

**REPORT
SUBSURFACE INVESTIGATION
BEEBE SPRINGS NATURAL AREA
CHELAN, WASHINGTON**

For

**J.A. BRENNAN ASSOCIATES, PLLC
URS JOB NO.: 33759297
March 12, 2007**



March 12, 2007

Mr. Jim Brennan
J.A. Brennan Associates, PLLC
Landscape Architects & Planners
100 S. King Street, Suite 200
Seattle, Washington 98104

Report
Subsurface Investigation
Beebe Springs Natural Area
Chelan, Washington
URS Job No.: 33759297

Dear Mr. Brennan:

This report presents the scope and results for a pre-construction, subsurface investigation of soils in the area of the planned Phase 2 of the Beebe Springs Natural Area in Chelan, Washington. It is our understanding that the soil sample analytical results obtained during this investigation will be used to evaluate soil disposal options and assess potential worker exposure during the planned Phase 2 construction.

Please contact us if you have any questions or require additional information.

Very truly yours,

URS Corporation

A handwritten signature in black ink that reads "Jennifer B. Hanna for Deborah Wilson". The signature is written in a cursive style.

Deborah Wilson
Environmental Scientist

A handwritten signature in black ink that reads "Mark P. Molinari". The signature is written in a cursive style.

Mark P. Molinari
Principal Geologist, L.G. #351

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**SUBSURFACE INVESTIGATION REPORT
BEEBE SPRINGS NATURAL AREA
CHELAN, WASHINGTON**

1.0 INTRODUCTION

This report presents the field observations and results of laboratory analyses from a subsurface investigation to assess the presence or absence of organochlorine pesticides, arsenic, and lead in soils in the Phase 2 Area of the Beebe Springs Natural Area restoration in Chelan, Washington. Data from this investigation will be used to guide health and safety and soil disposal requirements associated with the Phase 2 implementation. The Beebe Springs Natural Area is located between Highway 97 and the Columbia River (Lake Entiat) and north of the Beebe Bridge (see Figure 1). The City of Chelan is approximately 2.5 miles to the northwest.

2.0 PURPOSE AND SCOPE

The purpose of this investigation was to assess the presence or absence of organochlorine pesticides, arsenic, and lead as a preliminary assessment of residual concentrations in the soil associated with the historic use of the site as an orchard. The results of this investigation will be used by J.A. Brennan Associates, PLLC (Brennan) to evaluate options for the management of soil removed during construction and assess the potential for worker exposure during construction.

The scope of work performed included:

- Completed six hand auger borings to a depth of 4 feet below ground surface (bgs), or refusal, whichever was encountered first at the locations within the Phase 2 project area shown on Figure 2.
- Collected soil samples from each boring at 1 foot intervals.
- Submitted all the collected samples to the Washington Department of Ecology accredited laboratory, TestAmerica Analytical Testing (TestAmerica), in Bothell, Washington.
- Analyzed the 0-1' and 1-2' samples from each boring for the constituents specified above and archived the other samples at the laboratory pending the results of the initial samples.
- Prepared this technical report documenting the analytical results and findings.

3.0 METHODS AND PROCEDURES

On February 27, 2007, URS scientists, Bill Kidder and Deborah Wilson, completed six borings at previously determined locations to 4 feet below ground surface (bgs), or refusal, using a stainless steel hand auger and a shovel. The boring locations were selected based on the planned areas of excavation for stormwater bio-swales and an off-channel habitat along the Columbia River shore during Phase 2 construction. The planned boring locations were located in the field using GPS coordinates (see Figure 2). Soils encountered were logged in the field and all equipment was decontaminated before use on the site and in between each sample location. The weather at the site was overcast with approximately 3 inches of snow on the ground.

Soil samples were collected at depth intervals of 0-1', 1-2', 2-3', and 3-4' bgs and placed in clean 8 oz glass jars provided by the laboratory. The samples were stored in a chilled cooler before being submitted under chain of custody to TestAmerica's Bothell laboratory. After sampling was completed, the remaining soil was placed back in the sample holes in the depth order it was retrieved.

4.0 FIELD OBSERVATIONS AND SAMPLE ANALYSIS RESULTS

This section presents the field observations and sample results associated with borings B1 through B6 shown on Figure 2. Analytical results for constituents detected in the individual samples are summarized in Table 1. The laboratory analytical report and data validation memorandum are provided in Appendix A.

4.1 FIELD OBSERVATIONS

Soils encountered at borings B1, B2, and B3 consisted principally of sandy loam with a high percentage of cobbles from 3-5 inches in diameter and coarse gravel up to 1 inch. Due to the quantity of coarse material, refusal was encountered at 1 foot bgs at B3 and 2 feet bgs at borings B1 and B2. Due to the shallow refusal encountered at boring B3, additional 0-1 foot and 1-2 feet bgs samples were collected at a seventh boring (B7) located inland of boring B3 and held for analysis. Soil encountered at borings B4, B5, and B6 consisted principally of fine sandy loam and fine sandy clay loam from 0-4 feet.

Perched water or groundwater was not encountered in any of the soil borings. No significant soil staining or odor was observed. Visible organic material in the soil consisted of roots, which were consistent with above ground vegetation.

4.2 SAMPLE ANALYSIS RESULTS

Sample analytical results are compared to the applicable Washington Model Toxics Control Act (MTCA) (WAC 173-340) Method A or B soil cleanup levels and U.S. Army Corps of Engineers Dredged Material Management Program (DMMP) Guideline Chemistry Values.

The only organochlorine pesticides detected in the samples were 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT. None of the detected concentrations in any of the samples exceed the applicable MTCA Method A or B soil cleanup levels. The concentrations of 4,4'-DDD were only detected above the reporting limit in the 0-1 foot samples from borings B2, B4, and B5 and ranged from 5.28 µg/kg to 48.5 µg/kg. Analyte 4,4'-DDE was detected in all the samples at concentrations ranging from 7.10 µg/kg to 774 µg/kg. Analyte 4,4'-DDT was detected above the reporting limit in one or both samples from borings B2, B4, B5, and B6. The detected concentrations range from 10.8 µg/kg to 2,140 µg/kg. With the exception of 4,4'-DDE in boring B1, the concentrations all decrease with depth.

