

GW-199

(AP - 014)

APPENDIX B - WASTE DISPOSAL DOCUMENTAION

REPORT

D5G25227 SOIL

YEAR(S):
JULY 2005



STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

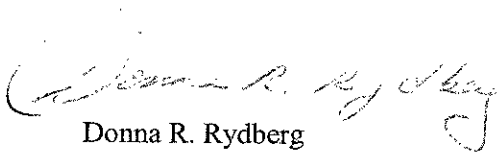
AMENDED ANALYTICAL REPORT

Champion, Hobbs NM
Project # 131042/1

Lot #: D5G250227

Manley Tom
Environmental Strategies Corporation
4600 South Ulster Street
Denver, CO 80237

STL DENVER



Donna R. Rydberg
Project Manager

August 8, 2005

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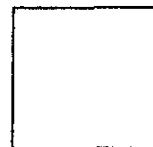
Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.



- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Sample Summary
- Analytical Results
- QC Data Association Summary
- QC Evaluation and/or Data Reports
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Case Narrative

Enclosed is the report for thirty-three samples that arrived at STL's Denver laboratory on July 25, 2005. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual (LQM). The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL's standard reporting limit. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

Quality Control Summary for Lot D5G250227

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 4.3°C. All sample containers were received in good condition.

Method SW846 6010B – Total Chromium

- No anomalies were observed.

General Chemistry

- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Those samples analyzed at a dilution due to high analyte content were flagged "Q".
- Chloride was detected below reporting limits in the Method Blanks associated with prep batch 5214271 and 5214515. No corrective action is required for any compounds detected below reporting limits. The associated data are flagged.

SDG# D5G250227

- The percent recoveries for Chloride in the Matrix Spike Duplicate samples associated with prep batch 5214271 and 5214515 were outside control limits. The associated LCS/LCSD samples were within control limits and demonstrate that the operating procedure is in control. No further action was required.
- No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D5G250227

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ESCSB-04-0'-2' 07/19/05 15:45 001				
Chloride	58 J	30	mg/kg	SW846 9056
ESCSB-04-5'-7' 07/19/05 15:55 002				
Chloride	160 J	30	mg/kg	SW846 9056
ESCSB-04-10'-12' 07/19/05 16:05 003				
Chloride	790 J,Q	60	mg/kg	SW846 9056
ESCSB-04-15'-17' 07/19/05 16:20 004				
Chloride	380 J	30	mg/kg	SW846 9056
ESCSB-04-20'-22' 07/19/05 16:30 005				
Chloride	230 J	30	mg/kg	SW846 9056
ESCSB-03-0'-2' 07/20/05 12:15 006				
Chromium	1.5	1.0	mg/kg	SW846 6010B
Chloride	1200 J,Q	150	mg/kg	SW846 9056
pH	8.4	0.10	No Units	SW846 9045C
ESCSB-03-5'-7' 07/20/05 12:20 007				
Chromium	1.2	1.0	mg/kg	SW846 6010B
Chloride	490 J	30	mg/kg	SW846 9056
pH	8.6	0.10	No Units	SW846 9045C
ESCSB-03-10'-12' 07/20/05 12:27 008				
Chromium	2.6	1.0	mg/kg	SW846 6010B
Chloride	1400 J,Q	150	mg/kg	SW846 9056
pH	8.0	0.10	No Units	SW846 9045C
ESCSB-03-15'-17' 07/20/05 12:35 009				
Chromium	4.0	1.0	mg/kg	SW846 6010B
Chloride	1000 J,Q	150	mg/kg	SW846 9056
pH	8.1	0.10	No Units	SW846 9045C

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EXECUTIVE SUMMARY - Detection Highlights

D5G250227

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ESCSB-03-25'-27' 07/20/05 12:55 010				
Chromium	3.0	1.0	mg/kg	SW846 6010B
Chloride	300 J	30	mg/kg	SW846 9056
pH	8.3	0.10	No Units	SW846 9045C
ESCSB-03-35'-37' 07/20/05 13:10 011				
Chromium	2.5	1.0	mg/kg	SW846 6010B
Chloride	88 J	30	mg/kg	SW846 9056
pH	8.5	0.10	No Units	SW846 9045C
ESCSB-03-55'-57' 07/20/05 14:10 012				
Chromium	4.4	1.0	mg/kg	SW846 6010B
Chloride	25 B,J	30	mg/kg	SW846 9056
pH	9.0	0.10	No Units	SW846 9045C
ESCSB-02-0'-2' 07/20/05 15:00 013				
Chromium	2.0	1.0	mg/kg	SW846 6010B
Chloride	2600 J,Q	300	mg/kg	SW846 9056
pH	8.1	0.10	No Units	SW846 9045C
ESCSB-02-5'-7' 07/20/05 15:15 014				
Chromium	9.7	1.0	mg/kg	SW846 6010B
Chloride	550 J,Q	60	mg/kg	SW846 9056
pH	8.3	0.10	No Units	SW846 9045C
ESCSB-02-10'-12' 07/20/05 15:20 015				
Chromium	1.9	1.0	mg/kg	SW846 6010B
Chloride	1700 J,Q	150	mg/kg	SW846 9056
pH	7.9	0.10	No Units	SW846 9045C
ESCSB-02-15'-17' 07/20/05 15:30 016				
Chromium	3.7	1.0	mg/kg	SW846 6010B
Chloride	500 J	30	mg/kg	SW846 9056
pH	8.3	0.10	No Units	SW846 9045C

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EXECUTIVE SUMMARY - Detection Highlights

