.69	121	ND	1.28	24.9	10.6	41.2	58.7	1.52	19.2	4.54	ND	ND	41.3	218	0.106
OSB-22	7/15/14	ND	3.26	149	ND	1.60	32.1	11.5	53.3	95.0	1.91	21.2	3.68	ND	ND	43.7	258	0.167
OSB-23	7/15/14	ND	3.40	132	ND	ND	23.0	10.8	43.6	48.8	1.22	17.9	4.43	ND	ND	41.5	178	ND
OSB-24	7/15/14	ND	2.80	141	ND	1.11	25.3	11.4	48.3	89.9	1.52	18.6	4.18	ND	ND	43.0	224	0.384
OSB-25	7/15/14	ND	4.60	147	ND	1.26	25.8	11.0	71.1	87.3	1.40	18.9	4.38	ND	ND	41.4	315	0.320
OSB-26	7/15/14	ND	2.94	135	ND	1.10	23.8	9.92	52.5	98.2	1.53	17.9	4.37	ND	ND	36.2	266	0.110
OSB-27	7/15/14	ND	3.29	137	ND	ND	23.0	10.9	45.2	67.0	1.27	16.7	4.61	ND	ND	41.3	237	0.138
OSB-28	7/15/14	ND	2.62	127	ND	ND	24.0	9.63	53.3	92.6	ND	20.8	5.34	ND	ND	34.5	272	ND
OSB-29	7/15/14	ND	3.29	144	ND	1.10	24.6	10.9	49.1	80.9	1.40	17.5	4.58	ND	ND	41.4	245	0.136
OSB-30	7/15/14	ND	3.93	149	ND	1.29	26.8	11.0	52.1	82.2	1.78	20.5	4.39	ND	ND	42.6	351	0.182
DUP-1	7/15/14	ND	3.69	145	ND	1.47	23.6	9.38	43.5	58.4	2.03	16.7	4.89	ND	ND	34.8	257	ND
DUP-2	7/15/14	ND	3.60	139	ND	1.77	25.0	10.9	43.2	74.0	1.27	15.9	4.58	ND	ND	41.5	288	0.162
Residential CHHSL (mg/kg)		30	0.07	5200	16	1.7	100000	660	3000	80	380	1600	380	380	5	530	23000	18
Other Applicable Screening Levels (mg/kg)		N/A	12*	N/A	N/A	4**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:
mg/kg - micrograms per kilogram
ND - Not detected above laboratory detection limits
NA - Not Analyzed
DUP-1 - Duplicate sample for OSB-8
DUP-2 - Duplicate sample for OSB-16
CHHSL - California Human Health Screening Level
Bold - Indicates a metal exceeds its respective residential CHHSL
* - 12 mg/kg is the widely accepted upper bound range for naturally occurring arsenic concentrations in southern California soils
** - A residential screening level of 4 mg/kg has been provided for cadmium by DTSC in their HHRA Note 3 dated May 21, 2013

APPENDIX A

DTSC Letter Dated May 27, 2014



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Miriam Barcellona Ingenito
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311



Edmund G. Brown Jr.
Governor

July 7, 2014

Mr. Larry D. Goins
Sr. Director
Real Estate Development
Housing Authority of the City of Los Angeles
2600 Wilshire Boulevard, 4th Floor
Los Angeles, California 90057

APPROVAL OF METALS SCREENING SAMPLING LOCATIONS, JORDAN DOWNS
RESIDENTIAL COMMUNITY, 9901 SOUTH ALAMEDA, LOS ANGELES, CALIFORNIA
(SITE CODE 301493)

Dear Mr. Goins:

The Department of Toxic Substances Control (DTSC) has reviewed the lead and CAM 17 metals sampling locations within the perimeter of housing development. These locations are within the Jordan Downs Housing community. Sample collection and analysis of these thirty (30) locations will determine if lead and other metals identified in soil at the former factory site have extended beyond the site boundary. The Housing Authority of the City of Los Angeles and their consultant, Andersen Environmental, will collect soil samples in the residential areas for analysis. The following comments are provided by the DTSC Project Geologist, Bruce Garbaccio:

Section 3.2 Field Activities

1. This section should state that samples will be taken to a laboratory and analyzed for Title 22 metals by EPA Method 6010B.

3.3.1 Field Duplicate Sampling

2. The procedures described indicate that duplicate samples will be collected approximately 0.5 feet away from each other. As metals concentration in soil may be highly variable, GSU staff recommends that the samples be collected concurrently from the same location and split into two separate jars. The purpose of the duplicate sample is to ensure that the laboratory is meeting the standards, not whether there is variability in the soil.