The DMMP values consist of a screening level (SL), bioaccumulation trigger (BT), and maximum level (ML) for arsenic, lead and total DDT (sum concentrations of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT). None of the arsenic or lead concentrations detected exceeds any of the DMPP values for these constituents. The total DDT concentrations in all of the samples are greater than the BT (50 µg/kg) and ML (69 µg/kg) except for the two samples from boring B1 and the 1-2' sample from boring B4. The total DDT concentrations in all of the samples are greater than the SL of 6.9 µg/kg.

Arsenic was detected above the applicable MTCA Method A soil cleanup level of 20 mg/kg in one or both samples from borings B4, B5, and B6. The elevated concentrations range from 33.6 mg/kg to 42.1 mg/kg and decrease with depth in each boring. The only detected lead concentration (275 mg/kg) that exceeds the MTCA Method A soil cleanup level for unrestricted land use (250 mg/kg) was the 0-1 foot sample from boring B6. None of the arsenic and lead concentrations detected exceeds the DMMP values.

5.0 CONCLUSIONS

Organochlorine pesticides were not detected above the applicable MTCA soil cleanup levels in any of the soil samples, but exceeded at least one or up to all three of the DMPP values in all of the samples. Arsenic and lead were both detected above the applicable MTCA cleanup levels in one or more samples in three borings (B4, B5, B6), but none of these concentrations detected exceeds the DMMP values. The highest concentrations of analytes were generally detected in the 0-1 foot sample in these borings. This investigation was not intended to fully assess the lateral or vertical extent of organochlorine pesticides, arsenic, or lead in soil. However, based on the results of this investigation and the prior investigation performed by Eco Compliance Corporation (2006) for the Phase 1 construction by The Watershed Company, the sample analytical results are expected to be representative of the soils to be excavated for the planned Phase 2 bio-swales and off-channel.

The MTCA cleanup levels are applicable to upland soils, whereas the DMMP values apply to sediments that will be dredged and disposed in water. While in-water disposal of soil/sediment materials is not planned for the project, the state and federal agencies that comprise the DMMP in Washington (2006) previously expressed concern regarding the potential for soils containing DDT and arsenic to be reused within the Phase 1 stream channel and other drainage courses, or be subsequently eroded from the sideslopes and deposited into the channels. Therefore the soils

containing elevated concentrations of arsenic and DDT were placed as fill on the upland portion of the site at least 50 feet from the crest of the channel slopes.

For the Phase 1 project, excavated soils that contained contaminant constituents above the DMMP values were considered “unsuitable soils” that had to be used as fill in an upland area on site and capped with a minimum of one foot of topsoil. Based on the analytical results presented herein for the Phase 2 area, a minimum of the upper 2-3 feet of soils to be excavated for construction of the Phase 2 bio-swales and off-channel area should be placed on the upland portion of the site, at least 50 feet from the crest of a cut slope for the planned bio-swales or off-channel area and any other planned or existing water bodies or drainage channels. It is also recommended that these soils be covered with a minimum of 1 foot of clean top soil or a planned gravel or impervious surface (e.g. asphalt parking lot or structure foundation) to prevent future erosion and mobilization of these materials.

6.0 REFERENCES

Dredged Material Management Program (DMMP) Office, 2006. Beebe Creek Habitat Project Letter of Concern, July 25, 2006.

Eco Compliance Company, 2006. Soil Sampling Results, Beebe Springs Creek, Chelan, Washington, June 29, 2006.

URS Corporation, 2007. Revised Soil Sampling and Analysis Scope Memo, February 21, 2007.

Washington State Department of Ecology, 2001. Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC, Publication 94-06, Amended February 12, 2001.

Table 1
Analytical Results for Organochlorine Pesticides and Metals in Soil
Beebe Springs - Phase 2
February 2007

Location ID	Sample Depth (feet bgs)	Date Collected	Organochlorine Pesticides (ug/kg)				Metals (mg/kg)	
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Total DDT*	Arsenic	Lead
B1	0-1	02/27/2007	2.46 U	7.10	2.46 U	7.1	4.19	16.6
	1-2	02/27/2007	2.34 U	26.2	2.34 U	26.2	13.2	13.2
B2	0-1	02/27/2007	8.43	616	16.1	641	12.4	49.3
	1-2	02/27/2007	2.28 U	72.4	2.28 U	72.4	15.7	7.30
B3	0-1	02/27/2007	24.9 U	74.1	24.9 U	74.1	18.3	51.0
B4	0-1	02/27/2007	5.28 J	397	259	656	34.9	107
	1-2	02/27/2007	2.30 U	13.1	10.8	23.9	6.29	9.70
B5	0-1	02/27/2007	48.5 J	767	2,140	2,907	38.8	185
	1-2	02/27/2007	2.29 U	35.2	56.9	92.1	33.6	10.6
B6	0-1	02/27/2007	2.29 U	774	1,230	2,004	42.1	275
	1-2	02/27/2007	2.28 U	52.0	45.4	97.4	41.2	30.4
MTCA Method A or B Soil Cleanup Level			4,170 (B)	2,940 (B)	3,000 (R) / 4,000 (I) (A)	NE	20 (A)	250 (R) / 1,000 (I) (A)
DMMP Guideline Chemistry Values		Screening Level:	NE	NE	NE	6.9	57	450
		Bioaccumulation Trigger:	NE	NE	NE	50	507.1	975
		Maximum Level:	NE	NE	NE	69	700	1,200