D5G250227

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ESCSB-02-25'-27' 07/20/05 15:40 017				
Chromium	1.9	1.0	mg/kg	SW846 6010B
Chloride	470 J	30	mg/kg	SW846 9056
pH	8.3	0.10	No Units	SW846 9045C
ESCSB-02-35'-37' 07/20/05 15:50 018				
Chromium	3.3	1.0	mg/kg	SW846 6010B
Chloride	350 J	30	mg/kg	SW846 9056
pH	8.4	0.10	No Units	SW846 9045C
ESCSB-02-53'-55' 07/20/05 16:10 019				
Chromium	4.9	1.0	mg/kg	SW846 6010B
Chloride	190 J	30	mg/kg	SW846 9056
pH	8.3	0.10	No Units	SW846 9045C
ESCSB-01-0'-2' 07/21/05 08:40 020				
Chromium	1.2	1.0	mg/kg	SW846 6010B
Chloride	12 B,J	30	mg/kg	SW846 9056
pH	8.8	0.10	No Units	SW846 9045C
ESCSB-01-5'-7' 07/21/05 08:50 021				
Chromium	10	1.0	mg/kg	SW846 6010B
Chloride	10 B,J	30	mg/kg	SW846 9056
pH	9.6	0.10	No Units	SW846 9045C
ESCSB-01-10'-12' 07/21/05 08:55 022				
Chromium	6.0	1.0	mg/kg	SW846 6010B
Chloride	49 J	30	mg/kg	SW846 9056
pH	9.6	0.10	No Units	SW846 9045C
ESCSB-01-15'-17' 07/21/05 09:05 023				
Chromium	2.7	1.0	mg/kg	SW846 6010B
Chloride	140 J	30	mg/kg	SW846 9056
pH	8.8	0.10	No Units	SW846 9045C

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EXECUTIVE SUMMARY - Detection Highlights

D5G250227

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ESCSB-01-25'-27' 07/21/05 09:15 024				
Chromium	2.7	1.0	mg/kg	SW846 6010B
Chloride	120 J	30	mg/kg	SW846 9056
pH	8.8	0.10	No Units	SW846 9045C
ESCSB-01-35'-37' 07/21/05 09:30 025				
Chromium	2.6	1.0	mg/kg	SW846 6010B
Chloride	110 J	30	mg/kg	SW846 9056
pH	8.9	0.10	No Units	SW846 9045C
ESCSB-01-54'-56' 07/21/05 10:00 026				
Chromium	5.4	1.0	mg/kg	SW846 6010B
Chloride	59 J	30	mg/kg	SW846 9056
pH	8.7	0.10	No Units	SW846 9045C
ESCSB-05-0'-2' 07/21/05 10:35 027				
Chromium	2.4	1.0	mg/kg	SW846 6010B
Chloride	130 J	30	mg/kg	SW846 9056
pH	8.5	0.10	No Units	SW846 9045C
ESCSB-05-5'-7' 07/21/05 10:45 028				
Chloride	180 J	30	mg/kg	SW846 9056
pH	8.0	0.10	No Units	SW846 9045C
ESCSB-05-10'-12' 07/21/05 10:55 029				
Chromium	5.5	1.0	mg/kg	SW846 6010B
Chloride	300 J	30	mg/kg	SW846 9056
pH	8.7	0.10	No Units	SW846 9045C
ESCSB-05-15'-17' 07/21/05 11:05 030				
Chromium	1.6	1.0	mg/kg	SW846 6010B
Chloride	130 J	30	mg/kg	SW846 9056
pH	8.5	0.10	No Units	SW846 9045C

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D5G250227

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ESCSB-05-25'-27' 07/21/05 11:20 031				
Chromium	3.5	1.0	mg/kg	SW846 6010B
Chloride	190 J	30	mg/kg	SW846 9056
pH	8.6	0.10	No Units	SW846 9045C
ESCSB-05-35'-37' 07/21/05 11:35 032				
Chromium	3.9	1.0	mg/kg	SW846 6010B
Chloride	190 J	30	mg/kg	SW846 9056
pH	8.5	0.10	No Units	SW846 9045C
ESCSB-05-55'-57' 07/21/05 12:05 033				
Chromium	2.6	1.0	mg/kg	SW846 6010B
Chloride	47 J	30	mg/kg	SW846 9056
pH	8.7	0.10	No Units	SW846 9045C

METHODS SUMMARY

D5G250227

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Chloride	SW846 9056	SW846 9056
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D5G250227

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 6010B	Janel Motichka	2862
SW846 6010B	Lynn-Anne Trudell	6645
SW846 9045C	Fougere M. Danielle	006481
SW846 9056	Lowell Coon	016091

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D5G250227

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HF76P	001	ESCSB-04-0'-2'	07/19/05	15:45
HF76V	002	ESCSB-04-5'-7'	07/19/05	15:55
HF76X	003	ESCSB-04-10'-12'	07/19/05	16:05
HF760	004	ESCSB-04-15'-17'	07/19/05	16:20
HF762	005	ESCSB-04-20'-22'	07/19/05	16:30
HF764	006	ESCSB-03-0'-2'	07/20/05	12:15
HF765	007	ESCSB-03-5'-7'	07/20/05	12:20
HF766	008	ESCSB-03-10'-12'	07/20/05	12:27
HF767	009	ESCSB-03-15'-17'	07/20/05	12:35
HF769	010	ESCSB-03-25'-27'	07/20/05	12:55
HF77A	011	ESCSB-03-35'-37'	07/20/05	13:10
HF77C	012	ESCSB-03-55'-57'	07/20/05	14:10
HF77D	013	ESCSB-02-0'-2'	07/20/05	15:00
HF77F	014	ESCSB-02-5'-7'	07/20/05	15:15
HF77G	015	ESCSB-02-10'-12'	07/20/05	15:20
HF77H	016	ESCSB-02-15'-17'	07/20/05	15:30
HF77J	017	ESCSB-02-25'-27'	07/20/05	15:40
HF77M	018	ESCSB-02-35'-37'	07/20/05	15:50
HF77N	019	ESCSB-02-53'-55'	07/20/05	16:10
HF77P	020	ESCSB-01-0'-2'	07/21/05	08:40
HF77Q	021	ESCSB-01-5'-7'	07/21/05	08:50
HF77R	022	ESCSB-01-10'-12'	07/21/05	08:55
HF77T	023	ESCSB-01-15'-17'	07/21/05	09:05
HF77V	024	ESCSB-01-25'-27'	07/21/05	09:15
HF770	025	ESCSB-01-35'-37'	07/21/05	09:30
HF771	026	ESCSB-01-54'-56'	07/21/05	10:00
HF772	027	ESCSB-05-0'-2'	07/21/05	10:35
HF774	028	ESCSB-05-5'-7'	07/21/05	10:45
HF776	029	ESCSB-05-10'-12'	07/21/05	10:55
HF777	030	ESCSB-05-15'-17'	07/21/05	11:05
HF779	031	ESCSB-05-25'-27'	07/21/05	11:20
HF78A	032	ESCSB-05-35'-37'	07/21/05	11:35
HF78E	033	ESCSB-05-55'-57'	07/21/05	12:05