Mr. Larry D. Goins
July 7, 2014
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Section 3.4 Data Evaluation, Contingency Sampling, and Reporting

3. GSU staff concurs that the initial data be evaluated to determine if additional lateral and vertical delineation is needed. If vertical delineation is necessary additional description of procedures for sample collection such as hand auguring and backfilling will need to be provided.

DTSC understands that work will commence the week of July 14, 2014. A DTSC work notice has been drafted and upon approval is to be distributed to residents. The sampling locations are hereby approved for implementation pending incorporation of the above comments provided by the DTSC Project Geologist and approval of the work notice. Please notify DTSC of the anticipated fieldwork forty-eight (48) hours in advance.

If you have any questions regarding this letter, please contact Bruce Garbaccio at (818) 717-6627 or me, at (818) 717-6534.

Sincerely,



Sayareh Amir
Branch Chief
Brownfields and Environmental Restoration Program – Chatsworth Office

cc: Mr. Ramin Kianfar
Senior Project Manager
2600 Wilshire Boulevard, 4th Floor
Los Angeles, California 90057

Mr. Brian Martasin, P.G.
Professional Geologist
Andersen Environmental
5261 West Imperial Highway
Los Angeles, California 90045

Mr. Matthew Rodda
Senior Project Manager
Andersen Environmental
5261 West Imperial Highway
Los Angeles, California 90045

Mr. Larry D. Goins

July 7, 2014

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bcc: Mr. Bruce Garbaccio, P.G.
Project Geologist
Geological Services Unit
Chatsworth Office

Ms. Juli Propes, P.G., C.E.G.
Unit Chief
Brownfields and Environmental Restoration Program
Chatsworth Office

Ms. Shukla Roy-Semmen, Ph.D.
Project Toxicologis
Brownfields and Environmental Restoration Program
Cypress Office

APPENDIX B

Laboratory Analytical Report



781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

July 18, 2014

Mr. Brian Martasin, PG
Andersen Environmental Inc.
5261 West Imperial Highway
Los Angeles, CA 90045

Report No.: 1407101
Project Name: Jordan Downs / 1004-423

Dear Mr. Brian Martasin, PG,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on July 15, 2014.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-1 Soil (1407101-01) Sampled:07/15/14 07:50 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	2.83		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	7.89		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	196		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	11.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	103		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	12.0		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	73.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	78.7		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.50		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	26.4		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.37		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	7.12		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	50.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	226		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.236		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-2 Soil (1407101-02) Sampled:07/15/14 07:54 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	7.63		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	178		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	2.87		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	44.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	11.7		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	37.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	41.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.38		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	22.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	3.68		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	1.42		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	49.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	110		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.100		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-3 Soil (1407101-03) Sampled:07/15/14 07:57 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	7.84		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	175		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	5.73		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	59.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704



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Certificate of Analysis

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Andersen Environmental Inc.
 5261 West Imperial Highway
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File #:74354
 Report Date: 07/18/14
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PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-3 Soil (1407101-03) Sampled:07/15/14 07:57 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Cobalt	11.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	56.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	46.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	2.90		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	22.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	3.90		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	2.93		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	51.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	141		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Mercury	0.184		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-4 Soil (1407101-04) Sampled:07/15/14 08:00 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	2.52		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	81.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	14.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	6.71		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	17.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	22.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	8.93		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	2.67		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	29.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	58.3		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-5 Soil (1407101-05) Sampled:07/15/14 08:03 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	3.52		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	127		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	22.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	9.55		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	31.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	48.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.41		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	15.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	3.46		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-5 Soil (1407101-05) Sampled:07/15/14 08:03 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Vanadium	39.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	238		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	
Sample ID: OSB-6 Soil (1407101-06) Sampled:07/15/14 08:05 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.64		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	118		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	22.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	9.06		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	34.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	59.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.17		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	14.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	3.57		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	38.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	210		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	0.100		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	
Sample ID: OSB-7 Soil (1407101-07) Sampled:07/15/14 08:07 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.75		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	134		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.14		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	25.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	40.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	59.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.48		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	16.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	5.01		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	42.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	293		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	0.293		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	
Sample ID: OSB-8 Soil (1407101-08) Sampled:07/15/14 08:09 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-8 Soil (1407101-08) Sampled:07/15/14 08:09 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Arsenic	2.90		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	142		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.53		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	44.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	49.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	68.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.82		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	17.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	5.15		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	40.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	276		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	