Notes:

bgs - below ground surface

DMMP - Dredged Material Management Plan

J - Estimated value

MTCA - Model Toxics Control Act

(A) - MTCA Method A soil cleanup level

(B) - MTCA Method B soil cleanup level

(I) - MTCA Method A soil cleanup level for industrial properties

(R) - MTCA Method A soil cleanup level for residential land use

NE - Not established

U - Parameter was analyzed for but not detected above the reporting limit shown

*Total DDT is the sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT

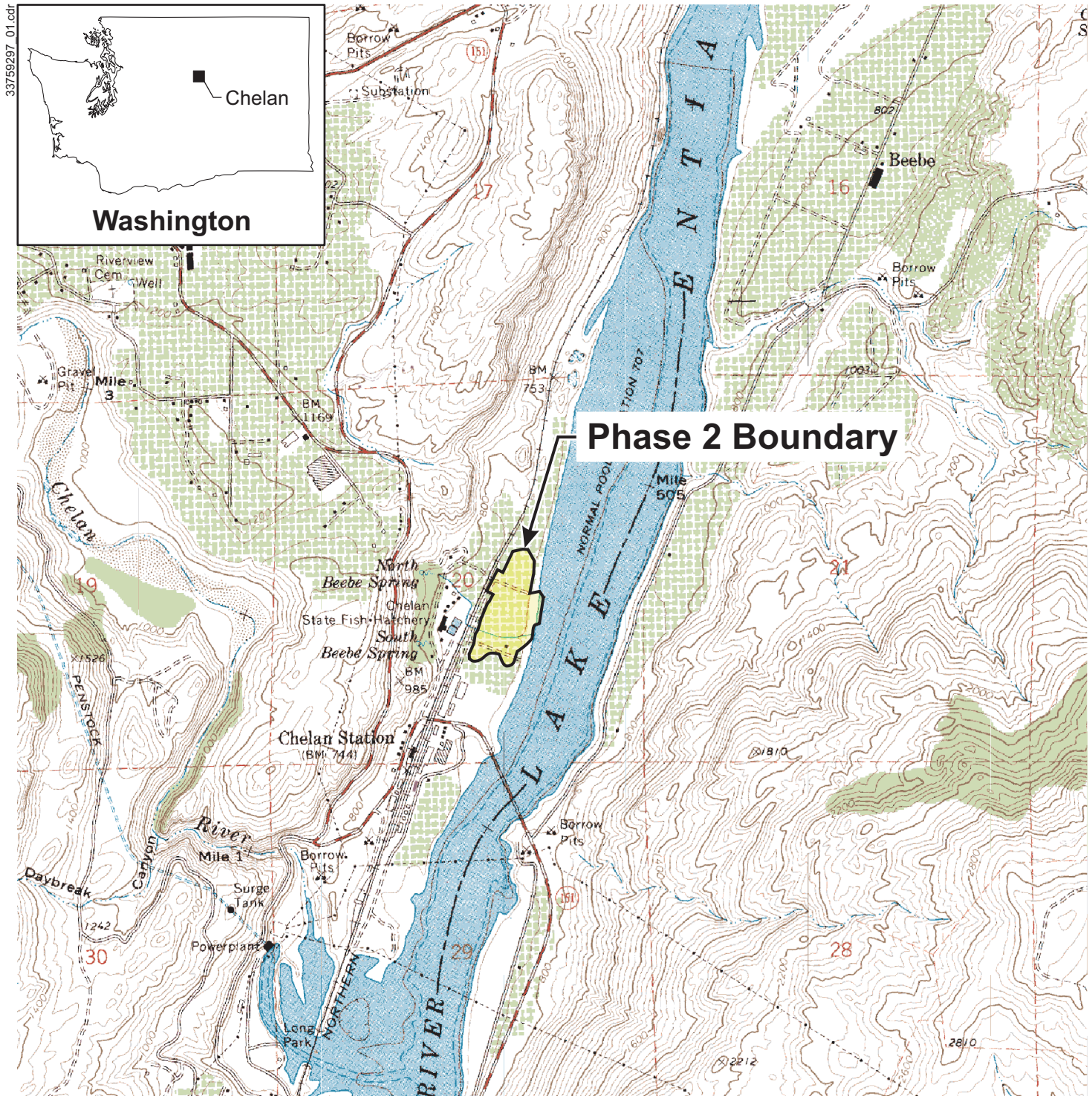
Numbers in **bold** font indicate that the reported result exceeds the applicable MTCA cleanup level

Numbers shaded in **red** indicate that the reported result exceeds all of the DMMP values.

Numbers shaded in **yellow** indicate that the reported result exceeds the DMMP screening level, but is less than the bioaccumulation trigger and maximum level.

MTCA Method values downloaded from Ecology website CLARC tables in March 2007 (<https://fortress.wa.gov/ecy/clarc/reporting/CLARCReporting.aspx>).

DMMP values taken from United State Army Corps of Engineers website: *Current DMMP Chemicals of Concern* (http://www.nws.usace.army.mil/PublicMenu/documents/DMMO/COCs_2006.pdf), updated August 2006.



SOURCE: 7.5-minute USGS topographic quadrangle, Chelan Falls, Washington, 1981



Scale in Miles

Job No. 33759297

Figure 1
Site Vicinity

URS

Subsurface Investigation
Beebe Springs Natural Area – Phase 2
Chelan County, Washington

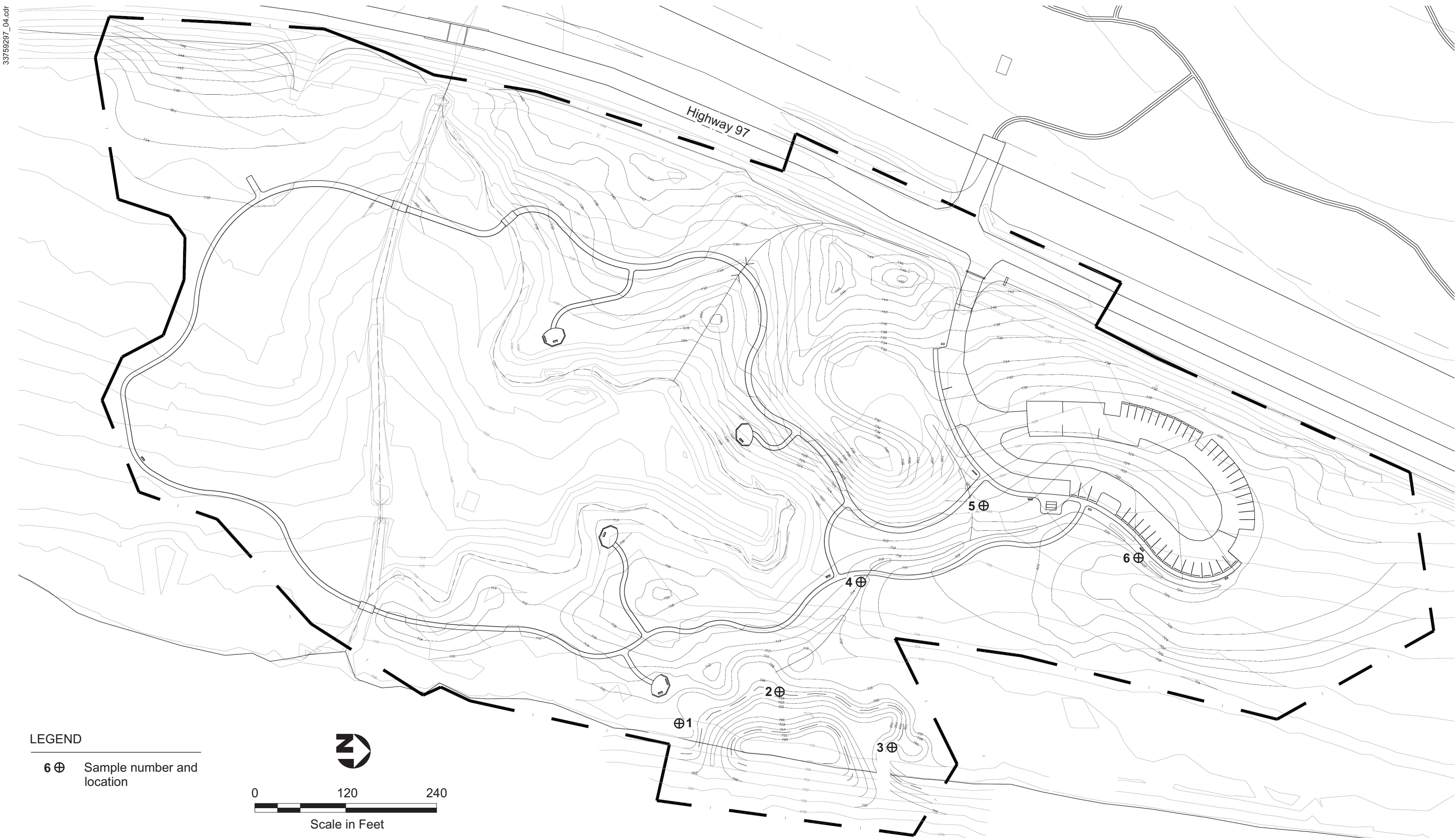


Figure 2
Sample Locations

APPENDIX A

Laboratory Report and Data Validation Memorandum



Memo

Century Square
1501 4th Avenue, Suite 1400
Seattle, Washington 98101
206.438.2700 Telephone
206.438.2699 Fax

To: Carla Talich, Project Manager **Info:** **FINAL**

From: Jennifer B. Garner, Project Chemist **Date:** March 9, 2007

RE: **Summary Data Quality Review**
Beebe Springs Soil Sampling
February 2007

The summary data quality review of 19 soil samples collected on February 27, 2007 has been completed. The samples were analyzed at the Test America, Incorporated (TA) laboratory in Bothell, Washington for organochlorine pesticides (4,4'-DDD, 4,4-DDE, and 4,4'-DDT) by EPA Method 8081A and total metals (arsenic and lead) by EPA Method 6020. The analyses were performed in accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846), Update IIIB*, June 2005. The laboratory provided a summary report containing sample results and associated QA/QC data. The following samples are associated with TA sample delivery group (SDG) BQC0006:

Sample ID	Laboratory ID	Additional Notes
B6-0-1	BQC0006-01	
B6-1-2	BQC0006-02	
B6-2-3	BQC0006-03	On Hold
B6-3-4	BQC0006-04	On Hold
B5-0-1	BQC0006-05	
B5-1-2	BQC0006-06	
B5-2-3	BQC0006-07	On Hold
B5-3-4	BQC0006-08	On Hold
B4-0-1	BQC0006-09	
B4-1-2	BQC0006-10	
B4-2-3	BQC0006-11	On Hold
B4-3-4	BQC0006-12	On Hold
B3-0-1	BQC0006-13	
B2-0-1	BQC0006-14	
B2-1-2	BQC0006-15	
B1-0-1	BQC0006-16	
B1-1-2	BQC0006-17	
B7-0-1	BQC0006-18	On Hold
B7-1-2	BQC0006-19	On Hold

Sample holding times, method blanks, laboratory control samples, laboratory duplicate results, matrix spike results, and reporting limits were reviewed to assess compliance with the applicable methods and laboratory quality control criteria. If data qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA documents *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, October 1999 and *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganic Data Review*, October 2004. A summary of qualifiers assigned to results in this SDG is included in Table 1.

Results for data included in this sample group are usable without qualification except as noted below:

- The relative percent difference (RPD) between the primary and confirmation analytical columns for 4,4'-DDD in samples B5-0-1 and B4-0-1 was more than 40%. The results for 4,4'-DDD in samples B5-0-1 and B4-0-1 are qualified as estimated and flagged with a 'J' based on the elevated RPD between columns.

Table 1 – Qualified Data

Sample ID	Laboratory ID	Analyte	Result	Units	Qualifier
B5-0-1	BQC0006-05	4,4'-DDD	48.5	ug/kg	J
B4-0-1	BQC0006-09	4,4'-DDD	5.28	ug/kg	J

March 09, 2007

Deborah Wilson
URS Corporation
1501 4th Ave, Suite 1400
Seattle, WA/USA 98101-1616

RE: Beebe Springs

Enclosed are the results of analyses for samples received by the laboratory on 02/28/07 15:15.
The following list is a summary of the Work Orders contained in this report, generated on 03/07/07
18:22.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0006	Beebe Springs	33759297.01000