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SAMPLE SUMMARY

D5G250227

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
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NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-01-2'

TOTAL Metals

Lot-Sample #...: D5G250227-006

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:15 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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Prep Batch #...: 5208668

Chromium	1.5	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7641AD
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Dilution Factor: 1

Analysis Time...: 03:21

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-5'-7'

TOTAL Metals

Lot-Sample #...: D5G250227-007

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:20 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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Prep Batch #...: 5208668

Chromium	1.2	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7651AD
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Dilution Factor: 1

Analysis Time...: 03:41

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-10'-12'

TOTAL Metals

Lot-Sample #...: D5G250227-008

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:27 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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Prep Batch #...: 5208668

Chromium	2.6	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7661AD
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Dilution Factor: 1

Analysis Time...: 03:46

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-15'-17'

TOTAL Metals

Lot-Sample #...: D5G250227-009

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:35 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5208668						
Chromium	4.0	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7671AD
		Dilution Factor: 1		Analysis Time...: 03:51	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-25'-27'

TOTAL Metals

Lot-Sample #...: D5G250227-010

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:55 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208668						
Chromium	3.0	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7691AD
		Dilution Factor: 1		Analysis Time...: 03:56	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-35'-37'

TOTAL Metals

Lot-Sample #...: D5G250227-011

Matrix.....: SOLID

Date Sampled...: 07/20/05 13:10 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 5208668						
Chromium	2.5	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77A1AD
		Dilution Factor: 1		Analysis Time...: 04:11	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-55'-57'

TOTAL Metals

Lot-Sample #...: D5G250227-012

Matrix.....: SOLID

Date Sampled...: 07/20/05 14:10 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5208668						
Chromium	4.4	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77C1AD
		Dilution Factor: 1		Analysis Time...: 04:16	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-0'-2'

TOTAL Metals

Lot-Sample #...: D5G250227-013

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:00 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208668						
Chromium	2.0	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77D1AD
		Dilution Factor: 1		Analysis Time...: 04:21	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-5'-7'

TOTAL Metals

Lot-Sample #...: D5G250227-014

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:15 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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Prep Batch #...: 5208668

Chromium	9.7	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77F1AD
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Dilution Factor: 1

Analysis Time...: 04:26

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-10'-12'

TOTAL Metals

Lot-Sample #...: D5G250227-015

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:20 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 5208668						
Chromium	1.9	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77G1AD
		Dilution Factor: 1		Analysis Time...: 04:31	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-15'-17'

TOTAL Metals

Lot-Sample #...: D5G250227-016

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:30 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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Prep Batch #...: 5208668

Chromium	3.7	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77H1AD
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Dilution Factor: 1

Analysis Time...: 04:36

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-25'-27'

TOTAL Metals

Lot-Sample #...: D5G250227-017

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:40 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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Prep Batch #...: 5208668

Chromium	1.9	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77J1AD
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Dilution Factor: 1

Analysis Time...: 04:41

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-35'-37'

TOTAL Metals

Lot-Sample #...: D5G250227-018

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:50 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5208668						
Chromium	3.3	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77M1AD
		Dilution Factor: 1		Analysis Time...: 04:46	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-53'-55'

TOTAL Metals

Lot-Sample #...: D5G250227-019

Matrix.....: SOLID

Date Sampled...: 07/20/05 16:10 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 5208668						
Chromium	4.9	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77N1AD
		Dilution Factor: 1		Analysis Time...: 04:51	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-0'-2'

TOTAL Metals

Lot-Sample #...: D5G250227-020

Matrix.....: SOLID

Date Sampled...: 07/21/05 08:40 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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Prep Batch #...: 5208668

Chromium	1.2	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77P1AD
		Dilution Factor: 1		Analysis Time...: 04:56	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-5'-7'

TOTAL Metals

Lot-Sample #...: D5G250227-021

Matrix.....: SOLID

Date Sampled...: 07/21/05 08:50 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	5208668					
Chromium	10	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77Q1AD
		Dilution Factor: 1		Analysis Time...: 05:12	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-10'-12'

TOTAL Metals

Lot-Sample #...: D5G250227-022

Matrix.....: SOLID

Date Sampled...: 07/21/05 08:55 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5208668						
Chromium	6.0	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77R1AD
		Dilution Factor: 1		Analysis Time...: 05:17	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-15'-17'

TOTAL Metals

Lot-Sample #...: D5G250227-023

Matrix.....: SOLID

Date Sampled...: 07/21/05 09:05 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208668						
Chromium	2.7	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77T1AD
		Dilution Factor: 1		Analysis Time...: 05:22	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-25'-27'

TOTAL Metals

Lot-Sample #...: D5G250227-024

Matrix.....: SOLID

Date Sampled...: 07/21/05 09:15 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208668						
Chromium	2.7	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF77V1AD
		Dilution Factor: 1		Analysis Time...: 05:27	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-35'-37'