Sample ID: OSB-9 Soil (1407101-09) Sampled:07/15/14 08:14 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	148		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	2.61		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	30.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	51.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	124		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.69		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	19.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	4.48		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	42.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	555		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	0.108		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	

Sample ID: OSB-10 Soil (1407101-10) Sampled:07/15/14 08:16 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.92		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	154		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.42		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	25.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	42.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	59.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	



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File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-10 Soil (1407101-10) Sampled:07/15/14 08:16 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Molybdenum	1.52		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	15.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	4.46		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	41.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	256		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	

Sample ID: OSB-11 Soil (1407101-11) Sampled:07/15/14 08:23 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.83		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	156		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	30.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	11.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	46.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	96.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.46		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	16.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	4.76		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	42.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	252		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	

Sample ID: OSB-12 Soil (1407101-12) Sampled:07/15/14 08:25 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	4.48		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	153		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.97		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	26.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	51.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	95.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.36		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	24.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	4.36		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	41.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	346		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #: 74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX: (310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-12 Soil (1407101-12) Sampled:07/15/14 08:25 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.114		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-13 Soil (1407101-13) Sampled:07/15/14 08:28 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	4.02		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	164		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	3.31		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	33.8		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	11.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	60.8		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	145		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.60		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	21.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.94		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	43.1		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	483		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.181		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-14 Soil (1407101-14) Sampled:07/15/14 08:30 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	4.30		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	156		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	2.48		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	29.1		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	11.4		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	50.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	96.8		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.65		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	19.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.97		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	42.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	374		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.162		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-15 Soil (1407101-15) Sampled:07/15/14 08:33 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	3.31		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	125		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-15 Soil (1407101-15) Sampled:07/15/14 08:33 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	29.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	10.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	33.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	33.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.89		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	18.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.21		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	38.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	199		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Mercury	0.225		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-16 Soil (1407101-16) Sampled:07/15/14 08:37 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	3.58		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	133		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	1.85		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	24.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	10.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	41.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	73.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.22		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	15.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.22		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	39.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	314		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Mercury	0.156		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-17 Soil (1407101-17) Sampled:07/15/14 08:40 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	2.16		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	114		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	1.11		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	20.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	9.79		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	30.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	49.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	1.13		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	13.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704



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Andersen Environmental Inc.
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 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-17 Soil (1407101-17) Sampled:07/15/14 08:40 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Selenium	3.86		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	39.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	200		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	
Sample ID: OSB-18 Soil (1407101-18) Sampled:07/15/14 08:45 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.41		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	147		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.75		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	29.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	11.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	48.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	85.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	1.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	19.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	4.89		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	45.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	314		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	0.112		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	
Sample ID: OSB-19 Soil (1407101-19) Sampled:07/15/14 08:47 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Arsenic	3.62		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Barium	128		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cadmium	1.85		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Chromium	28.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Cobalt	10.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Copper	106		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Lead	82.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Molybdenum	2.16		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Nickel	20.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Selenium	5.05		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Vanadium	40.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Zinc	763		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41704	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	0.112		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41702	



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-20 Soil (1407101-20) Sampled:07/15/14 08:50 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Arsenic	3.03		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Barium	111		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cadmium	1.36		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Chromium	23.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Cobalt	8.03		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Copper	56.4		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Lead	67.8		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Molybdenum	2.28		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Nickel	17.6		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Selenium	4.42		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Vanadium	31.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Zinc	301		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41704
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.121		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41702
Sample ID: OSB-21 Soil (1407101-21) Sampled:07/15/14 09:00 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.69		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	121		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.28		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	24.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	10.6		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	41.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	58.7		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.52		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	19.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.54		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	41.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	218		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.106		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-22 Soil (1407101-22) Sampled:07/15/14 09:02 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.26		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	149		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.60		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	32.1		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705



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Certificate of Analysis

Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-22 Soil (1407101-22) Sampled:07/15/14 09:02 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Cobalt	11.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Copper	53.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Lead	95.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Molybdenum	1.91		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Nickel	21.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Selenium	3.68		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Vanadium	43.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Zinc	258		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Mercury	0.167		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703	
Sample ID: OSB-23 Soil (1407101-23) Sampled:07/15/14 09:05 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Arsenic	3.40		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Barium	132		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Chromium	23.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Cobalt	10.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Copper	43.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Lead	48.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Molybdenum	1.22		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Nickel	17.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Selenium	4.43		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Vanadium	41.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Zinc	178		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703	
Sample ID: OSB-24 Soil (1407101-24) Sampled:07/15/14 09:07 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Arsenic	2.80		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Barium	141		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Cadmium	1.11		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Chromium	25.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Cobalt	11.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Copper	48.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Lead	89.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Molybdenum	1.52		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Nickel	18.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Selenium	4.18		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705	