TestAmerica - Seattle, WA



Kortland Orr, PM

*The results in this report apply to the samples analyzed in accordance with the chain
of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B6-0-1	BQC0006-01	Soil	02/27/07 10:00	02/28/07 15:15
B6-1-2	BQC0006-02	Soil	02/27/07 10:05	02/28/07 15:15
B5-0-1	BQC0006-05	Soil	02/27/07 11:15	02/28/07 15:15
B5-1-2	BQC0006-06	Soil	02/27/07 11:20	02/28/07 15:15
B4-0-1	BQC0006-09	Soil	02/27/07 12:11	02/28/07 15:15
B4-1-2	BQC0006-10	Soil	02/27/07 12:23	02/28/07 15:15
B3-0-1	BQC0006-13	Soil	02/27/07 14:47	02/28/07 15:15
B2-0-1	BQC0006-14	Soil	02/27/07 15:25	02/28/07 15:15
B2-1-2	BQC0006-15	Soil	02/27/07 17:00	02/28/07 15:15
B1-0-1	BQC0006-16	Soil	02/27/07 16:00	02/28/07 15:15
B1-1-2	BQC0006-17	Soil	02/27/07 16:27	02/28/07 15:15

TestAmerica - Seattle, WA



Kortland Orr, PM

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**

Project Number: 33759297.01000

Project Manager: Deborah Wilson

Report Created:

03/07/07 18:22

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-01 (B6-0-1)		Soil					Sampled: 02/27/07 10:00			
Arsenic	EPA 6020	42.1	----	0.577	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 11:56	
BQC0006-01RE1 (B6-0-1)		Soil					Sampled: 02/27/07 10:00			
Lead	EPA 6020	275	----	1.15	mg/kg dry	2x	7C01042	03/01/07 16:35	03/02/07 12:25	
BQC0006-02 (B6-1-2)		Soil					Sampled: 02/27/07 10:05			
Arsenic	EPA 6020	41.2	----	0.584	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 12:02	
Lead	"	30.4	----	0.584	"	"	"	"	"	
BQC0006-05 (B5-0-1)		Soil					Sampled: 02/27/07 11:15			
Arsenic	EPA 6020	38.8	----	0.574	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 12:07	
Lead	"	185	----	0.574	"	"	"	"	"	
BQC0006-06 (B5-1-2)		Soil					Sampled: 02/27/07 11:20			
Arsenic	EPA 6020	33.6	----	0.557	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 12:13	
Lead	"	10.6	----	0.557	"	"	"	"	"	
BQC0006-09 (B4-0-1)		Soil					Sampled: 02/27/07 12:11			
Arsenic	EPA 6020	34.9	----	0.538	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 12:19	
Lead	"	107	----	0.538	"	"	"	"	"	
BQC0006-10 (B4-1-2)		Soil					Sampled: 02/27/07 12:23			
Arsenic	EPA 6020	6.29	----	0.578	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 12:43	
Lead	"	9.70	----	0.578	"	"	"	"	"	
BQC0006-13 (B3-0-1)		Soil					Sampled: 02/27/07 14:47			
Arsenic	EPA 6020	18.3	----	0.597	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 10:57	
Lead	"	51.0	----	0.597	"	"	"	"	"	
BQC0006-14 (B2-0-1)		Soil					Sampled: 02/27/07 15:25			
Arsenic	EPA 6020	12.4	----	0.546	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 14:47	
Lead	"	49.3	----	0.546	"	"	"	"	"	

TestAmerica - Seattle, WA



Kortland Orr, PM

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-15 (B2-1-2)		Soil		Sampled: 02/27/07 17:00						
Arsenic	EPA 6020	15.7	----	0.580	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 14:53	
Lead	"	7.30	----	0.580	"	"	"	"	"	
BQC0006-16 (B1-0-1)		Soil		Sampled: 02/27/07 16:00						
Arsenic	EPA 6020	4.19	----	0.617	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 14:59	
Lead	"	16.6	----	0.617	"	"	"	"	"	
BQC0006-17 (B1-1-2)		Soil		Sampled: 02/27/07 16:27						
Arsenic	EPA 6020	13.2	----	0.530	mg/kg dry	1x	7C01042	03/01/07 16:35	03/02/07 15:05	
Lead	"	13.2	----	0.530	"	"	"	"	"	

TestAmerica - Seattle, WA



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1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**

Project Number: 33759297.01000

Project Manager: Deborah Wilson

Report Created:

03/07/07 18:22

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-01 (B6-0-1)		Soil		Sampled: 02/27/07 10:00						
4,4'-DDD	EPA 8081A	ND	----	2.29	ug/kg dry	1x	7C02027	03/02/07 14:21	03/03/07 21:44	
Surrogate(s): TCX		78.9%		52 - 129 %	"				"	
Decachlorobiphenyl		82.1%		40 - 158 %	"				"	
BQC0006-01RE1 (B6-0-1)		Soil		Sampled: 02/27/07 10:00						
4,4'-DDE	EPA 8081A	774	----	229	ug/kg dry	100x	7C02027	03/02/07 14:21	03/04/07 21:56	
4,4'-DDT	"	1230	----	229	"	"	"	"	"	
Surrogate(s): TCX		NR		52 - 129 %	"				"	Z3
Decachlorobiphenyl		NR		40 - 158 %	"				"	Z3
BQC0006-02 (B6-1-2)		Soil		Sampled: 02/27/07 10:05						
4,4'-DDD	EPA 8081A	ND	----	2.28	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 21:36	
4,4'-DDE	"	52.0	----	2.28	"	"	"	"	"	
4,4'-DDT	"	45.4	----	2.28	"	"	"	"	"	
Surrogate(s): TCX		84.7%		52 - 129 %	"				"	
Decachlorobiphenyl		85.0%		40 - 158 %	"				"	
BQC0006-05 (B5-0-1)		Soil		Sampled: 02/27/07 11:15						
4,4'-DDD	EPA 8081A	48.5	----	2.28	ug/kg dry	1x	7C02027	03/02/07 14:21	03/03/07 22:23	R10
Surrogate(s): TCX		89.1%		52 - 129 %	"				"	
Decachlorobiphenyl		85.4%		40 - 158 %	"				"	
BQC0006-05RE1 (B5-0-1)		Soil		Sampled: 02/27/07 11:15						
4,4'-DDE	EPA 8081A	767	----	228	ug/kg dry	100x	7C02027	03/02/07 14:21	03/04/07 22:15	
4,4'-DDT	"	2140	----	228	"	"	"	"	"	
Surrogate(s): TCX		NR		52 - 129 %	"				"	Z3
Decachlorobiphenyl		NR		40 - 158 %	"				"	Z3
BQC0006-06 (B5-1-2)		Soil		Sampled: 02/27/07 11:20						
4,4'-DDD	EPA 8081A	ND	----	2.29	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 00:21	
4,4'-DDE	"	35.2	----	2.29	"	"	"	"	"	
4,4'-DDT [2C]	"	56.9	----	2.29	"	"	"	"	"	
Surrogate(s): TCX		79.0%		52 - 129 %	"				"	
Decachlorobiphenyl		81.4%		40 - 158 %	"				"	

TestAmerica - Seattle, WA



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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-09 (B4-0-1)		Soil		Sampled: 02/27/07 12:11						
4,4'-DDD	EPA 8081A	5.28	----	2.27	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 00:41	R10
<i>Surrogate(s): TCX</i>			82.6%		52 - 129 %	"			"	
<i>Decachlorobiphenyl</i>			79.5%		40 - 158 %	"			"	
BQC0006-09RE1 (B4-0-1)		Soil		Sampled: 02/27/07 12:11						
4,4'-DDE	EPA 8081A	397	----	113	ug/kg dry	50x	7C02027	03/02/07 14:21	03/04/07 22:35	
4,4'-DDT	"	259	----	113	"	"	"	"	"	
<i>Surrogate(s): TCX</i>			NR		52 - 129 %	"			"	Z3
<i>Decachlorobiphenyl</i>			NR		40 - 158 %	"			"	Z3
BQC0006-10 (B4-1-2)		Soil		Sampled: 02/27/07 12:23						
4,4'-DDD	EPA 8081A	ND	----	2.30	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 20:57	
4,4'-DDE	"	13.1	----	2.30	"	"	"	"	"	
4,4'-DDT	"	10.8	----	2.30	"	"	"	"	"	
<i>Surrogate(s): TCX</i>			86.6%		52 - 129 %	"			"	
<i>Decachlorobiphenyl</i>			90.1%		40 - 158 %	"			"	
BQC0006-13 (B3-0-1)		Soil		Sampled: 02/27/07 14:47						
4,4'-DDD	EPA 8081A	ND	----	24.9	ug/kg dry	10x	7C02027	03/02/07 14:21	03/03/07 19:47	
4,4'-DDE	"	74.1	----	24.9	"	"	"	"	"	
4,4'-DDT	"	ND	----	24.9	"	"	"	"	"	
<i>Surrogate(s): TCX</i>			79.1%		52 - 129 %	"			"	
<i>Decachlorobiphenyl</i>			90.3%		40 - 158 %	"			"	
BQC0006-14 (B2-0-1)		Soil		Sampled: 02/27/07 15:25						
4,4'-DDD	EPA 8081A	8.43	----	2.43	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 01:20	
4,4'-DDT	"	16.1	----	2.43	"	"	"	"	"	
<i>Surrogate(s): TCX</i>			81.8%		52 - 129 %	"			"	
<i>Decachlorobiphenyl</i>			80.2%		40 - 158 %	"			"	

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Organochlorine Pesticides by EPA Method 8081A
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-14RE1 (B2-0-1)		Soil		Sampled: 02/27/07 15:25						
4,4'-DDE	EPA 8081A	616	----	121	ug/kg dry	50x	7C02027	03/02/07 14:21	03/04/07 22:54	
Surrogate(s): TCX			NR		52 - 129 %	"			"	Z3
Decachlorobiphenyl			NR		40 - 158 %	"			"	Z3
BQC0006-15 (B2-1-2)		Soil		Sampled: 02/27/07 17:00						
4,4'-DDD	EPA 8081A	ND	----	2.28	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 01:39	
4,4'-DDT	"	ND	----	2.28	"	"	"	"	"	
Surrogate(s): TCX			87.5%		52 - 129 %	"			"	
Decachlorobiphenyl			87.0%		40 - 158 %	"			"	
BQC0006-15RE1 (B2-1-2)		Soil		Sampled: 02/27/07 17:00						
4,4'-DDE	EPA 8081A	72.4	----	22.8	ug/kg dry	10x	7C02027	03/02/07 14:21	03/04/07 23:14	
Surrogate(s): TCX			80.0%		52 - 129 %	"			"	
Decachlorobiphenyl			97.1%		40 - 158 %	"			"	
BQC0006-16 (B1-0-1)		Soil		Sampled: 02/27/07 16:00						
4,4'-DDD	EPA 8081A	ND	----	2.46	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 21:17	
4,4'-DDE	"	7.10	----	2.46	"	"	"	"	"	
4,4'-DDT	"	ND	----	2.46	"	"	"	"	"	
Surrogate(s): TCX			84.8%		52 - 129 %	"			"	
Decachlorobiphenyl			84.3%		40 - 158 %	"			"	
BQC0006-17 (B1-1-2)		Soil		Sampled: 02/27/07 16:27						
4,4'-DDD	EPA 8081A	ND	----	2.34	ug/kg dry	1x	7C02027	03/02/07 14:21	03/04/07 02:18	
4,4'-DDE	"	26.2	----	2.34	"	"	"	"	"	
4,4'-DDT	"	ND	----	2.34	"	"	"	"	"	
Surrogate(s): TCX			78.6%		52 - 129 %	"			"	
Decachlorobiphenyl			79.2%		40 - 158 %	"			"	

TestAmerica - Seattle, WA



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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-01 (B6-0-1)		Soil								Sampled: 02/27/07 10:00
Dry Weight	BSOPSPLO03R0 8	87.6	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-02 (B6-1-2)		Soil								Sampled: 02/27/07 10:05
Dry Weight	BSOPSPLO03R0 8	88.2	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-05 (B5-0-1)		Soil								Sampled: 02/27/07 11:15
Dry Weight	BSOPSPLO03R0 8	87.1	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-06 (B5-1-2)		Soil								Sampled: 02/27/07 11:20
Dry Weight	BSOPSPLO03R0 8	87.2	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-09 (B4-0-1)		Soil								Sampled: 02/27/07 12:11
Dry Weight	BSOPSPLO03R0 8	86.8	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-10 (B4-1-2)		Soil								Sampled: 02/27/07 12:23
Dry Weight	BSOPSPLO03R0 8	88.3	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-13 (B3-0-1)		Soil								Sampled: 02/27/07 14:47
Dry Weight	BSOPSPLO03R0 8	80.5	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-14 (B2-0-1)		Soil								Sampled: 02/27/07 15:25
Dry Weight	BSOPSPLO03R0 8	83.3	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-15 (B2-1-2)		Soil								Sampled: 02/27/07 17:00
Dry Weight	BSOPSPLO03R0 8	87.9	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-16 (B1-0-1)		Soil								Sampled: 02/27/07 16:00
Dry Weight	BSOPSPLO03R0 8	81.0	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	
BQC0006-17 (B1-1-2)		Soil								Sampled: 02/27/07 16:27

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Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0006-17	(B1-1-2)	Soil								
Dry Weight	BSOPSPLO03R0 8	85.0	----	1.00	%	1x	7C05050	03/05/07 15:12	03/06/07 00:00	

URS Corporation

1501 4th Ave, Suite 1400
Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
Project Number: 33759297.01000
Project Manager: Deborah Wilson

Report Created:
03/07/07 18:22

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C01042

Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C01042-BLK1)							Extracted: 03/01/07 16:35							
Lead	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/02/07 10:22	
Arsenic	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
LCS (7C01042-BS1)							Extracted: 03/01/07 16:35							
Lead	EPA 6020	37.8	---	0.500	mg/kg wet	1x	--	40.0	94.5%	(80-120)	--	--	03/02/07 10:28	
Arsenic	"	39.1	---	0.500	"	"	--	"	97.8%	"	--	--	"	
Duplicate (7C01042-DUP1)				QC Source: BQC0006-13				Extracted: 03/01/07 16:35						
Arsenic	EPA 6020	17.0	---	0.615	mg/kg dry	1x	18.3	--	--	--	7.37%	(30)	03/02/07 10:51	
Lead	"	53.7	---	0.615	"	"	51.0	--	--	--	5.16%	"	"	
Matrix Spike (7C01042-MS1)				QC Source: BQC0006-13				Extracted: 03/01/07 16:35						
Arsenic	EPA 6020	66.7	---	0.634	mg/kg dry	1x	18.3	50.7	95.5%	(57-125)	--	--	03/02/07 10:39	
Lead	"	101	---	0.634	"	"	51.0	"	98.6%	(29-166)	--	--	"	
Matrix Spike Dup (7C01042-MSD1)				QC Source: BQC0006-13				Extracted: 03/01/07 16:35						
Lead	EPA 6020	99.0	---	0.575	mg/kg dry	1x	51.0	46.0	104%	(29-166)	2.00%	(40)	03/02/07 10:45	
Arsenic	"	60.5	---	0.575	"	"	18.3	"	91.7%	(57-125)	9.75%	(30)	"	
Post Spike (7C01042-PS1)				QC Source: BQC0006-13				Extracted: 03/01/07 16:35						
Lead	EPA 6020	0.171	---		ug/ml	1x	0.0821	0.0995	89.3%	(75-125)	--	--	03/02/07 10:34	
Arsenic	"	0.128	---		"	"	0.0295	0.100	98.5%	"	--	--	"	

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Organochlorine Pesticides by EPA Method 8081A - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C02027

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C02027-BLK1)										Extracted: 03/02/07 14:21				
4,4'-DDD	EPA 8081A	ND	---	2.00	ug/kg wet	1x	--	--	--	--	--	--	03/03/07 18:29	
4,4'-DDE	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4,4'-DDT	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): TCX		Recovery:	88.5%	Limits:	52-129%	"								03/03/07 18:29
Decachlorobiphenyl			90.1%		40-158%	"								"
LCS (7C02027-BS1)										Extracted: 03/02/07 14:21				
4,4'-DDD	EPA 8081A	7.16	---	2.00	ug/kg wet	1x	--	8.33	86.0%	(70-129)	--	--	03/03/07 18:48	
4,4'-DDE	"	7.45	---	2.00	"	"	--	"	89.4%	(70-125)	--	--	"	
4,4'-DDT	"	7.99	---	2.00	"	"	--	"	95.9%	(63-129)	--	--	"	
Surrogate(s): TCX		Recovery:	89.4%	Limits:	52-129%	"								03/03/07 18:48
Decachlorobiphenyl			93.3%		40-158%	"								"
Matrix Spike (7C02027-MS1)										QC Source: BQC0006-13				
										Extracted: 03/02/07 14:21				
4,4'-DDD	EPA 8081A	12.9	---	24.9	ug/kg dry	10x	5.74	10.4	68.8%	(14-154)	--	--	03/03/07 20:07	
4,4'-DDE	"	106	---	24.9	"	"	74.1	"	307%	(37-142)	--	--	"	MHA
4,4'-DDT	"	14.2	---	24.9	"	"	6.18	"	77.1%	(29-179)	--	--	"	
Surrogate(s): TCX		Recovery:	90.6%	Limits:	52-129%	"								03/03/07 20:07
Decachlorobiphenyl			104%		40-158%	"								"
Matrix Spike (7C02027-MS3)										QC Source: BQC0030-02				
										Extracted: 03/02/07 14:21				
4,4'-DDD	EPA 8081A	ND	---	4480	ug/kg dry	2000x	ND	9.34	NR	(14-154)	--	--	03/03/07 20:46	
4,4'-DDE	"	ND	---	4480	"	"	ND	"	NR	(37-142)	--	--	"	
4,4'-DDT	"	30500	---	4480	"	"	38800	"	-88900	(29-179)	--	--	"	
Surrogate(s): TCX		Recovery:	NR	Limits:	52-129%	"								03/03/07 20:46
Decachlorobiphenyl			NR		40-158%	"								"
Matrix Spike Dup (7C02027-MSD1)										QC Source: BQC0006-13				
										Extracted: 03/02/07 14:21				
4,4'-DDD	EPA 8081A	11.7	---	25.0	ug/kg dry	10x	5.74	10.4	57.3%	(14-154)	9.76%	(35)	03/03/07 20:26	
4,4'-DDE	"	79.9	---	25.0	"	"	74.1	"	55.8%	(37-142)	28.1%	"	"	
4,4'-DDT	"	12.9	---	25.0	"	"	6.18	"	64.6%	(29-179)	9.59%	"	"	
Surrogate(s): TCX		Recovery:	83.2%	Limits:	52-129%	"								03/03/07 20:26
Decachlorobiphenyl			89.9%		40-158%	"								"

TestAmerica - Seattle, WA



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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Organochlorine Pesticides by EPA Method 8081A - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C02027

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7C02027-MSD3)			QC Source: BQC0030-02						Extracted: 03/02/07 14:21				M4	
4,4'-DDD	EPA 8081A	ND	---	4420	ug/kg dry	2000x	ND	9.22	NR	(14-154)	(35)		03/03/07 21:05	
4,4'-DDE	"	ND	---	4420	"	"	ND	"	NR	(37-142)	"		"	
4,4'-DDT	"	27800	---	4420	"	"	38800	"	-11900	(29-179)	9.26%	"	"	
Surrogate(s): TCX		Recovery: NR		Limits: 52-129%		"							03/03/07 21:05	
Decachlorobiphenyl		NR		40-158%		"							"	

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C05050

Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (7C05050-BLK1)

Extracted: 03/05/07 15:12

Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	03/06/07 00:00	
------------	-------------------	-----	-----	------	---	----	----	----	----	----	----	----	----------------	--

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URS Corporation

1501 4th Ave, Suite 1400
 Seattle, WA/USA 98101-1616

Project Name: **Beebe Springs**
 Project Number: 33759297.01000
 Project Manager: Deborah Wilson

Report Created:
 03/07/07 18:22

Notes and Definitions

Report Specific Notes:

- M4 - The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
- MHA - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- R10 - The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the lower value was reported due to apparent chromatographic problems.
- Z3 - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



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CHAIN OF CUSTODY REPORT

Work Order #: **BQC0006**

CLIENT: URS		INVOICE TO: Same		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="button" value="OTHER"/> Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.			
REPORT TO: Deborah Wilson ADDRESS: 1501 4th Avenue, Suite 1400 Seattle, WA 98101		P.O. NUMBER:					
PHONE: 206-438-2248 FAX: 866-495-5288							
PROJECT NAME: Beebe Springs		PRESERVATIVE					
PROJECT NUMBER: 33759297.01000		REQUESTED ANALYSES					
SAMPLED BY: Deborah Wilson							
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	OC Petroleum EPA 8081A	Total Arsenic & Lead 6020				
1. B6-0-1	2/27/07 10:00am	X	X				S 1 01
2. B6-1-2	2/27/07 10:05am	X	X				S 1 02
3. B6-2-3	2/27/07 10:17am	X	X				S 1 hold All 03
4. B6-3-4	2/27/07 10:23am	X	X				S 1 hold All 04
5. B5-0-1	2/27/07 11:15am	X	X				S 1 05
6. B5-1-2	2/27/07 11:20am	X	X				S 1 06
7. B5-2-3	2/27/07 11:32am	X	X				S 1 hold All 07
8. B5-3-4	2/27/07 11:40am	X	X				S 1 hold All 08
9. B4-0-1	2/27/07 12:11pm	X	X				S 1 09
10. B4-1-2	2/27/07 12:23pm	X	X				S 1 10
RELEASED BY: Deborah Wilson	FIRM: URS	DATE: 2/28/07	TIME: 11:45am	RECEIVED BY: Shanna Jap	FIRM: HA	DATE: 2/28	TIME: 15/5
PRINT NAME: Deborah Wilson				PRINT NAME:			
RELEASED BY:	FIRM:	DATE:	TIME:	RECEIVED BY:	FIRM:	DATE:	TIME:
PRINT NAME:				PRINT NAME:			
ADDITIONAL REMARKS: Hold all total arsenic and lead (6020) samples for analysis KAO 3/1/07				TEMP: 6.7 24 PAGE 1 OF 1			

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.

Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

WJCS

TestAmerica

ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
 11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **BQCO006**

CLIENT: URS		INVOICE TO: Same		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="checkbox"/> OTHER Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.			
REPORT TO: Deborah Wilson ADDRESS: 1501 4th Avenue, Suite 1400 Seattle, WA 98101		P.O. NUMBER:					
PHONE: 206-438-2248 FAX: 866-495-5288		PRESERVATIVE					
PROJECT NAME: Beebe Springs		REQUESTED ANALYSES					
PROJECT NUMBER: 33759297.01000							
SAMPLED BY: Deborah Wilson							
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Deborah Wilson	80814	6020			
1 B4-2-3	2/27/07 12:32pm	X	X				S 1 hold A" 11
2 B4-3-4	2/27/07 12:32pm	X	X				S 1 hold A" 12
3 B3-0-1	2/27/07 2:47pm	X	X				S 1 extra volume us/USD 13
4 B2-0-1	2/27/07 3:25pm	X	X				S 1 14
5 B2-1-2	2/27/07 5:00pm	X	X				S 1 15
6 B1-0-1	2/27/07 4:00pm	X	X				S 1 16
7 B1-1-2	2/27/07 4:27pm	X	X				S 1 17
8 B7-0-1	2/27/07 5:23pm	X	X				S 1 hold A" 18
9 B7-1-2	2/27/07 5:30pm	X	X				S 1 hold A" 19
10 AS	2/27/07 2:55pm	X	X				S 1
RELEASED BY: Deborah Wilson		DATE: 2/28/07		RECEIVED BY: [Signature]		DATE: 2/28	
PRINT NAME: Deborah Wilson		TIME: 11:45am		PRINT NAME: [Signature]		TIME: 1515	
FIRM: URS				FIRM: URS			
ADDITIONAL REMARKS: Hold all total arsenic and Lead (6020) samples for analysis KAO 3/1/07							

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.
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PAGE 2 OF 2
 W/CS