TOTAL Metals

Lot-Sample #...: D5G250227-025

Matrix.....: SOLID

Date Sampled...: 07/21/05 09:30 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 5208668						
Chromium	2.6	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HF7701AD
		Dilution Factor: 1		Analysis Time...: 05:32	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-54'-56'

TOTAL Metals

Lot-Sample #...: D5G250227-026

Matrix.....: SOLID

Date Sampled...: 07/21/05 10:00 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208666						
Chromium	5.4	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7711AD
		Dilution Factor: 1		Analysis Time...: 12:16	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-0'-2'

TOTAL Metals

Lot-Sample #...: D5G250227-027

Matrix.....: SOLID

Date Sampled...: 07/21/05 10:35 Date Received...: 07/25/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	5208666					
Chromium	2.4	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7721AD
		Dilution Factor: 1		Analysis Time...: 12:31	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-5'-7'

TOTAL Metals

Lot-Sample #...: D5G250227-028

Matrix.....: SOLID

Date Sampled...: 07/21/05 10:45 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208666						
Chromium	ND	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7741AD
		Dilution Factor: 1		Analysis Time...: 12:36	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-10'-12'

TOTAL Metals

Lot-Sample #...: D5G250227-029

Matrix.....: SOLID

Date Sampled...: 07/21/05 10:55 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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Prep Batch #...: 5208666

Chromium	5.5	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7761AD
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Dilution Factor: 1

Analysis Time...: 12:41

MDL.....: 0.27

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-15'-17'

TOTAL Metals

Lot-Sample #...: D5G250227-030

Matrix.....: SOLID

Date Sampled...: 07/21/05 11:05 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 5208666						
Chromium	1.6	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7771AD
		Dilution Factor: 1		Analysis Time...: 12:46	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-25'-27'

TOTAL Metals

Lot-Sample #...: D5G250227-031

Matrix.....: SOLID

Date Sampled...: 07/21/05 11:20 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208666						
Chromium	3.5	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF7791AD
		Dilution Factor: 1		Analysis Time...: 12:51	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-35'-37'

TOTAL Metals

Lot-Sample #...: D5G250227-032

Matrix.....: SOLID

Date Sampled...: 07/21/05 11:35 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208666						
Chromium	3.9	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF78A1AD
		Dilution Factor: 1		Analysis Time...: 12:56	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-55'-57'

TOTAL Metals

Lot-Sample #...: D5G250227-033

Matrix.....: SOLID

Date Sampled...: 07/21/05 12:05 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 5208666						
Chromium	2.6	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HF78E1AD
		Dilution Factor: 1		Analysis Time...: 13:01	MDL.....: 0.27	

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-04-0'-2'

General Chemistry

Lot-Sample #...: D5G250227-001 Work Order #...: HF76P Matrix.....: SOLID
Date Sampled...: 07/19/05 15:45 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	58 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 01:05	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-04-5'-7'

General Chemistry

Lot-Sample #....: D5G250227-002 Work Order #....: HF76V Matrix.....: SOLID
Date Sampled....: 07/19/05 15:55 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	160 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time..: 01:51	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-04-10'-12'

General Chemistry

Lot-Sample #...: D5G250227-003 Work Order #...: HF76X Matrix.....: SOLID
Date Sampled...: 07/19/05 16:05 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	790 J,Q	60	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 2		Analysis Time...: 10:19	MDL.....: 2.8	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-04-15'-17'

General Chemistry

Lot-Sample #...: D5G250227-004 Work Order #...: HF760 Matrix.....: SOLID
Date Sampled...: 07/19/05 16:20 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	380 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 02:22	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-04-20'-22'

General Chemistry

Lot-Sample #...: D5G250227-005 Work Order #...: HF762 Matrix.....: SOLID
Date Sampled...: 07/19/05 16:30 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	230 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
			Dilution Factor: 1	Analysis Time...: 02:37	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-0'-2'

General Chemistry

Lot-Sample #....: D5G250227-006 Work Order #....: HF764 Matrix.....: SOLID
Date Sampled....: 07/20/05 12:15 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.4	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time..: 20:54	MDL.....:	
Chloride	1200 J,Q	150	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 5		Analysis Time..: 10:34	MDL.....: 7.0	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-5'-7'

General Chemistry

Lot-Sample #...: D5G250227-007 Work Order #...: HF765 Matrix.....: SOLID
Date Sampled...: 07/20/05 12:20 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.6	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 20:55	MDL.....:	
Chloride	490 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 03:38	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-10'-12'

General Chemistry

Lot-Sample #...: D5G250227-008 Work Order #...: HF766 Matrix.....: SOLID
Date Sampled...: 07/20/05 12:27 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 20:56	MDL.....:	
Chloride	1400 J,Q	150	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 5		Analysis Time...: 10:49	MDL.....: 7.0	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-15'-17'

General Chemistry

Lot-Sample #...: D5G250227-009 Work Order #...: HF767 Matrix.....: SOLID
Date Sampled...: 07/20/05 12:35 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.1	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 20:58	MDL.....:	
Chloride	1000 J,Q	150	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 5		Analysis Time...: 12:06	MDL.....: 7.0	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-25'-27'

General Chemistry

Lot-Sample #...: D5G250227-010 Work Order #...: HF769 Matrix.....: SOLID
Date Sampled...: 07/20/05 12:55 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....:	
Chloride	300 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time..: 04:24	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-35'-37'

General Chemistry

Lot-Sample #...: D5G250227-011 Work Order #...: HF77A Matrix.....: SOLID
Date Sampled...: 07/20/05 13:10 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.5	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 21:02	MDL.....:	
Chloride	88 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 04:39	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-03-55'-57'

General Chemistry

Lot-Sample #...: D5G250227-012 Work Order #...: HF77C Matrix.....: SOLID
Date Sampled...: 07/20/05 14:10 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	9.0	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 21:03	MDL.....:	
Chloride	25 B,J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 04:55	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-0'-2'