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-24 Soil (1407101-24) Sampled:07/15/14 09:07 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Vanadium	43.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	224		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.384		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-25 Soil (1407101-25) Sampled:07/15/14 09:10 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	4.60		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	147		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.26		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	25.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	11.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	71.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	87.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.40		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	18.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	41.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	315		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.320		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-26 Soil (1407101-26) Sampled:07/15/14 09:15 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	2.94		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	135		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.10		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	23.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	9.92		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	52.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	98.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.53		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	17.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.37		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	36.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	266		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.110		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-27 Soil (1407101-27) Sampled:07/15/14 09:17 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705



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Andersen Environmental Inc.
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File #:74354
 Report Date: 07/18/14
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PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-27 Soil (1407101-27) Sampled:07/15/14 09:17 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	3.29		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	137		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	23.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	10.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	45.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	67.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.27		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	16.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.61		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	41.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	237		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.138		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-28 Soil (1407101-28) Sampled:07/15/14 09:20 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		2	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	2.62		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	127		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	ND		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	24.0		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	9.63		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	53.3		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	92.6		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	ND		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	20.8		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	5.34		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	34.5		2	mg/kg	2.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	272		2	mg/kg	10.0	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: OSB-29 Soil (1407101-29) Sampled:07/15/14 09:23 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.29		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	144		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.10		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	24.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	10.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	49.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	80.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: OSB-29 Soil (1407101-29) Sampled:07/15/14 09:23 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Molybdenum	1.40		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	17.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.58		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	41.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	245		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.136		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703

Sample ID: OSB-30 Soil (1407101-30) Sampled:07/15/14 09:25 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.93		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	149		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.29		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	26.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	11.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	52.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	82.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.78		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	20.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.39		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	42.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	351		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Mercury	0.182		1	mg/kg	0.100	EPA 7471A EPA 7471A	07/16/14	07/16/14	cg	BG41703

Sample ID: DUP-1 Soil (1407101-31) Sampled:07/15/14 00:00 Received:07/15/14 11:05										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.69		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	145		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.47		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	23.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	9.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	43.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	58.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	2.03		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	16.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.89		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	34.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	257		1	mg/kg	5.00	EPA 3050B EPA 6010B	07/16/14	07/16/14	CG	BG41705



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Sample ID: DUP-1 Soil (1407101-31) Sampled:07/15/14 00:00 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41703
Sample ID: DUP-2 Soil (1407101-32) Sampled:07/15/14 00:00 Received:07/15/14 11:05											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Arsenic	3.60		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Barium	139		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cadmium	1.77		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Chromium	25.0		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Cobalt	10.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Copper	43.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Lead	74.0		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Molybdenum	1.27		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Nickel	15.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Selenium	4.58		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Vanadium	41.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Zinc	288		1	mg/kg	5.00	EPA 3050B	EPA 6010B	07/16/14	07/16/14	CG	BG41705
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	0.162		1	mg/kg	0.100	EPA 7471A	EPA 7471A	07/16/14	07/16/14	cg	BG41703



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #: 74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX: (310) 854-0199

Project: Jordan Downs / 1004-423

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG41704 - EPA 3050B										
Blank Prepared & Analyzed: 07/16/14										
Antimony	ND	2.50	mg/kg							
Arsenic	ND	1.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							
Nickel	ND	1.00	mg/kg							
Selenium	ND	1.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	1.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 07/16/14										
Antimony	48.1	2.50	mg/kg	49.67		96.8	60-140			
Arsenic	192	1.00	mg/kg	198.8		96.4	80-120			
Barium	215	1.00	mg/kg	199.8		108	80-120			
Beryllium	4.78	1.00	mg/kg	4.990		95.8	80-120			
Cadmium	5.41	1.00	mg/kg	5.010		108	80-120			
Chromium	21.4	1.00	mg/kg	19.96		107	80-120			
Cobalt	54.9	1.00	mg/kg	50.00		110	80-120			
Copper	26.2	1.00	mg/kg	25.13		104	80-120			
Lead	54.3	1.00	mg/kg	50.30		108	80-120			
Molybdenum	50.2	1.00	mg/kg	50.05		100	80-120			
Nickel	55.9	1.00	mg/kg	50.00		112	80-120			
Selenium	189	1.00	mg/kg	200.2		94.5	80-120			
Silver	5.18	1.00	mg/kg	5.000		104	80-120			
Thallium	213	1.00	mg/kg	199.9		107	80-120			
Vanadium	47.0	1.00	mg/kg	49.98		94.1	80-120			
Zinc	55.5	5.00	mg/kg	49.95		111	80-120			
Matrix Spike Source: 1407101-14 Prepared & Analyzed: 07/16/14										
Antimony	45.3	2.50	mg/kg	49.67	0.624	89.9	60-140			
Arsenic	191	1.00	mg/kg	198.8	4.30	93.9	75-125			
Barium	344	1.00	mg/kg	199.8	156	94.2	75-125			
Beryllium	5.07	1.00	mg/kg	4.990	0.469	92.1	75-125			
Cadmium	7.11	1.00	mg/kg	5.010	2.48	92.6	75-125			



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG41704 - EPA 3050B										
Chromium	50.3	1.00	mg/kg	19.96	29.1	106	75-125			
Cobalt	59.1	1.00	mg/kg	50.00	11.4	95.4	75-125			
Copper	74.0	1.00	mg/kg	25.13	50.3	94.2	75-125			
Lead	143	1.00	mg/kg	50.30	96.8	92.6	75-125			
Molybdenum	49.4	1.00	mg/kg	50.05	1.65	95.3	75-125			
Nickel	67.4	1.00	mg/kg	50.00	19.3	96.2	75-125			
Selenium	191	1.00	mg/kg	200.2	4.97	92.8	75-125			
Silver	5.02	1.00	mg/kg	5.000	0.116	98.1	75-125			
Thallium	180	1.00	mg/kg	199.9	ND	90.0	75-125			
Vanadium	89.4	1.00	mg/kg	49.98	42.9	93.2	75-125			
Zinc	418	5.00	mg/kg	49.95	374	88.1	75-125			
Matrix Spike Dup Source: 1407101-14 Prepared & Analyzed: 07/16/14										
Antimony	46.9	2.50	mg/kg	49.67	0.624	93.1	60-140	3.49	30	
Arsenic	194	1.00	mg/kg	198.8	4.30	95.6	75-125	1.84	30	
Barium	350	1.00	mg/kg	199.8	156	96.9	75-125	2.86	30	
Beryllium	5.10	1.00	mg/kg	4.990	0.469	92.8	75-125	0.715	30	
Cadmium	7.35	1.00	mg/kg	5.010	2.48	97.2	75-125	4.92	30	
Chromium	48.5	1.00	mg/kg	19.96	29.1	97.3	75-125	8.70	30	
Cobalt	60.5	1.00	mg/kg	50.00	11.4	98.1	75-125	2.72	30	
Copper	75.3	1.00	mg/kg	25.13	50.3	99.3	75-125	5.23	30	
Lead	154	1.00	mg/kg	50.30	96.8	113	75-125	19.7	30	
Molybdenum	50.4	1.00	mg/kg	50.05	1.65	97.4	75-125	2.12	30	
Nickel	70.9	1.00	mg/kg	50.00	19.3	103	75-125	7.08	30	
Selenium	194	1.00	mg/kg	200.2	4.97	94.2	75-125	1.47	30	
Silver	5.03	1.00	mg/kg	5.000	0.116	98.3	75-125	0.153	30	
Thallium	185	1.00	mg/kg	199.9	ND	92.5	75-125	2.72	30	
Vanadium	90.4	1.00	mg/kg	49.98	42.9	95.1	75-125	2.07	30	
Zinc	436	5.00	mg/kg	49.95	374	125	75-125	34.9	30	V-2
Batch BG41705 - EPA 3050B										
Blank Prepared & Analyzed: 07/16/14										
Antimony	ND	2.50	mg/kg							
Arsenic	ND	1.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							