General Chemistry

Lot-Sample #....: D5G250227-013 Work Order #....: HF77D Matrix.....: SOLID
Date Sampled....: 07/20/05 15:00 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.1	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 21:04	MDL.....:	
Chloride	2600 J,Q	300	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 10		Analysis Time...: 11:20	MDL.....: 14	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-5'-7'

General Chemistry

Lot-Sample #...: D5G250227-014 Work Order #...: HF77F Matrix.....: SOLID
Date Sampled...: 07/20/05 15:15 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 21:05	MDL.....:	
Chloride	550 J,Q	60	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 2		Analysis Time...: 11:35	MDL.....: 2.8	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-10'-12'

General Chemistry

Lot-Sample #...: D5G250227-015 Work Order #...: HF77G Matrix.....: SOLID
Date Sampled...: 07/20/05 15:20 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.9	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time.: 21:06	MDL.....:	
Chloride	1700 J,Q	150	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 5		Analysis Time.: 11:50	MDL.....: 7.0	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-15'-17'

General Chemistry

Lot-Sample #....: D5G250227-016 Work Order #....: HF77H Matrix.....: SOLID
Date Sampled....: 07/20/05 15:30 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	8.3	0.10	No Units	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time..: 21:07	MDL.....:	
Chloride	500 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time..: 06:27	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-25'-27'

General Chemistry

Lot-Sample #...: D5G250227-017 Work Order #...: HF77J Matrix.....: SOLID
Date Sampled...: 07/20/05 15:40 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	SW846 9045C	07/27/05	5209303
			Dilution Factor: 1	Analysis Time...: 21:08	MDL.....:	
Chloride	470 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
			Dilution Factor: 1	Analysis Time...: 06:42	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-35'-37'

General Chemistry

Lot-Sample #....: D5G250227-018 **Work Order #....:** HF77M **Matrix.....:** SOLID
Date Sampled....: 07/20/05 15:50 **Date Received...:** 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.4	0.10	No Units	SW846 9045C	07/27/05	5209304
			Dilution Factor: 1	Analysis Time...: 21:09	MDL.....:	
Chloride	350 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
			Dilution Factor: 1	Analysis Time...: 06:57	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-02-53'-55'

General Chemistry

Lot-Sample #...: D5G250227-019 Work Order #...: HF77N Matrix.....: SOLID
Date Sampled...: 07/20/05 16:10 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:12	MDL.....:	
Chloride	190 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 07:13	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-0'-2'

General Chemistry

Lot-Sample #...: D5G250227-020 Work Order #...: HF77P Matrix.....: SOLID
Date Sampled...: 07/21/05 08:40 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.8	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time..: 21:13	MDL.....:	
Chloride	12 B,J	30	mg/kg	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time..: 07:28	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-5'-7'

General Chemistry

Lot-Sample #....: D5G250227-021 Work Order #....: HF77Q Matrix.....: SOLID
Date Sampled....: 07/21/05 08:50 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	9.6	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:14	MDL.....:	
Chloride	10 B,J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 03:16	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-10'-12'

General Chemistry

Lot-Sample #...: D5G250227-022 Work Order #...: HF77R Matrix.....: SOLID
Date Sampled...: 07/21/05 08:55 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	9.6	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:15	MDL.....:	
Chloride	49 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 03:33	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-15'-17'

General Chemistry

Lot-Sample #...: D5G250227-023 Work Order #...: HF77T Matrix.....: SOLID
Date Sampled...: 07/21/05 09:05 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.8	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:16	MDL.....:	
Chloride	140 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 03:49	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-25'-27'

General Chemistry

Lot-Sample #...: D5G250227-024 Work Order #...: HF77V Matrix.....: SOLID
Date Sampled...: 07/21/05 09:15 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.8	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:16	MDL.....:	
Chloride	120 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 04:06	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-01-35'-37'

General Chemistry

Lot-Sample #...: D5G250227-025 Work Order #...: HF770 Matrix.....: SOLID
Date Sampled...: 07/21/05 09:30 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.9	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:17	MDL.....:	
Chloride	110 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 04:39	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: RSCSB-01-54'-56'

General Chemistry

Lot-Sample #...: D5G250227-026 Work Order #...: HF771 Matrix.....: SOLID
Date Sampled...: 07/21/05 10:00 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.7	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:18	MDL.....:	
Chloride	59 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 04:39	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-0'-2'

General Chemistry

Lot-Sample #...: D5G250227-027 Work Order #...: HF772 Matrix.....: SOLID
Date Sampled...: 07/21/05 10:35 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.5	0.10	No Units	SW846 9045C	07/27/05	5209304
			Dilution Factor: 1	Analysis Time..: 21:19	MDL.....:	
Chloride	130 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
			Dilution Factor: 1	Analysis Time..: 04:55	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-5'-7'

General Chemistry

Lot-Sample #...: D5G250227-028 Work Order #...: HF774 Matrix.....: SOLID
Date Sampled...: 07/21/05 10:45 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time..: 21:20	MDL.....:	
Chloride	180 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time..: 05:12	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-10'-12'

General Chemistry

Lot-Sample #...: D5G250227-029 Work Order #...: HF776 Matrix.....: SOLID
Date Sampled...: 07/21/05 10:55 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.7	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time..: 21:21	MDL.....:	
Chloride	300 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-15'-17'

General Chemistry

Lot-Sample #...: D5G250227-030 Work Order #...: HF777 Matrix.....: SOLID
Date Sampled...: 07/21/05 11:05 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.5	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:22	MDL.....:	
Chloride	130 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 06:18	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-25'-27'

General Chemistry

Lot-Sample #...: D5G250227-031 Work Order #...: HF779 Matrix.....: SOLID
Date Sampled...: 07/21/05 11:20 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.6	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:23	MDL.....:	
Chloride	190 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 06:34	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-35'-37'