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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG41705 - EPA 3050B										
Nickel	ND	1.00	mg/kg							
Selenium	ND	1.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	1.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 07/16/14										
Antimony	48.2	2.50	mg/kg	49.67		97.1	60-140			
Arsenic	189	1.00	mg/kg	198.8		95.0	80-120			
Barium	214	1.00	mg/kg	199.8		107	80-120			
Beryllium	4.75	1.00	mg/kg	4.990		95.3	80-120			
Cadmium	5.30	1.00	mg/kg	5.010		106	80-120			
Chromium	21.1	1.00	mg/kg	19.96		106	80-120			
Cobalt	54.2	1.00	mg/kg	50.00		108	80-120			
Copper	26.3	1.00	mg/kg	25.13		105	80-120			
Lead	53.6	1.00	mg/kg	50.30		107	80-120			
Molybdenum	50.5	1.00	mg/kg	50.05		101	80-120			
Nickel	55.2	1.00	mg/kg	50.00		110	80-120			
Selenium	185	1.00	mg/kg	200.2		92.2	80-120			
Silver	5.17	1.00	mg/kg	5.000		103	80-120			
Thallium	212	1.00	mg/kg	199.9		106	80-120			
Vanadium	47.4	1.00	mg/kg	49.98		94.8	80-120			
Zinc	54.3	5.00	mg/kg	49.95		109	80-120			
Matrix Spike Source: 1407101-26 Prepared & Analyzed: 07/16/14										
Antimony	45.4	2.50	mg/kg	49.67	1.60	88.2	60-140			
Arsenic	191	1.00	mg/kg	198.8	2.94	94.6	75-125			
Barium	344	1.00	mg/kg	199.8	135	105	75-125			
Beryllium	4.97	1.00	mg/kg	4.990	0.394	91.7	75-125			
Cadmium	6.03	1.00	mg/kg	5.010	1.10	98.4	75-125			
Chromium	45.2	1.00	mg/kg	19.96	23.8	107	75-125			
Cobalt	59.2	1.00	mg/kg	50.00	9.92	98.6	75-125			
Copper	83.1	1.00	mg/kg	25.13	52.5	122	75-125			
Lead	163	1.00	mg/kg	50.30	98.2	129	75-125			
Molybdenum	49.5	1.00	mg/kg	50.05	1.53	95.9	75-125			V-2
Nickel	67.9	1.00	mg/kg	50.00	17.9	99.9	75-125			
Selenium	194	1.00	mg/kg	200.2	4.37	94.5	75-125			
Silver	4.96	1.00	mg/kg	5.000	ND	99.2	75-125			
Thallium	185	1.00	mg/kg	199.9	ND	92.6	75-125			
Vanadium	86.8	1.00	mg/kg	49.98	36.2	101	75-125			
Zinc	336	5.00	mg/kg	49.95	266	141	75-125			V-2



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

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Andersen Environmental Inc.
 5261 West Imperial Highway
 Los Angeles, CA 90045

File #:74354
 Report Date: 07/18/14
 Submitted: 07/15/14
PLS Report No.: 1407101

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

Project: Jordan Downs / 1004-423

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BG41705 - EPA 3050B										
Matrix Spike Dup Source: 1407101-26 Prepared & Analyzed: 07/16/14										
Antimony	45.2	2.50	mg/kg	49.67	1.60	87.8	60-140	0.457	30	
Arsenic	191	1.00	mg/kg	198.8	2.94	94.8	75-125	0.139	30	
Barium	334	1.00	mg/kg	199.8	135	99.9	75-125	4.66	30	
Beryllium	4.97	1.00	mg/kg	4.990	0.394	91.7	75-125	0.00268	30	
Cadmium	5.98	1.00	mg/kg	5.010	1.10	97.3	75-125	1.07	30	
Chromium	43.0	1.00	mg/kg	19.96	23.8	96.0	75-125	10.7	30	
Cobalt	58.9	1.00	mg/kg	50.00	9.92	97.9	75-125	0.703	30	
Copper	79.4	1.00	mg/kg	25.13	52.5	107	75-125	12.9	30	
Lead	151	1.00	mg/kg	50.30	98.2	106	75-125	19.9	30	
Molybdenum	49.4	1.00	mg/kg	50.05	1.53	95.6	75-125	0.281	30	
Nickel	67.2	1.00	mg/kg	50.00	17.9	98.5	75-125	1.43	30	
Selenium	193	1.00	mg/kg	200.2	4.37	94.3	75-125	0.205	30	
Silver	5.00	1.00	mg/kg	5.000	ND	100	75-125	0.857	30	
Thallium	184	1.00	mg/kg	199.9	ND	92.1	75-125	0.617	30	
Vanadium	83.4	1.00	mg/kg	49.98	36.2	94.4	75-125	6.99	30	
Zinc	322	5.00	mg/kg	49.95	266	113	75-125	21.8	30	
Batch BG41702 - EPA 7471A										
Blank Prepared & Analyzed: 07/16/14										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 07/16/14										
Mercury	0.865	0.100	mg/kg	0.8308		104	80-120			
Matrix Spike Source: 1407101-14 Prepared & Analyzed: 07/16/14										
Mercury	1.08	0.100	mg/kg	0.8308	0.162	110	75-125			
Matrix Spike Dup Source: 1407101-14 Prepared & Analyzed: 07/16/14										
Mercury	1.01	0.100	mg/kg	0.8308	0.162	102	75-125	7.93	25	
Batch BG41703 - EPA 7471A										
Blank Prepared & Analyzed: 07/16/14										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 07/16/14										
Mercury	0.850	0.100	mg/kg	0.8308		102	80-120			
Matrix Spike Source: 1407101-26 Prepared & Analyzed: 07/16/14										
Mercury	1.04	0.100	mg/kg	0.8308	0.110	112	75-125			
Matrix Spike Dup Source: 1407101-26 Prepared & Analyzed: 07/16/14										
Mercury	1.07	0.100	mg/kg	0.8308	0.110	116	75-125	3.17	25	



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Certificate of Analysis

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Andersen Environmental Inc.
5261 West Imperial Highway
Los Angeles, CA 90045

Attn: Mr. Brian Martasin, PG Phone: (310) 854-6300 FAX:(310) 854-0199

File #:74354
Report Date: 07/18/14
Submitted: 07/15/14
PLS Report No.: 1407101

Project: Jordan Downs / 1004-423

Notes and Definitions

V-2 Out-of-Range recovery was due to sample Heterogeneity.
NA Not Applicable
ND Analyte NOT DETECTED at or above the detection limit
NR Not Reported
MDL Method Detection Limit
PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

A handwritten signature in black ink, appearing to read 'Siddha N. Ghosh', is written over a horizontal line.

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 7-15-14 PAGE 1 OF 4
 LOG BOOK NO. FILE NO. LAB NO. 1407 101

CLIENT NAME: Anderson Environmental Project Name/No. Jordan Downs
 ADDRESS: 5401 W. Imperial Hwy L.A.
 PROJECT MANAGER: Brian M. Howell PHONE NO. 310 854-6300 FAX NO.:
 SAMPLER NAME: Lowell Steffs (Printed) Lowell Steffs (Signature)

TAT (Analytical Turn Around Time) 0 = Same Day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX			TAT	CONTAINER #	TYPE	ANALYSES REQUESTED:	REMARKS:	PRESERVED:	AIRBILL NO.:	COOLER TEMP: <u>2.7</u>	SAMPLE CONDITION/CONTAINER /COMMENTS:
				WATER	SOIL	SLUDGE									
1	7-15-14	7:50	OSB-1		X			N	1	G	X				
2		7:54	OSB-2		X						X				
3		7:57	OSB-3		X						X				
4		8:00	OSB-4		X						X				
5		8:03	OSB-5		X						X				
6		8:05	OSB-6		X						X				
7		8:07	OSB-7		X						X				
8		8:09	OSB-8		X						X				
9		8:14	OSB-9		X						X				
10		8:16	OSB-10		X						X				

Received By: (Signature and Printed Name) Lowell Steffs Date: 7/15/14 Time: 11:05
 Relinquished By: (Signature and Printed Name) Lowell Steffs Date: 7/15/14 Time: 11:35
 Received By: (Signature and Printed Name) Lowell Steffs Date: _____ Time: _____
 Relinquished By: (Signature and Printed Name) _____ Date: _____ Time: _____

SAMPLE DISPOSITION:
 1. Samples returned to client? YES NO
 2. Samples will not be stored over 30 days, unless additional storage time is requested.
 3. Storage time requested: _____ days
 By _____ Date _____

CHAIN OF CUSTODY AND ANALYSIS REQUEST



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 7-15-14 PAGE 2 OF 4
LOG BOOK NO. _____ FILE NO. 1407101 LAB NO. _____

CLIENT NAME: Anderson Environmental Project Name/No. Jordan Downs AIRBILL NO. _____
ADDRESS: 5261 W. Imperial Hwy. - L.A. PHONE NO. (310) 854-6300 COOLER TEMP: 2.7°C

PROJECT MANAGER: Braw M. FAX NO. _____ PRESERVED: _____
SAMPLER NAME: Lowell Steltz (Printed) [Signature] (Signature) REMARKS: Homogenize sample prior to testing

TAT (Analytical Turn Around Time) 0 = Same day, 1 = 24 Hour, 2 = 48 Hour, (Etc.) N = NORMAL
CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____
ANALYSES REQUESTED: (1010/7471) (Metals)