General Chemistry

Lot-Sample #...: D5G250227-032 Work Order #...: HF78A Matrix.....: SOLID
Date Sampled...: 07/21/05 11:35 Date Received...: 07/25/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.5	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:24	MDL.....:	
Chloride	190 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 06:51	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Strategies Consulting, LLC

Client Sample ID: ESCSB-05-55'-57'

General Chemistry

Lot-Sample #...: D5G250227-033 Work Order #...: HF78E Matrix.....: SOLID
Date Sampled...: 07/21/05 12:05 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	8.7	0.10	No Units	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 21:26	MDL.....:	
Chloride	47 J	30	mg/kg	SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1		Analysis Time...: 07:07	MDL.....: 1.4	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

D5G250227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 9056		5214515	5215369
002	SOLID	SW846 9056		5214515	5215369
003	SOLID	SW846 9056		5214515	5215369
004	SOLID	SW846 9056		5214515	5215369
005	SOLID	SW846 9056		5214515	5215369
006	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
007	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
008	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
009	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
010	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
011	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
012	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
013	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412

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QC DATA ASSOCIATION SUMMARY

D5G250227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
014	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
015	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
016	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
017	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209303	5213101
	SOLID	SW846 6010B		5208668	5208412
018	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
019	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
020	SOLID	SW846 9056		5214515	5215369
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
021	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
022	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
023	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
024	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D5G250227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
025	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208668	5208412
026	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
027	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
028	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
029	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
030	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
031	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
032	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410
033	SOLID	SW846 9056		5214271	5215367
	SOLID	SW846 9045C		5209304	5213106
	SOLID	SW846 6010B		5208666	5208410

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MB Lot-Sample #: D5G270000-666 Prep Batch #... : 5208666						
Chromium	ND	1.0	mg/kg	SW846 6010B	07/30-07/31/05	HGE221AF
		Dilution Factor: 1				
		Analysis Time...: 11:29				

MB Lot-Sample #: D5G270000-668 Prep Batch #... : 5208668						
Chromium	ND	1.0	mg/kg	SW846 6010B	08/05-08/08/05	HGE261AA
		Dilution Factor: 1				
		Analysis Time...: 03:10				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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LCS Lot-Sample#: D5G270000-666 Prep Batch #...: 5208666
Chromium 106 (80 - 120) SW846 6010B 07/30-07/31/05 HGE221A2
Dilution Factor: 1 Analysis Time...: 11:34

LCS Lot-Sample#: D5G270000-668 Prep Batch #...: 5208668
Chromium 96 (80 - 120) SW846 6010B 08/05-08/08/05 HGE261AC
Dilution Factor: 1 Analysis Time...: 03:15

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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LCS Lot-Sample#: D5G270000-666 Prep Batch #...: 5208666

Chromium	20.0	21.2	mg/kg	106	SW846 6010B	07/30-07/31/05	HGE221A2
				Dilution Factor: 1	Analysis Time..: 11:34		

LCS Lot-Sample#: D5G270000-668 Prep Batch #...: 5208668

Chromium	20.0	19.2	mg/kg	96	SW846 6010B	08/05-08/08/05	HGE261AC
				Dilution Factor: 1	Analysis Time..: 03:15		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/19/05 09:45 Date Received...: 07/19/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D5G200199-006 Prep Batch #... : 5208666						
Chromium	108	(70 - 200)		SW846 6010B	07/30-07/31/05	HFV6D1CN
	109	(70 - 200)	0.78 (0-40)	SW846 6010B	07/30-07/31/05	HFV6D1CP
			Dilution Factor: 1			
			Analysis Time...: 11:52			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/19/05 09:45 **Date Received...:** 07/19/05

<u>PARAMETER</u>	<u>AMOUNT</u>	<u>SAMPLE SPIKE</u> <u>AMT</u>	<u>MEASRD</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCNT</u> <u>RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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MS Lot-Sample #: D5G200199-006 **Prep Batch #...:** 5208666

Chromium

30	77.5	114	mg/kg	108			SW846 6010B	07/30-07/31/05	HFV6D1CN
30	77.5	115	mg/kg	109	0.78		SW846 6010B	07/30-07/31/05	HFV6D1CP

Dilution Factor: 1

Analysis Time...: 11:52

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:15 Date Received...: 07/25/05

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u> <u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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MS Lot-Sample #: D5G250227-006 Prep Batch #...: 5208668

Chromium	93	(70 - 200)		SW846 6010B	08/05-08/08/05	HF7641AE
	92	(70 - 200) 0.86 (0-40)		SW846 6010B	08/05-08/08/05	HF7641AF

Dilution Factor: 1

Analysis Time...: 03:31

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/20/05 12:15 **Date Received...:** 07/25/05

<u>PARAMETER</u>	<u>AMOUNT</u>	<u>SAMPLE SPIKE AMT</u>	<u>MEASRD AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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MS Lot-Sample #: D5G250227-006 **Prep Batch #...:** 5208668

Chromium

1.5	20.2	20.3	mg/kg	93			SW846 6010B	08/05-08/08/05	HF7641AE
1.5	20.2	20.1	mg/kg	92	0.86		SW846 6010B	08/05-08/08/05	HF7641AF

Dilution Factor: 1

Analysis Time...: 03:31

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5G250227

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Chloride	3.1 B	Work Order #: HGWJ41AA 30	mg/kg	MB Lot-Sample #: D5H020000-271 SW846 9056	08/01-08/02/05	5214271
		Dilution Factor: 1 Analysis Time...: 00:31				
Chloride	2.2 B	Work Order #: HGWJ61AA 30	mg/kg	MB Lot-Sample #: D5H020000-515 SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1 Analysis Time...: 00:50				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D5G250227

Matrix.....: SOLID

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
pH		WO#:HGNK1AA-LCS/HGNK1AC-LCSD LCS Lot-Sample#: D5G280000-303			
	100	(97 - 103)		SW846 9045C	07/27/05 5209303
	100	(97 - 103) 0.0 (0-5.0)	SW846 9045C	07/27/05	5209303
		Dilution Factor: 1		Analysis Time...: 20:23	
pH		WO#:HGNA1AA-LCS/HGNA1AC-LCSD LCS Lot-Sample#: D5G280000-304			
	100	(97 - 103)		SW846 9045C	07/27/05 5209304
	100	(97 - 103) 0.0 (0-5.0)	SW846 9045C	07/27/05	5209304
		Dilution Factor: 1		Analysis Time...: 20:47	
Chloride		WO#:HGWJ41AC-LCS/HGWJ41AD-LCSD LCS Lot-Sample#: D5H020000-271			
	100	(89 - 109)		SW846 9056	08/01/05 5214271
	100	(89 - 109) 0.08 (0-10)	SW846 9056	08/01/05	5214271
		Dilution Factor: 1		Analysis Time...: 23:42	
Chloride		WO#:HGWJ61AC-LCS/HGWJ61AD-LCSD LCS Lot-Sample#: D5H020000-515			
	98	(89 - 109)		SW846 9056	08/01-08/02/05 5214515
	98	(89 - 109) 0.15 (0-10)	SW846 9056	08/01-08/02/05	5214515
		Dilution Factor: 1		Analysis Time...: 00:19	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D5G250227

Matrix.....: SOLID

	SPIKE	MEASURED	PERCNT	PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY RPD METHOD	ANALYSIS DATE BATCH #
pH			WO#:HGNAK1AA-LCS/HGNAK1AC-LCSD LCS Lot-Sample#: D5G280000-303		
	7.00	7.02	No Units	100	SW846 9045C 07/27/05 5209303
	7.00	7.02	No Units	100 0.0	SW846 9045C 07/27/05 5209303
			Dilution Factor: 1		Analysis Time...: 20:23
pH			WO#:HGNA1AA-LCS/HGNA1AC-LCSD LCS Lot-Sample#: D5G280000-304		
	7.00	7.02	No Units	100	SW846 9045C 07/27/05 5209304
	7.00	7.02	No Units	100 0.0	SW846 9045C 07/27/05 5209304
			Dilution Factor: 1		Analysis Time...: 20:47
Chloride			WO#:HGWJ41AC-LCS/HGWJ41AD-LCSD LCS Lot-Sample#: D5H020000-271		
	200	200	mg/kg	100	SW846 9056 08/01/05 5214271
	200	200	mg/kg	100 0.08	SW846 9056 08/01/05 5214271
			Dilution Factor: 1		Analysis Time...: 23:42
Chloride			WO#:HGWJ61AC-LCS/HGWJ61AD-LCSD LCS Lot-Sample#: D5H020000-515		
	200	195	mg/kg	98	SW846 9056 08/01-08/02/05 5214515
	200	195	mg/kg	98 0.15	SW846 9056 08/01-08/02/05 5214515
			Dilution Factor: 1		Analysis Time...: 00:19

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/21/05 15:00 Date Received...: 07/21/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#:	HF2LV1CP-MS/HF2LV1CQ-MSD	MS	Lot-Sample #:	D5G210377-001
	107	(89 - 109)			SW846 9056	08/01-08/02/05	5214271
	113 N	(89 - 109)	5.6	(0-10)	SW846 9056	08/01-08/02/05	5214271
			Dilution Factor:	1			
			Analysis Time...	00:48			
Chloride			WO#:	HF76P1AC-MS/HF76P1AD-MSD	MS	Lot-Sample #:	D5G250227-001
	104	(89 - 109)			SW846 9056	08/01-08/02/05	5214515
	115 N	(89 - 109)	8.9	(0-10)	SW846 9056	08/01-08/02/05	5214515
			Dilution Factor:	1			
			Analysis Time...	01:20			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5G250227

Matrix.....: SOLID

Date Sampled...: 07/21/05 15:00 Date Received...: 07/21/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#: HF2LV1CP-MS/HF2LV1CQ-MSD MS Lot-Sample #: D5G210377-001						
	3.4	273	296	mg/kg	107		SW846 9056	08/01-08/02/05	5214271
	3.4	273	313 N	mg/kg	113	5.6	SW846 9056	08/01-08/02/05	5214271
			Dilution Factor: 1						
			Analysis Time...: 00:48						
Chloride			WO#: HF76P1AC-MS/HF76P1AD-MSD MS Lot-Sample #: D5G250227-001						
	58	250	317	mg/kg	104		SW846 9056	08/01-08/02/05	5214515
	58	250	346 N	mg/kg	115	8.9	SW846 9056	08/01-08/02/05	5214515
			Dilution Factor: 1						
			Analysis Time...: 01:20						

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #... D5G250227

Work Order #... HF5TG-SMP
HF5TG-DUP

Matrix..... SOLID

Date Sampled... 07/21/05 12:15 **Date Received...** 07/22/05

% Moisture..... 11

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	5.0	5.0	No Units	0.0	(0-5.0)	SD Lot-Sample #: D5G220406-044 SW846 9045C	07/27/05	5209303
				Dilution Factor: 1	Analysis Time...: 20:46			

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5G250227

Work Order #...: HF77M-SMP
HF77M-DUP

Matrix.....: SOLID

Date Sampled...: 07/20/05 15:50 **Date Received...**: 07/25/05

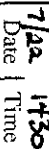
<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
pH	8.4	8.3	No Units	0.48	(0-5.0)	SW846 9045C	07/27/05	5209304
				Dilution Factor: 1	Analysis Time...: 21:09			

SD Lot-Sample #: D5G250227-018

CHAIN OF CUSTODY RECORD

Page 1 of 3

Project Number: 131042/1		Site and Location: Champion, Hobbes NM		Matrices: S = Soil Aq = Water A = Air, Bt = Bulk: W = Wipe Bt = Biota: OW = Oily Waste: O = Other		Requested Analyses:		No. 034340	
Sampler's Name(s): David Carstens									
Sampler's Signature(s):									
Sample Identification:		Date	Time	Matrix	Number of Containers		Remarks		
ESCSB-04-0'-2'		7/19/05	1545	Soil	1		Chloride		
ESCSB-04-5'-7'			1555		1		Total Chromium		
ESCSB-04-10'-12'			1605		1		pH		
ESCSB-04-15'-17'			1620		1				
ESCSB-04-20'-22'			1630		1				
ESCSB-03-0'-2'		7/20/05	1215		2		Preserved all		
ESCSB-03-5'-7'			1220		2		samples with		
ESCSB-03-10'-12'			1227		2		ice		
ESCSB-03-15'-17'			1235		2				
ESCSB-03-25'-27'			1255		2				
ESCSB-03-35'-37'			1310		2				
ESCSB-03-55'-57'			1410		2				
ESCSB-02-0'-2'			1500		2				
ESCSB-02-5'-7'			1515		2				
ESCSB-02-10'-12'			1520		2				
ESCSB-02-15'-17'			1530		2				
Relinquished by (Signature):		Date: 7/22	Time: 1430	Received by (Signature):		Laboratory Name: STL			
Relinquished by (Signature):		Date: 7/25/05	Time: 0800	Received by (Signature):		Laboratory Location: Arvada, CO			
Turn-Around Time: Normal		Tracking Number: 7900 9421 7815		Custody Seal Numbers: 618701, 618711		Method of Shipment: Fed Ex			
☐ Reston Office: 11911 Freedom Dr., # 900, Reston, VA 20190 Tel: (703) 709-6500, Fax: (703) 709-8505 ☐ Pittsburgh Office: 300 Corporate Center Dr., # 200, Moon Twp, PA 15108 Tel: (412) 604-1040, Fax: (412) 604-1055		☒ Denver Office: 4600 South Ulster, # 930, Denver, CO 80237 Tel: (303) 850-9200, Fax: (303) 850-9214 ☐ Minneapolis Office: 123 North 3rd St, #706, Minneapolis, MN 55401 Tel: (612) 343-0510, Fax: (612) 343-0506		ENVIRONMENTAL STRATEGIES CONSULTING LLC A QUANTA TECHNICAL SERVICES COMPANY 					

Project Number: 131042/1		Site and Location: Champion - Hobbs NM		Matrices: S = Soil; Aq = Water A = Air; Bu = Bulk; W = Waste; Bi = Biota; OW = Oil/Water; O = Other		Requested Analyses:	
Sampler's Name(s): David Carstens				Number of Containers:			
Sampler's Signature(s): 				Chloride Total Chromium pH			
Sample Identification:	Date	Time	Matrix	Remarks			
ESCSB-02-25'-27'	7/24/05	1540	Soil	2			
ESCSB-02-35'-37'		1550		2			
ESCSB-02-53'-55'		1610		2			
ESCSB-01-0'-2'	7/24/05	0840		2			
ESCSB-01-5'-7'		0850		2			
ESCSB-01-10'-12'		0855		2			
ESCSB-01-15'-17'		0905		2			
ESCSB-01-25'-27'		0915		2			
ESCSB-01-35'-37'		0930		2			
ESCSB-01-54'-56'		1000		2			
ESCSB-05-0'-2'		1035		2			
ESCSB-05-5'-7'		1045		2			
ESCSB-05-10'-12'		1055		2			
ESCSB-05-15'-17'		1105		2			
ESCSB-05-25'-27'		1120		2			
ESCSB-05-35'-37'		1135		2			
Relinquished by (Signature): 				Received by (Signature): 			
Relinquished by (Signature): 				Received by (Signature): 			
Turn-Around Time: Normal				Tracking Number: 7900 9421 7815			
☐ Reston Office: 11911 Freedom Dr, # 900, Reston, VA 20190 Tel: (703) 709-6500, Fax: (703) 709-8505 ☐ Pittsburgh Office: 300 Corporate Center Dr, # 200, Moon Twp, PA 15108 Tel: (412) 604-1040, Fax: (412) 604-1055				☒ Denver Office: 4600 South Ulster, # 930, Denver, CO 80237 Tel: (303) 850-9200, Fax: (303) 850-9214 ☐ Minneapolis Office: 123 North 3rd St, #706, Minneapolis, MN 55401 Tel: (612) 343-0510, Fax: (612) 343-0506			
Laboratory Name: STL Laboratory Location: Arvada CO Custody Seal Numbers: 018701, 018711 Method of Shipment: FedEx				ENVIRONMENTAL STRATEGIES CONSULTING LLC A QUANTA TECHNICAL SERVICES COMPANY 			

No. 036145

Preserved all
samples with
ice

Project Number: 131042/1		Site and Location: Champion - Hobbs NM		Matrices: S = Soil Aq = Water A = Air; Bu = Bulk; W = Wipe Bi = Biota; OW = Only Waste; O = Other		Requested Analysis:		No. 036146
Sampler's Name(s): David Carstens		Sampler's Signature(s): 						
Sample Identification: ESCB-05-55'-57'	Date: 7/21/05	Time: 1205	Matrix: Soil	Number of Containers: 2		Chloride Total Chromium pH		Remarks Preserved all samples with ice.
Relinquished by (Signature): 		Received by (Signature):		Laboratory Name: STL		Laboratory Location: Arvada Co		 ENVIRONMENTAL STRATEGIES CONSULTING LLC A QUANTA TECHNICAL SERVICES COMPANY
Relinquished by (Signature):		Received by (Signature): 		Custody Seal Numbers: 618701 & 618711		Method of Shipment: Fed Ex		
Turn-Around Time: Normal		Tracking Number: 7900 9421 7815						

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