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX			TAT	CONTAINER #	TYPE	SAMPLE CONDITION/CONTAINER COMMENTS:
				WATER	SOIL	SLUDGE OTHER				
11	7-15-14	8:23	OSB-11		X		N	1	B	X
12		8:25	OSB-12		X			1		X
13		8:28	OSB-13		X			1		X
14		8:30	OSB-14		X			1		X
15		8:33	OSB-15		X			1		X
16		8:37	OSB-16		X			1		X
17		8:40	OSB-17		X			1		X
18		8:45	OSB-18		X			1		X
19		8:47	OSB-19		X			1		X
20		8:50	OSB-20		X			1	V	X

Received By: (Signature and Printed Name) [Signature] Date: 7/15/14 Time: 11:03
 Received By: (Signature and Printed Name) [Signature] Date: 7/15/14 Time: 11:35
 Relinquished By: (Signature and Printed Name) [Signature] Date: _____ Time: _____
 Relinquished By: (Signature and Printed Name) [Signature] Date: _____ Time: _____

SAMPLE DISPOSITION:
 1. Samples returned to client? YES NO
 2. Samples will not be stored over 30 days, unless additional storage time is requested.
 3. Storage time requested: _____ days

By _____ Date _____



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 7-15-14 PAGE 3 OF 4
 LOG BOOK NO. FILE NO. LAB NO. 1401101

CLIENT NAME: Andersen Environmental Project Name/No. Jordan Downs AIRBILL NO.: _____
 ADDRESS: 5661 W. Imperial Hwy, L.A. PHONE NO. (310) 854-6300 FAX NO.: _____
 PROJECT MANAGER: Brian M. (Printed) (Signature) _____
 SAMPLER NAME: _____

TAT (Analytical Turn Around Time) 0 = Same day, 1 = 24 Hour, 2 = 48 Hour, (Etc.) N = NORMAL
 CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:
 UST Project: Y N - Global ID# _____

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX			TAT	CONTAINER		ANALYSES REQUESTED:	REMARKS:	SAMPLE CONDITION/CONTAINER COMMENTS:
				WATER	SOIL	SLUDGE		OTHER	#			
21	7-15-14	9:00	OSB-21	X				N	1	G	X	
22		9:02	OSB-22	X							X	
23		9:05	OSB-23	X							X	
24		9:07	OSB-24	X							X	
25		9:10	OSB-25	X							X	
26		9:15	OSB-26	X							X	
27		9:17	OSB-27	X							X	
28		9:20	OSB-28	X							X	
29		9:23	OSB-29	X							X	
30		9:25	OSB-30	X							X	

Requested By: [Signature] (Signature and Printed Name) Date: 7/15/14 Time: 11:05
 Relinquished By: [Signature] (Signature and Printed Name) Date: 7/15/14 Time: 11:35
 Received By: [Signature] (Signature and Printed Name) Date: 7/15/14 Time: 11:05
 Relinquished By: [Signature] (Signature and Printed Name) Date: 7/15/14 Time: 11:35

SAMPLE DISPOSITION:
 1. Samples returned to client? YES NO
 2. Samples will not be stored over 30 days, unless additional storage time is requested.
 3. Storage time requested: _____ days
 By _____ Date _____



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 7-15-14 PAGE 2 OF 2
 LOG BOOK NO. FILE NO. 1407101 LAB NO.

CLIENT NAME: Anderson Carion Metals Project Name/No. Jordan Downs

ADDRESS: 5661 W. Imperial Hwy L-A

PROJECT MANAGER: Brian M PHONE NO: (310) 854-6300 FAX NO:

SAMPLER NAME: (Printed) (Signature)

TAT (Analytical Turn Around Time) 0 = Same day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID#

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX			TAT	CONTAINER #	TYPE
				WATER	SOIL	SLUDGE OTHER			
31	7-15-14		DUP-1		X		N	1	G
32	↓		DUP-2		X		↓	1	G
3									
4									
5									
6									
7									
8									
9									
10									

ANALYSES REQUESTED: (6816/7471) (Metals)

AIRBILL NO. COOLER TEMP. PRESERVED: REMARKS: Homogenize Sample prior to Testing.

SAMPLE CONDITION/CONTAINER /COMMENTS:

SAMPLE DISPOSITION:
 1. Samples returned to client? YES NO
 2. Samples will not be stored over 30 days, unless additional storage time is requested.
 3. Storage time requested: _____ days

Received By: (Signature and Printed Name) Date: 7/15/14 Time: 11:05
 Received By: (Signature and Printed Name) Date: 7/15/14 Time: 11:35
 Received By: (Signature and Printed Name)

SPECIAL INSTRUCTIONS: