



# TESTMARK Laboratories Ltd.

Committed to Quality and Service

## Analytical Report

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<b>Client:</b>	Elliot Sigal	<b>Work Order Number:</b>	<b>61648</b>
<b>Company:</b>	Intrinsic Environmental Sciences Inc.	<b>Date Order Received:</b>	08/07/08
<b>Address:</b>	6605 Hurontario Street, Suite 500 Mississauga, ON, L5T 0A3	<b>Regulation:</b>	Information not provided
<b>Phone:</b>	(905) 364-7800	<b>PO #:</b>	
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<b>Email:</b>	esigal@intrinsicscience.com		

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Analyses were performed on the following samples submitted with your order.  
The results relate only to the items tested.

Sample Name	Lab #	Matrix	Type	Comments	Date Collected	Time Collected
AA-DS	185353	Soil	None			
AW-DS	185354	Soil	None			
S-DS	185355	Soil	None			
R-DS	185356	Soil	None			
AJ2-DS	185357	Soil	None			
AJ-DS	185358	Soil	None			
P-DS	185359	Soil	None			
Y2-DS	185360	Soil	None			
Q-DS	185361	Soil	None			
AR-DS-1	185362	Soil	None			
J-DS	185363	Soil	None			
U-DS	185364	Soil	None			
Y-DS	185365	Soil	None			
AH-DS	185366	Soil	None			
Q2-DS	185367	Soil	None			
X-DS	185368	Soil	None			
C-DS	185369	Soil	None			
AG-DS	185370	Soil	None			
AK-DS	185371	Soil	None			
E-DS	185372	Soil	None			
AB-DS	185373	Soil	None			
AN-DS	185374	Soil	None			
F-DS	185375	Soil	None			
AO-DS	185376	Soil	None			
AY-DS	185377	Soil	None			
BC-DS	185378	Soil	None			
BB-DS	185379	Soil	None			
O-DS	185380	Soil	None			
L-DS	185381	Soil	None			
W-DS	185382	Soil	None			
AD-DS	185383	Soil	None			



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BD-DS	185384	Soil	None
K-DS	185385	Soil	None
AT-DS-1	185386	Soil	None
AC-DS	185387	Soil	None
AL-DS	185388	Soil	None
T-DS	185389	Soil	None
A-DS	185390	Soil	None
D-DS-1	185391	Soil	None
AS-DS	185392	Soil	None
N-DS-1	185393	Soil	None

## The following instrumentation and reference methods were used for your sample(s)

Method Name	Description	Reference
ICPMS Soil (mwave)	Determination of Metals in Soil by ICP/MS with Microwave Digest Instrument group: Perkin Elmer Elan 5000	Mod. SW846-6020

This report has been approved by:

Dr. Xiaojing Li  
Chief Chemist

Ryan Lawrence, B.Sc.  
Inorganic Section Head



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Work Order: 61648

## Sample Data:

Sample Name: AA-DS

Date:

Matrix: Soil

Lab #: 185353

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	6090	µg/g	20080820.R13E
Aluminum (Dup)	1.2	6340	µg/g	20080820.R13E
Antimony	0.12	<0.12	µg/g	20080820.R13E
Antimony (Dup)	0.12	<0.12	µg/g	20080820.R13E
Arsenic	0.12	30.3	µg/g	20080820.R13E
Arsenic (Dup)	0.12	28	µg/g	20080820.R13E
Barium	1.2	156	µg/g	20080820.R13E
Barium (Dup)	1.2	162	µg/g	20080820.R13E
Beryllium	0.12	0.17	µg/g	20080820.R13E
Beryllium (Dup)	0.12	0.21	µg/g	20080820.R13E
Bismuth	0.12	4.92	µg/g	20080820.R13E
Bismuth (Dup)	0.12	4.34	µg/g	20080820.R13E
Cadmium	0.012	9.93	µg/g	20080820.R13E
Cadmium (Dup)	0.012	10.5	µg/g	20080820.R13E
Calcium	61	29700	µg/g	20080820.R13E
Calcium (Dup)	60	31200	µg/g	20080820.R13E
Cerium	0.12	26.4	µg/g	20080820.R13E
Cerium (Dup)	0.12	28.2	µg/g	20080820.R13E
Cesium	0.12	0.69	µg/g	20080820.R13E
Cesium (Dup)	0.12	0.84	µg/g	20080820.R13E
Chromium	1.2	60.4	µg/g	20080820.R13E
Chromium (Dup)	1.2	64.6	µg/g	20080820.R13E
Cobalt	0.012	9.68	µg/g	20080820.R13E
Cobalt (Dup)	0.012	10.3	µg/g	20080820.R13E
Copper	1.2	981	µg/g	20080820.R13E
Copper (Dup)	1.2	1010	µg/g	20080820.R13E
Europium	0.12	0.31	µg/g	20080820.R13E
Europium (Dup)	0.12	0.31	µg/g	20080820.R13E
Gallium	0.12	6.34	µg/g	20080820.R13E
Gallium (Dup)	0.12	6.66	µg/g	20080820.R13E
Iron	24	14000	µg/g	20080820.R13E
Iron (Dup)	24	14600	µg/g	20080820.R13E
Lanthanum	0.12	15.1	µg/g	20080820.R13E
Lanthanum (Dup)	0.12	15.9	µg/g	20080820.R13E
Lead	0.12	111	µg/g	20080820.R13E
Lead (Dup)	0.12	108	µg/g	20080820.R13E
Lithium	0.61	9.53	µg/g	20080820.R13E
Lithium (Dup)	0.6	9.97	µg/g	20080820.R13E
Magnesium	4.8	10400	µg/g	20080820.R13E
Magnesium (Dup)	4.8	10800	µg/g	20080820.R13E
Manganese	1.2	231	µg/g	20080820.R13E
Manganese (Dup)	1.2	244	µg/g	20080820.R13E
Mercury	0.012	0.57	µg/g	20080820.R13E
Mercury (Dup)	0.012	0.579	µg/g	20080820.R13E

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AA-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185353**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Molybdenum	0.12	2.49	µg/g	20080820.R13E
Molybdenum (Dup)	0.12	2.66	µg/g	20080820.R13E
Nickel	1.2	44.2	µg/g	20080820.R13E
Nickel (Dup)	1.2	50.8	µg/g	20080820.R13E
Niobium	0.12	1.1	µg/g	20080820.R13E
Niobium (Dup)	0.12	1.34	µg/g	20080820.R13E
Phosphorus	61	1010	µg/g	20080820.R13E
Phosphorus (Dup)	60	1050	µg/g	20080820.R13E
Rubidium	0.12	17.4	µg/g	20080820.R13E
Rubidium (Dup)	0.12	17.4	µg/g	20080820.R13E
Scandium	0.12	5.72	µg/g	20080820.R13E
Scandium (Dup)	0.12	6.85	µg/g	20080820.R13E
Selenium	0.12	2.55	µg/g	20080820.R13E
Selenium (Dup)	0.12	2.78	µg/g	20080820.R13E
Silver	0.12	1.95	µg/g	20080820.R13E
Silver (Dup)	0.12	7.36	µg/g	20080820.R13E
Strontium	1.2	337	µg/g	20080820.R13E
Strontium (Dup)	1.2	345	µg/g	20080820.R13E
Thallium	0.12	0.15	µg/g	20080820.R13E
Thallium (Dup)	0.12	0.14	µg/g	20080820.R13E
Thorium	0.12	6.37	µg/g	20080820.R13E
Thorium (Dup)	0.12	5.75	µg/g	20080820.R13E
Tin	0.12	6.83	µg/g	20080820.R13E
Tin (Dup)	0.12	6.38	µg/g	20080820.R13E
Titanium	1.2	488	µg/g	20080820.R13E
Titanium (Dup)	1.2	529	µg/g	20080820.R13E
Tungsten	0.12	<0.12	µg/g	20080820.R13E
Tungsten (Dup)	0.12	<0.12	µg/g	20080820.R13E
Uranium	0.12	0.78	µg/g	20080820.R13E
Uranium (Dup)	0.12	0.75	µg/g	20080820.R13E
Vanadium	1.2	27.7	µg/g	20080820.R13E
Vanadium (Dup)	1.2	30.3	µg/g	20080820.R13E
Yttrium	0.12	5.49	µg/g	20080820.R13E
Yttrium (Dup)	0.12	5.91	µg/g	20080820.R13E
Zinc	1.2	1320	µg/g	20080820.R13E
Zinc (Dup)	1.2	1370	µg/g	20080820.R13E
Zirconium	1.2	377	µg/g	20080820.R13E
Zirconium (Dup)	1.2	423	µg/g	20080820.R13E

**Sample Name: AW-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185354**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	6580	µg/g	20080820.R13E
Antimony	0.11	<0.11	µg/g	20080820.R13E
Arsenic	1.1	48.9	µg/g	20080820.R13E

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**Sample Name: AW-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185354**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	1.1	149	µg/g	20080820.R13E
Beryllium	0.11	0.19	µg/g	20080820.R13E
Bismuth	0.11	12.7	µg/g	20080820.R13E
Cadmium	0.011	8.84	µg/g	20080820.R13E
Calcium	56	22000	µg/g	20080820.R13E
Cerium	0.11	22.3	µg/g	20080820.R13E
Cesium	0.11	0.56	µg/g	20080820.R13E
Chromium	1.1	66.2	µg/g	20080820.R13E
Cobalt	0.011	11.4	µg/g	20080820.R13E
Copper	1.1	926	µg/g	20080820.R13E
Europium	0.11	0.32	µg/g	20080820.R13E
Gallium	0.11	7.05	µg/g	20080820.R13E
Iron	23	16900	µg/g	20080820.R13E
Lanthanum	0.11	12.1	µg/g	20080820.R13E
Lead	0.11	74.2	µg/g	20080820.R13E
Lithium	0.56	9.91	µg/g	20080820.R13E
Magnesium	4.5	9390	µg/g	20080820.R13E
Manganese	1.1	252	µg/g	20080820.R13E
Mercury	0.011	0.624	µg/g	20080820.R13E
Molybdenum	0.11	2.42	µg/g	20080820.R13E
Nickel	1.1	29.5	µg/g	20080820.R13E
Niobium	0.11	1	µg/g	20080820.R13E
Phosphorus	56	1920	µg/g	20080820.R13E
Rubidium	0.11	12.8	µg/g	20080820.R13E
Scandium	0.11	9.37	µg/g	20080820.R13E
Selenium	0.11	4.62	µg/g	20080820.R13E
Silver	0.11	1.91	µg/g	20080820.R13E
Strontium	1.1	47.9	µg/g	20080820.R13E
Thallium	0.11	0.16	µg/g	20080820.R13E
Thorium	0.11	6.06	µg/g	20080820.R13E
Tin	0.11	13.3	µg/g	20080820.R13E
Titanium	1.1	519	µg/g	20080820.R13E
Tungsten	0.11	0.37	µg/g	20080820.R13E
Uranium	0.11	0.93	µg/g	20080820.R13E
Vanadium	1.1	32.6	µg/g	20080820.R13E
Yttrium	0.11	6.81	µg/g	20080820.R13E
Zinc	1.1	1390	µg/g	20080820.R13E
Zirconium	1.1	648	µg/g	20080820.R13E

**Sample Name: S-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185355**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	2.8	8240	µg/g	20080820.R13E
Antimony	0.28	<0.28	µg/g	20080820.R13E
Arsenic	0.28	31.6	µg/g	20080820.R13E

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**Sample Name: S-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185355**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	0.28	201	µg/g	20080820.R13E
Beryllium	0.28	<0.28	µg/g	20080820.R13E
Bismuth	0.28	3.43	µg/g	20080820.R13E
Cadmium	0.028	13.5	µg/g	20080820.R13E
Calcium	140	17000	µg/g	20080820.R13E
Cerium	0.28	62.9	µg/g	20080820.R13E
Cesium	0.28	0.46	µg/g	20080820.R13E
Chromium	0.28	53	µg/g	20080820.R13E
Cobalt	0.028	7.75	µg/g	20080820.R13E
Copper	2.8	741	µg/g	20080820.R13E
Europium	0.28	<0.28	µg/g	20080820.R13E
Gallium	0.28	7.94	µg/g	20080820.R13E
Iron	56	9960	µg/g	20080820.R13E
Lanthanum	0.28	38.1	µg/g	20080820.R13E
Lead	2.8	422	µg/g	20080820.R13E
Lithium	1.4	9.2	µg/g	20080820.R13E
Magnesium	11	6130	µg/g	20080820.R13E
Manganese	2.8	216	µg/g	20080820.R13E
Mercury	0.028	0.403	µg/g	20080820.R13E
Molybdenum	0.28	3.49	µg/g	20080820.R13E
Nickel	0.28	52.7	µg/g	20080820.R13E
Niobium	0.28	1.9	µg/g	20080820.R13E
Phosphorus	140	1760	µg/g	20080820.R13E
Rubidium	0.28	11.5	µg/g	20080820.R13E
Scandium	0.28	9.28	µg/g	20080820.R13E
Selenium	0.28	1.5	µg/g	20080820.R13E
Silver	0.28	1.6	µg/g	20080820.R13E
Strontium	2.8	63.6	µg/g	20080820.R13E
Thallium	0.28	<0.28	µg/g	20080820.R13E
Thorium	0.28	7.81	µg/g	20080820.R13E
Tin	0.28	16.5	µg/g	20080820.R13E
Titanium	2.8	451	µg/g	20080820.R13E
Tungsten	0.28	<0.28	µg/g	20080820.R13E
Uranium	0.28	1.1	µg/g	20080820.R13E
Vanadium	0.28	23.9	µg/g	20080820.R13E
Yttrium	0.28	6.04	µg/g	20080820.R13E
Zinc	2.8	1110	µg/g	20080820.R13E
Zirconium	2.8	891	µg/g	20080820.R13E

**Sample Name: R-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185356**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	2.3	6970	µg/g	20080820.R13E
Antimony	0.23	<0.23	µg/g	20080820.R13E
Arsenic	0.23	57.2	µg/g	20080820.R13E

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Work Order: 61648

**Sample Name: R-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185356**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	0.23	211	µg/g	20080820.R13E
Beryllium	0.23	<0.23	µg/g	20080820.R13E
Bismuth	0.23	4.45	µg/g	20080820.R13E
Cadmium	0.023	21.9	µg/g	20080820.R13E
Calcium	110	18800	µg/g	20080820.R13E
Cerium	0.23	21.2	µg/g	20080820.R13E
Cesium	0.23	0.69	µg/g	20080820.R13E
Chromium	2.3	61.9	µg/g	20080820.R13E
Cobalt	0.023	12.6	µg/g	20080820.R13E
Copper	2.3	2880	µg/g	20080820.R13E
Europium	0.23	0.33	µg/g	20080820.R13E
Gallium	0.23	8.51	µg/g	20080820.R13E
Iron	45	17800	µg/g	20080820.R13E
Lanthanum	0.23	10.8	µg/g	20080820.R13E
Lead	0.23	175	µg/g	20080820.R13E
Lithium	1.1	9.3	µg/g	20080820.R13E
Magnesium	9.1	9290	µg/g	20080820.R13E
Manganese	2.3	235	µg/g	20080820.R13E
Mercury	0.023	1.19	µg/g	20080820.R13E
Molybdenum	0.23	6.46	µg/g	20080820.R13E
Nickel	0.23	42.6	µg/g	20080820.R13E
Niobium	0.23	1.4	µg/g	20080820.R13E
Phosphorus	110	1830	µg/g	20080820.R13E
Rubidium	0.23	15.2	µg/g	20080820.R13E
Scandium	0.23	7.86	µg/g	20080820.R13E
Selenium	0.23	5.23	µg/g	20080820.R13E
Silver	0.23	5.03	µg/g	20080820.R13E
Strontium	2.3	50	µg/g	20080820.R13E
Thallium	0.23	<0.23	µg/g	20080820.R13E
Thorium	0.23	5.93	µg/g	20080820.R13E
Tin	0.23	11.5	µg/g	20080820.R13E
Titanium	2.3	529	µg/g	20080820.R13E
Tungsten	0.23	<0.23	µg/g	20080820.R13E
Uranium	0.23	0.98	µg/g	20080820.R13E
Vanadium	0.23	27.1	µg/g	20080820.R13E
Yttrium	0.23	5.57	µg/g	20080820.R13E
Zinc	2.3	2830	µg/g	20080820.R13E
Zirconium	2.3	396	µg/g	20080820.R13E

**Sample Name: AJ2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185357**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	6440	µg/g	20080820.R13E
Antimony	0.12	<0.12	µg/g	20080820.R13E
Arsenic	1.2	41.9	µg/g	20080820.R13E

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Work Order: 61648

**Sample Name: AJ2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185357**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	1.2	312	µg/g	20080820.R13E
Beryllium	0.12	0.17	µg/g	20080820.R13E
Bismuth	0.12	4.81	µg/g	20080820.R13E
Cadmium	0.012	14.4	µg/g	20080820.R13E
Calcium	61	23900	µg/g	20080820.R13E
Cerium	0.12	23.2	µg/g	20080820.R13E
Cesium	0.12	0.68	µg/g	20080820.R13E
Chromium	1.2	70.7	µg/g	20080820.R13E
Cobalt	0.012	13	µg/g	20080820.R13E
Copper	1.2	1840	µg/g	20080820.R13E
Europium	0.12	0.34	µg/g	20080820.R13E
Gallium	0.12	10.9	µg/g	20080820.R13E
Iron	24	17000	µg/g	20080820.R13E
Lanthanum	0.12	12.4	µg/g	20080820.R13E
Lead	1.2	200	µg/g	20080820.R13E
Lithium	0.61	42.7	µg/g	20080820.R13E
Magnesium	4.9	8790	µg/g	20080820.R13E
Manganese	1.2	247	µg/g	20080820.R13E
Mercury	0.012	2.85	µg/g	20080820.R13E
Molybdenum	0.12	5.46	µg/g	20080820.R13E
Nickel	1.2	60.7	µg/g	20080820.R13E
Niobium	0.12	0.37	µg/g	20080820.R13E
Phosphorus	61	1320	µg/g	20080820.R13E
Rubidium	0.12	16	µg/g	20080820.R13E
Scandium	0.12	7.07	µg/g	20080820.R13E
Selenium	0.12	6.73	µg/g	20080820.R13E
Silver	0.12	3.29	µg/g	20080820.R13E
Strontium	1.2	46.7	µg/g	20080820.R13E
Thallium	0.12	0.19	µg/g	20080820.R13E
Thorium	0.12	6.19	µg/g	20080820.R13E
Tin	0.12	8.79	µg/g	20080820.R13E
Titanium	1.2	670	µg/g	20080820.R13E
Tungsten	0.12	<0.12	µg/g	20080820.R13E
Uranium	0.12	0.9	µg/g	20080820.R13E
Vanadium	1.2	32.8	µg/g	20080820.R13E
Yttrium	0.12	6.18	µg/g	20080820.R13E
Zinc	1.2	2820	µg/g	20080820.R13E
Zirconium	1.2	164	µg/g	20080820.R13E

**Sample Name: AJ-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185358**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.3	6450	µg/g	20080820.R13E
Antimony	0.13	<0.13	µg/g	20080820.R13E
Arsenic	1.3	42.5	µg/g	20080820.R13E

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Work Order: 61648

**Sample Name: AJ-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185358**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	1.3	348	µg/g	20080820.R13E
Beryllium	0.13	0.2	µg/g	20080820.R13E
Bismuth	0.13	4.74	µg/g	20080820.R13E
Cadmium	0.013	14.9	µg/g	20080820.R13E
Calcium	66	23200	µg/g	20080820.R13E
Cerium	0.13	23.8	µg/g	20080820.R13E
Cesium	0.13	0.65	µg/g	20080820.R13E
Chromium	1.3	65.4	µg/g	20080820.R13E
Cobalt	0.013	13.1	µg/g	20080820.R13E
Copper	1.3	1850	µg/g	20080820.R13E
Europium	0.13	0.38	µg/g	20080820.R13E
Gallium	0.13	11.8	µg/g	20080820.R13E
Iron	26	17000	µg/g	20080820.R13E
Lanthanum	0.13	12.6	µg/g	20080820.R13E
Lead	1.3	186	µg/g	20080820.R13E
Lithium	0.66	43.2	µg/g	20080820.R13E
Magnesium	5.3	8840	µg/g	20080820.R13E
Manganese	1.3	247	µg/g	20080820.R13E
Mercury	0.013	2.45	µg/g	20080820.R13E
Molybdenum	0.13	6.09	µg/g	20080820.R13E
Nickel	1.3	56.6	µg/g	20080820.R13E
Niobium	0.13	0.73	µg/g	20080820.R13E
Phosphorus	66	1260	µg/g	20080820.R13E
Rubidium	0.13	15.3	µg/g	20080820.R13E
Scandium	0.13	8.22	µg/g	20080820.R13E
Selenium	0.13	6.46	µg/g	20080820.R13E
Silver	0.13	4.98	µg/g	20080820.R13E
Strontium	1.3	47	µg/g	20080820.R13E
Thallium	0.13	0.17	µg/g	20080820.R13E
Thorium	0.13	6.96	µg/g	20080820.R13E
Tin	0.13	8.47	µg/g	20080820.R13E
Titanium	1.3	663	µg/g	20080820.R13E
Tungsten	0.13	<0.13	µg/g	20080820.R13E
Uranium	0.13	0.91	µg/g	20080820.R13E
Vanadium	1.3	32.2	µg/g	20080820.R13E
Yttrium	0.13	6.74	µg/g	20080820.R13E
Zinc	1.3	2680	µg/g	20080820.R13E
Zirconium	1.3	256	µg/g	20080820.R13E

**Sample Name: P-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185359**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	6770	µg/g	20080820.R13E
Antimony	0.12	<0.12	µg/g	20080820.R13E
Arsenic	1.2	39.7	µg/g	20080820.R13E

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Work Order: 61648

**Sample Name: P-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185359**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	1.2	754	µg/g	20080820.R13E
Beryllium	0.12	0.16	µg/g	20080820.R13E
Bismuth	0.12	4.64	µg/g	20080820.R13E
Cadmium	0.012	15.9	µg/g	20080820.R13E
Calcium	62	23200	µg/g	20080820.R13E
Cerium	0.12	20.4	µg/g	20080820.R13E
Cesium	0.12	0.52	µg/g	20080820.R13E
Chromium	1.2	90.2	µg/g	20080820.R13E
Cobalt	0.012	10.9	µg/g	20080820.R13E
Copper	1.2	2260	µg/g	20080820.R13E
Europium	0.12	0.41	µg/g	20080820.R13E
Gallium	0.12	20.7	µg/g	20080820.R13E
Iron	25	17200	µg/g	20080820.R13E
Lanthanum	0.12	10.4	µg/g	20080820.R13E
Lead	0.12	123	µg/g	20080820.R13E
Lithium	0.62	10.2	µg/g	20080820.R13E
Magnesium	5	9490	µg/g	20080820.R13E
Manganese	1.2	243	µg/g	20080820.R13E
Mercury	0.012	1.07	µg/g	20080820.R13E
Molybdenum	0.12	6.23	µg/g	20080820.R13E
Nickel	1.2	63.1	µg/g	20080820.R13E
Niobium	0.12	0.81	µg/g	20080820.R13E
Phosphorus	62	1060	µg/g	20080820.R13E
Rubidium	0.12	14.1	µg/g	20080820.R13E
Scandium	0.12	7.42	µg/g	20080820.R13E
Selenium	0.12	4.98	µg/g	20080820.R13E
Silver	0.12	2.62	µg/g	20080820.R13E
Strontium	1.2	56.4	µg/g	20080820.R13E
Thallium	0.12	0.16	µg/g	20080820.R13E
Thorium	0.12	6.32	µg/g	20080820.R13E
Tin	0.12	36	µg/g	20080820.R13E
Titanium	1.2	599	µg/g	20080820.R13E
Tungsten	0.12	2.45	µg/g	20080820.R13E
Uranium	0.12	0.84	µg/g	20080820.R13E
Vanadium	1.2	29.9	µg/g	20080820.R13E
Yttrium	0.12	6.08	µg/g	20080820.R13E
Zinc	1.2	2170	µg/g	20080820.R13E
Zirconium	1.2	653	µg/g	20080820.R13E

**Sample Name: Y2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185360**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	0.7	3160	µg/g	20080820.R13E
Antimony	0.07	<0.07	µg/g	20080820.R13E
Arsenic	0.7	36.8	µg/g	20080820.R13E

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**Sample Name: Y2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185360**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Barium	0.7	163	µg/g	20080820.R13E
Beryllium	0.07	0.097	µg/g	20080820.R13E
Bismuth	0.07	3.03	µg/g	20080820.R13E
Cadmium	0.007	10.7	µg/g	20080820.R13E
Calcium	35	16600	µg/g	20080820.R13E
Cerium	0.07	8.11	µg/g	20080820.R13E
Cesium	0.07	0.29	µg/g	20080820.R13E
Chromium	0.7	35.6	µg/g	20080820.R13E
Cobalt	0.007	9.89	µg/g	20080820.R13E
Copper	0.7	1710	µg/g	20080820.R13E
Europium	0.07	0.19	µg/g	20080820.R13E
Gallium	0.07	5.73	µg/g	20080820.R13E
Iron	14	11500	µg/g	20080820.R13E
Lanthanum	0.07	4.03	µg/g	20080820.R13E
Lead	0.7	112	µg/g	20080820.R13E
Lithium	0.35	5.4	µg/g	20080820.R13E
Magnesium	2.8	6140	µg/g	20080820.R13E
Manganese	0.7	172	µg/g	20080820.R13E
Mercury	0.007	2.66	µg/g	20080820.R13E
Molybdenum	0.07	4.47	µg/g	20080820.R13E
Nickel	0.7	20.5	µg/g	20080820.R13E
Niobium	0.07	0.16	µg/g	20080820.R13E
Phosphorus	35	918	µg/g	20080820.R13E
Rubidium	0.07	8.2	µg/g	20080820.R13E
Scandium	0.07	3.59	µg/g	20080820.R13E
Selenium	0.07	6.62	µg/g	20080820.R13E
Silver	0.07	1.93	µg/g	20080820.R13E
Strontium	0.7	46	µg/g	20080820.R13E
Thallium	0.07	0.12	µg/g	20080820.R13E
Thorium	0.07	1.94	µg/g	20080820.R13E
Tin	0.07	15.5	µg/g	20080820.R13E
Titanium	0.7	295	µg/g	20080820.R13E
Tungsten	0.07	<0.07	µg/g	20080820.R13E
Uranium	0.07	0.39	µg/g	20080820.R13E
Vanadium	0.7	16.5	µg/g	20080820.R13E
Yttrium	0.07	3.02	µg/g	20080820.R13E
Zinc	0.7	1650	µg/g	20080820.R13E
Zirconium	0.7	78.6	µg/g	20080820.R13E

**Sample Name: Q-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185361**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	5830	µg/g	20080820.R13F
Aluminum (Dup)	1.1	5760	µg/g	20080820.R13F
Antimony	0.11	<0.11	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: Q-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185361**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Antimony (Dup)	0.11	<0.11	µg/g	20080820.R13F
Arsenic	1.1	35.7	µg/g	20080820.R13F
Arsenic (Dup)	1.1	34.5	µg/g	20080820.R13F
Barium	1.1	213	µg/g	20080820.R13F
Barium (Dup)	1.1	216	µg/g	20080820.R13F
Beryllium	0.11	0.18	µg/g	20080820.R13F
Beryllium (Dup)	0.11	0.18	µg/g	20080820.R13F
Bismuth	0.11	2.35	µg/g	20080820.R13F
Bismuth (Dup)	0.11	2.16	µg/g	20080820.R13F
Cadmium	0.011	14.9	µg/g	20080820.R13F
Cadmium (Dup)	0.011	15.2	µg/g	20080820.R13F
Calcium	55	23400	µg/g	20080820.R13F
Calcium (Dup)	56	23300	µg/g	20080820.R13F
Cerium	0.11	80	µg/g	20080820.R13F
Cerium (Dup)	0.11	71.8	µg/g	20080820.R13F
Cesium	0.11	0.53	µg/g	20080820.R13F
Cesium (Dup)	0.11	0.51	µg/g	20080820.R13F
Chromium	1.1	81.9	µg/g	20080820.R13F
Chromium (Dup)	1.1	82.9	µg/g	20080820.R13F
Cobalt	0.011	12.9	µg/g	20080820.R13F
Cobalt (Dup)	0.011	12.7	µg/g	20080820.R13F
Copper	1.1	1290	µg/g	20080820.R13F
Copper (Dup)	1.1	1300	µg/g	20080820.R13F
Europium	0.11	0.23	µg/g	20080820.R13F
Europium (Dup)	0.11	0.23	µg/g	20080820.R13F
Gallium	0.11	7.84	µg/g	20080820.R13F
Gallium (Dup)	0.11	8.03	µg/g	20080820.R13F
Iron	22	15100	µg/g	20080820.R13F
Iron (Dup)	23	15200	µg/g	20080820.R13F
Lanthanum	0.11	53.8	µg/g	20080820.R13F
Lanthanum (Dup)	0.11	47.9	µg/g	20080820.R13F
Lead	1.1	258	µg/g	20080820.R13F
Lead (Dup)	1.1	255	µg/g	20080820.R13F
Lithium	0.55	8.75	µg/g	20080820.R13F
Lithium (Dup)	0.56	9.51	µg/g	20080820.R13F
Magnesium	4.4	9160	µg/g	20080820.R13F
Magnesium (Dup)	4.5	8890	µg/g	20080820.R13F
Manganese	1.1	228	µg/g	20080820.R13F
Manganese (Dup)	1.1	229	µg/g	20080820.R13F
Mercury	0.011	2.82	µg/g	20080820.R13F
Mercury (Dup)	0.011	2.8	µg/g	20080820.R13F
Molybdenum	1.1	38.5	µg/g	20080820.R13F
Molybdenum (Dup)	1.1	37.8	µg/g	20080820.R13F
Nickel	1.1	65.3	µg/g	20080820.R13F
Nickel (Dup)	1.1	61.3	µg/g	20080820.R13F
Niobium	0.11	0.61	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: Q-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185361**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Niobium (Dup)	0.11	0.44	µg/g	20080820.R13F
Phosphorus	55	1540	µg/g	20080820.R13F
Phosphorus (Dup)	56	1460	µg/g	20080820.R13F
Rubidium	0.11	12.9	µg/g	20080820.R13F
Rubidium (Dup)	0.11	13.7	µg/g	20080820.R13F
Scandium	0.11	4.58	µg/g	20080820.R13F
Scandium (Dup)	0.11	4.6	µg/g	20080820.R13F
Selenium	0.11	5.11	µg/g	20080820.R13F
Selenium (Dup)	0.11	5.54	µg/g	20080820.R13F
Silver	0.11	4.31	µg/g	20080820.R13F
Silver (Dup)	0.11	3.86	µg/g	20080820.R13F
Strontium	1.1	50.8	µg/g	20080820.R13F
Strontium (Dup)	1.1	52.1	µg/g	20080820.R13F
Thallium	0.11	0.15	µg/g	20080820.R13F
Thallium (Dup)	0.11	0.14	µg/g	20080820.R13F
Thorium	0.11	4.68	µg/g	20080820.R13F
Thorium (Dup)	0.11	3.65	µg/g	20080820.R13F
Tin	0.11	11	µg/g	20080820.R13F
Tin (Dup)	0.11	11.5	µg/g	20080820.R13F
Titanium	1.1	445	µg/g	20080820.R13F
Titanium (Dup)	1.1	429	µg/g	20080820.R13F
Tungsten	1.1	33	µg/g	20080820.R13F
Tungsten (Dup)	1.1	34.3	µg/g	20080820.R13F
Uranium	0.11	0.89	µg/g	20080820.R13F
Uranium (Dup)	0.11	0.66	µg/g	20080820.R13F
Vanadium	0.11	22	µg/g	20080820.R13F
Vanadium (Dup)	1.1	22.6	µg/g	20080820.R13F
Yttrium	0.11	3.77	µg/g	20080820.R13F
Yttrium (Dup)	0.11	3.92	µg/g	20080820.R13F
Zinc	1.1	2950	µg/g	20080820.R13F
Zinc (Dup)	1.1	2940	µg/g	20080820.R13F
Zirconium	1.1	749	µg/g	20080820.R13F
Zirconium (Dup)	1.1	656	µg/g	20080820.R13F

**Sample Name: AR-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185362**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	2.3	6620	µg/g	20080820.R13F
Antimony	0.23	<0.23	µg/g	20080820.R13F
Arsenic	0.23	32.8	µg/g	20080820.R13F
Barium	2.3	335	µg/g	20080820.R13F
Beryllium	0.23	0.36	µg/g	20080820.R13F
Bismuth	0.23	2.37	µg/g	20080820.R13F
Cadmium	0.023	14	µg/g	20080820.R13F
Calcium	110	59800	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: AR-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185362**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.23	38.3	µg/g	20080820.R13F
Cesium	0.23	0.45	µg/g	20080820.R13F
Chromium	2.3	105	µg/g	20080820.R13F
Cobalt	0.023	9.79	µg/g	20080820.R13F
Copper	2.3	1460	µg/g	20080820.R13F
Europium	0.23	0.33	µg/g	20080820.R13F
Gallium	0.23	10.2	µg/g	20080820.R13F
Iron	46	9530	µg/g	20080820.R13F
Lanthanum	0.23	21.6	µg/g	20080820.R13F
Lead	2.3	606	µg/g	20080820.R13F
Lithium	1.1	13.1	µg/g	20080820.R13F
Magnesium	9.1	18500	µg/g	20080820.R13F
Manganese	2.3	239	µg/g	20080820.R13F
Mercury	0.023	2.59	µg/g	20080820.R13F
Molybdenum	0.23	4.82	µg/g	20080820.R13F
Nickel	0.23	32.7	µg/g	20080820.R13F
Niobium	0.23	0.43	µg/g	20080820.R13F
Phosphorus	110	1890	µg/g	20080820.R13F
Rubidium	0.23	11.2	µg/g	20080820.R13F
Scandium	0.23	3.94	µg/g	20080820.R13F
Selenium	0.23	3.35	µg/g	20080820.R13F
Silver	0.23	1.8	µg/g	20080820.R13F
Strontium	2.3	467	µg/g	20080820.R13F
Thallium	0.23	<0.23	µg/g	20080820.R13F
Thorium	0.23	11	µg/g	20080820.R13F
Tin	0.23	12.1	µg/g	20080820.R13F
Titanium	2.3	244	µg/g	20080820.R13F
Tungsten	0.23	5.36	µg/g	20080820.R13F
Uranium	0.23	2.29	µg/g	20080820.R13F
Vanadium	0.23	18.2	µg/g	20080820.R13F
Yttrium	0.23	9.1	µg/g	20080820.R13F
Zinc	2.3	1860	µg/g	20080820.R13F
Zirconium	2.3	559	µg/g	20080820.R13F

**Sample Name: J-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185363**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	2.7	6330	µg/g	20080820.R13F
Antimony	0.27	<0.27	µg/g	20080820.R13F
Arsenic	0.27	34.3	µg/g	20080820.R13F
Barium	0.27	179	µg/g	20080820.R13F
Beryllium	0.27	<0.27	µg/g	20080820.R13F
Bismuth	0.27	6.33	µg/g	20080820.R13F
Cadmium	0.027	11.2	µg/g	20080820.R13F
Calcium	140	26300	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: J-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185363**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.27	23	µg/g	20080820.R13F
Cesium	0.27	0.43	µg/g	20080820.R13F
Chromium	2.7	66.6	µg/g	20080820.R13F
Cobalt	0.027	9.23	µg/g	20080820.R13F
Copper	2.7	1630	µg/g	20080820.R13F
Europium	0.27	<0.27	µg/g	20080820.R13F
Gallium	0.27	6.56	µg/g	20080820.R13F
Iron	54	9760	µg/g	20080820.R13F
Lanthanum	0.27	11.9	µg/g	20080820.R13F
Lead	0.27	149	µg/g	20080820.R13F
Lithium	1.4	8.8	µg/g	20080820.R13F
Magnesium	11	10400	µg/g	20080820.R13F
Manganese	2.7	177	µg/g	20080820.R13F
Mercury	0.027	1.42	µg/g	20080820.R13F
Molybdenum	0.27	3.92	µg/g	20080820.R13F
Nickel	0.27	37.8	µg/g	20080820.R13F
Niobium	0.27	0.95	µg/g	20080820.R13F
Phosphorus	14	1240	µg/g	20080820.R13F
Rubidium	0.27	10.4	µg/g	20080820.R13F
Scandium	0.27	4.75	µg/g	20080820.R13F
Selenium	0.27	2.97	µg/g	20080820.R13F
Silver	0.27	4.8	µg/g	20080820.R13F
Strontium	2.7	163	µg/g	20080820.R13F
Thallium	0.27	<0.27	µg/g	20080820.R13F
Thorium	0.27	5.93	µg/g	20080820.R13F
Tin	0.27	22.4	µg/g	20080820.R13F
Titanium	2.7	379	µg/g	20080820.R13F
Tungsten	0.27	1.2	µg/g	20080820.R13F
Uranium	0.27	0.75	µg/g	20080820.R13F
Vanadium	0.27	20	µg/g	20080820.R13F
Yttrium	0.27	4.95	µg/g	20080820.R13F
Zinc	2.7	1860	µg/g	20080820.R13F
Zirconium	2.7	1660	µg/g	20080820.R13F

**Sample Name: U-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185364**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	5560	µg/g	20080820.R13F
Antimony	0.11	<0.11	µg/g	20080820.R13F
Arsenic	1.1	37	µg/g	20080820.R13F
Barium	1.1	184	µg/g	20080820.R13F
Beryllium	0.11	0.15	µg/g	20080820.R13F
Bismuth	0.11	5.45	µg/g	20080820.R13F
Cadmium	0.011	10.8	µg/g	20080820.R13F
Calcium	54	20000	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: U-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185364**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.11	21.1	µg/g	20080820.R13F
Cesium	0.11	0.47	µg/g	20080820.R13F
Chromium	1.1	99.4	µg/g	20080820.R13F
Cobalt	0.011	10.1	µg/g	20080820.R13F
Copper	1.1	1120	µg/g	20080820.R13F
Europium	0.11	0.25	µg/g	20080820.R13F
Gallium	0.11	6.56	µg/g	20080820.R13F
Iron	22	11300	µg/g	20080820.R13F
Lanthanum	0.11	11.6	µg/g	20080820.R13F
Lead	0.11	92.6	µg/g	20080820.R13F
Lithium	0.54	8.27	µg/g	20080820.R13F
Magnesium	4.3	7450	µg/g	20080820.R13F
Manganese	1.1	183	µg/g	20080820.R13F
Mercury	0.011	0.746	µg/g	20080820.R13F
Molybdenum	0.11	3.5	µg/g	20080820.R13F
Nickel	1.1	43.6	µg/g	20080820.R13F
Niobium	0.11	0.22	µg/g	20080820.R13F
Phosphorus	54	2370	µg/g	20080820.R13F
Rubidium	0.11	12	µg/g	20080820.R13F
Scandium	0.11	3.91	µg/g	20080820.R13F
Selenium	0.11	2.5	µg/g	20080820.R13F
Silver	0.11	2.25	µg/g	20080820.R13F
Strontium	1.1	63.2	µg/g	20080820.R13F
Thallium	0.11	0.12	µg/g	20080820.R13F
Thorium	0.11	2.89	µg/g	20080820.R13F
Tin	0.11	9.31	µg/g	20080820.R13F
Titanium	1.1	393	µg/g	20080820.R13F
Tungsten	0.11	0.52	µg/g	20080820.R13F
Uranium	0.11	0.7	µg/g	20080820.R13F
Vanadium	0.11	20.8	µg/g	20080820.R13F
Yttrium	0.11	4.42	µg/g	20080820.R13F
Zinc	1.1	1660	µg/g	20080820.R13F
Zirconium	1.1	254	µg/g	20080820.R13F

**Sample Name: Y-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185365**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1	6080	µg/g	20080820.R13F
Antimony	0.1	<0.1	µg/g	20080820.R13F
Arsenic	1	56.3	µg/g	20080820.R13F
Barium	1	249	µg/g	20080820.R13F
Beryllium	0.1	0.17	µg/g	20080820.R13F
Bismuth	0.1	4.27	µg/g	20080820.R13F
Cadmium	0.01	16.4	µg/g	20080820.R13F
Calcium	51	28500	µg/g	20080820.R13F





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Work Order: 61648

**Sample Name: Y-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185365**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.1	14.4	µg/g	20080820.R13F
Cesium	0.1	0.56	µg/g	20080820.R13F
Chromium	1	62.2	µg/g	20080820.R13F
Cobalt	0.01	15.2	µg/g	20080820.R13F
Copper	1	2610	µg/g	20080820.R13F
Europium	0.1	0.35	µg/g	20080820.R13F
Gallium	0.1	9.32	µg/g	20080820.R13F
Iron	20	18900	µg/g	20080820.R13F
Lanthanum	0.1	7.34	µg/g	20080820.R13F
Lead	1	164	µg/g	20080820.R13F
Lithium	0.51	10.1	µg/g	20080820.R13F
Magnesium	4	10400	µg/g	20080820.R13F
Manganese	1	295	µg/g	20080820.R13F
Mercury	0.01	4.57	µg/g	20080820.R13F
Molybdenum	0.1	7.33	µg/g	20080820.R13F
Nickel	1	32.3	µg/g	20080820.R13F
Niobium	0.1	1.04	µg/g	20080820.R13F
Phosphorus	51	1640	µg/g	20080820.R13F
Rubidium	0.1	13.3	µg/g	20080820.R13F
Scandium	0.1	5.92	µg/g	20080820.R13F
Selenium	0.1	9.97	µg/g	20080820.R13F
Silver	0.1	7.1	µg/g	20080820.R13F
Strontium	1	80.8	µg/g	20080820.R13F
Thallium	0.1	0.19	µg/g	20080820.R13F
Thorium	0.1	3.97	µg/g	20080820.R13F
Tin	0.1	31.2	µg/g	20080820.R13F
Titanium	1	565	µg/g	20080820.R13F
Tungsten	0.1	0.57	µg/g	20080820.R13F
Uranium	0.1	0.68	µg/g	20080820.R13F
Vanadium	1	31	µg/g	20080820.R13F
Yttrium	0.1	5.28	µg/g	20080820.R13F
Zinc	1	2550	µg/g	20080820.R13F
Zirconium	1	389	µg/g	20080820.R13F

**Sample Name: AH-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185366**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	8190	µg/g	20080820.R13F
Antimony	0.12	<0.12	µg/g	20080820.R13F
Arsenic	1.2	51.3	µg/g	20080820.R13F
Barium	1.2	250	µg/g	20080820.R13F
Beryllium	0.12	0.2	µg/g	20080820.R13F
Bismuth	0.12	3.34	µg/g	20080820.R13F
Cadmium	0.012	11	µg/g	20080820.R13F
Calcium	58	61200	µg/g	20080820.R13F

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**Sample Name: AH-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185366**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.12	27.7	µg/g	20080820.R13F
Cesium	0.12	0.6	µg/g	20080820.R13F
Chromium	1.2	77.4	µg/g	20080820.R13F
Cobalt	0.012	10.8	µg/g	20080820.R13F
Copper	1.2	1720	µg/g	20080820.R13F
Europium	0.12	0.35	µg/g	20080820.R13F
Gallium	0.12	9.13	µg/g	20080820.R13F
Iron	23	16200	µg/g	20080820.R13F
Lanthanum	0.12	14.4	µg/g	20080820.R13F
Lead	0.12	110	µg/g	20080820.R13F
Lithium	0.58	11.3	µg/g	20080820.R13F
Magnesium	4.6	9810	µg/g	20080820.R13F
Manganese	1.2	233	µg/g	20080820.R13F
Mercury	0.012	2.92	µg/g	20080820.R13F
Molybdenum	0.12	3.14	µg/g	20080820.R13F
Nickel	1.2	42.6	µg/g	20080820.R13F
Niobium	0.12	0.8	µg/g	20080820.R13F
Phosphorus	58	1350	µg/g	20080820.R13F
Rubidium	0.12	13	µg/g	20080820.R13F
Scandium	0.12	6.44	µg/g	20080820.R13F
Selenium	0.12	7.07	µg/g	20080820.R13F
Silver	0.12	2.07	µg/g	20080820.R13F
Strontium	1.2	81.6	µg/g	20080820.R13F
Thallium	0.12	0.17	µg/g	20080820.R13F
Thorium	0.12	5	µg/g	20080820.R13F
Tin	0.12	13	µg/g	20080820.R13F
Titanium	1.2	663	µg/g	20080820.R13F
Tungsten	0.12	<0.12	µg/g	20080820.R13F
Uranium	0.12	0.89	µg/g	20080820.R13F
Vanadium	1.2	34	µg/g	20080820.R13F
Yttrium	0.12	5.61	µg/g	20080820.R13F
Zinc	1.2	1870	µg/g	20080820.R13F
Zirconium	1.2	319	µg/g	20080820.R13F

**Sample Name: Q2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185367**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	5930	µg/g	20080820.R13F
Antimony	0.12	<0.12	µg/g	20080820.R13F
Arsenic	1.2	36.5	µg/g	20080820.R13F
Barium	1.2	222	µg/g	20080820.R13F
Beryllium	0.12	0.17	µg/g	20080820.R13F
Bismuth	0.12	2.02	µg/g	20080820.R13F
Cadmium	0.012	15.6	µg/g	20080820.R13F
Calcium	58	24500	µg/g	20080820.R13F

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**Sample Name: Q2-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185367**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.12	78.4	µg/g	20080820.R13F
Cesium	0.12	0.51	µg/g	20080820.R13F
Chromium	1.2	84.7	µg/g	20080820.R13F
Cobalt	0.012	12.3	µg/g	20080820.R13F
Copper	1.2	1350	µg/g	20080820.R13F
Europium	0.12	0.23	µg/g	20080820.R13F
Gallium	0.12	8.01	µg/g	20080820.R13F
Iron	23	16000	µg/g	20080820.R13F
Lanthanum	0.12	53.8	µg/g	20080820.R13F
Lead	1.2	261	µg/g	20080820.R13F
Lithium	0.58	9.9	µg/g	20080820.R13F
Magnesium	4.6	9600	µg/g	20080820.R13F
Manganese	1.2	235	µg/g	20080820.R13F
Mercury	0.012	2.32	µg/g	20080820.R13F
Molybdenum	1.2	36.7	µg/g	20080820.R13F
Nickel	1.2	64.5	µg/g	20080820.R13F
Niobium	0.12	0.45	µg/g	20080820.R13F
Phosphorus	58	1540	µg/g	20080820.R13F
Rubidium	0.12	13.4	µg/g	20080820.R13F
Scandium	0.12	4.75	µg/g	20080820.R13F
Selenium	0.12	5.09	µg/g	20080820.R13F
Silver	0.12	3.76	µg/g	20080820.R13F
Strontium	1.2	52.5	µg/g	20080820.R13F
Thallium	0.12	0.14	µg/g	20080820.R13F
Thorium	0.12	3.38	µg/g	20080820.R13F
Tin	0.12	8.87	µg/g	20080820.R13F
Titanium	1.2	447	µg/g	20080820.R13F
Tungsten	1.2	29.7	µg/g	20080820.R13F
Uranium	0.12	0.71	µg/g	20080820.R13F
Vanadium	0.12	22	µg/g	20080820.R13F
Yttrium	0.12	4.02	µg/g	20080820.R13F
Zinc	1.2	3000	µg/g	20080820.R13F
Zirconium	1.2	588	µg/g	20080820.R13F

**Sample Name: X-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185368**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.4	7910	µg/g	20080820.R13F
Antimony	0.14	<0.14	µg/g	20080820.R13F
Arsenic	1.4	74.1	µg/g	20080820.R13F
Barium	1.4	453	µg/g	20080820.R13F
Beryllium	0.14	0.22	µg/g	20080820.R13F
Bismuth	0.14	43.1	µg/g	20080820.R13F
Cadmium	0.14	41.3	µg/g	20080820.R13F
Calcium	71	45800	µg/g	20080820.R13F

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Work Order: 61648

**Sample Name: X-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185368**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.14	49	µg/g	20080820.R13F
Cesium	0.14	0.46	µg/g	20080820.R13F
Chromium	1.4	97.1	µg/g	20080820.R13F
Cobalt	0.014	22.1	µg/g	20080820.R13F
Copper	1.4	3250	µg/g	20080820.R13F
Europium	0.14	0.32	µg/g	20080820.R13F
Gallium	0.14	13.4	µg/g	20080820.R13F
Iron	28	21200	µg/g	20080820.R13F
Lanthanum	0.14	29.4	µg/g	20080820.R13F
Lead	1.4	398	µg/g	20080820.R13F
Lithium	0.71	12	µg/g	20080820.R13F
Magnesium	5.7	7990	µg/g	20080820.R13F
Manganese	1.4	370	µg/g	20080820.R13F
Mercury	0.014	6.32	µg/g	20080820.R13F
Molybdenum	0.14	9.95	µg/g	20080820.R13F
Nickel	1.4	120	µg/g	20080820.R13F
Niobium	0.14	0.76	µg/g	20080820.R13F
Phosphorus	71	1860	µg/g	20080820.R13F
Rubidium	0.14	14	µg/g	20080820.R13F
Scandium	0.14	5.72	µg/g	20080820.R13F
Selenium	0.14	15.8	µg/g	20080820.R13F
Silver	0.14	3.23	µg/g	20080820.R13F
Strontium	1.4	214	µg/g	20080820.R13F
Thallium	0.14	0.21	µg/g	20080820.R13F
Thorium	0.14	4.23	µg/g	20080820.R13F
Tin	0.14	24.3	µg/g	20080820.R13F
Titanium	1.4	688	µg/g	20080820.R13F
Tungsten	0.14	1.78	µg/g	20080820.R13F
Uranium	0.14	0.77	µg/g	20080820.R13F
Vanadium	1.4	36	µg/g	20080820.R13F
Yttrium	0.14	4.89	µg/g	20080820.R13F
Zinc	1.4	4080	µg/g	20080820.R13F
Zirconium	1.4	1210	µg/g	20080820.R13F

**Sample Name: C-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185369**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	3.4	5020	µg/g	20080820.R13G
Antimony	0.34	4	µg/g	20080820.R13G
Arsenic	0.34	26.9	µg/g	20080820.R13G
Barium	0.34	105	µg/g	20080820.R13G
Beryllium	0.34	<0.34	µg/g	20080820.R13G
Bismuth	0.34	4.93	µg/g	20080820.R13G
Cadmium	0.034	12	µg/g	20080820.R13G
Calcium	170	11700	µg/g	20080820.R13G

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Work Order: 61648

**Sample Name: C-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185369**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.34	9.3	µg/g	20080820.R13G
Cesium	0.34	<0.34	µg/g	20080820.R13G
Chromium	3.4	102	µg/g	20080820.R13G
Cobalt	0.034	5.37	µg/g	20080820.R13G
Copper	3.4	1310	µg/g	20080820.R13G
Europium	0.34	<0.34	µg/g	20080820.R13G
Gallium	0.34	3.9	µg/g	20080820.R13G
Iron	69	6440	µg/g	20080820.R13G
Lanthanum	0.34	4.42	µg/g	20080820.R13G
Lead	0.34	231	µg/g	20080820.R13G
Lithium	1.7	5.4	µg/g	20080820.R13G
Magnesium	14	4030	µg/g	20080820.R13G
Manganese	0.34	105	µg/g	20080820.R13G
Mercury	0.034	1.46	µg/g	20080820.R13G
Molybdenum	0.34	3.74	µg/g	20080820.R13G
Nickel	0.34	48.7	µg/g	20080820.R13G
Niobium	0.34	<0.34	µg/g	20080820.R13G
Phosphorus	17	1410	µg/g	20080820.R13G
Rubidium	0.34	8.75	µg/g	20080820.R13G
Scandium	0.34	2.1	µg/g	20080820.R13G
Selenium	0.34	3.4	µg/g	20080820.R13G
Silver	0.34	2.3	µg/g	20080820.R13G
Strontium	0.34	27.4	µg/g	20080820.R13G
Thallium	0.34	<0.34	µg/g	20080820.R13G
Thorium	0.34	3.78	µg/g	20080820.R13G
Tin	0.34	34.3	µg/g	20080820.R13G
Titanium	3.4	246	µg/g	20080820.R13G
Tungsten	0.34	3.2	µg/g	20080820.R13G
Uranium	0.34	0.4	µg/g	20080820.R13G
Vanadium	0.34	12.2	µg/g	20080820.R13G
Yttrium	0.34	1.8	µg/g	20080820.R13G
Zinc	3.4	1650	µg/g	20080820.R13G
Zirconium	3.4	362	µg/g	20080820.R13G

**Sample Name: AG-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185370**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	4	5620	µg/g	20080820.R13G
Antimony	0.4	2.4	µg/g	20080820.R13G
Arsenic	0.4	14.3	µg/g	20080820.R13G
Barium	0.4	132	µg/g	20080820.R13G
Beryllium	0.4	<0.4	µg/g	20080820.R13G
Bismuth	0.4	6.29	µg/g	20080820.R13G
Cadmium	0.04	12.7	µg/g	20080820.R13G
Calcium	200	29300	µg/g	20080820.R13G

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Work Order: 61648

**Sample Name: AG-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185370**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cerium	0.4	14.1	µg/g	20080820.R13G
Cesium	0.4	<0.4	µg/g	20080820.R13G
Chromium	4	96.1	µg/g	20080820.R13G
Cobalt	0.04	6.25	µg/g	20080820.R13G
Copper	4	986	µg/g	20080820.R13G
Europium	0.4	<0.4	µg/g	20080820.R13G
Gallium	0.4	4.48	µg/g	20080820.R13G
Iron	81	10200	µg/g	20080820.R13G
Lanthanum	0.4	6.46	µg/g	20080820.R13G
Lead	0.4	146	µg/g	20080820.R13G
Lithium	2	5.6	µg/g	20080820.R13G
Magnesium	1.6	3160	µg/g	20080820.R13G
Manganese	0.4	149	µg/g	20080820.R13G
Mercury	0.04	0.756	µg/g	20080820.R13G
Molybdenum	0.4	5.64	µg/g	20080820.R13G
Nickel	4	104	µg/g	20080820.R13G
Niobium	0.4	<0.4	µg/g	20080820.R13G
Phosphorus	20	1260	µg/g	20080820.R13G
Rubidium	0.4	6.98	µg/g	20080820.R13G
Scandium	0.4	2.9	µg/g	20080820.R13G
Selenium	0.4	1.7	µg/g	20080820.R13G
Silver	0.4	14.8	µg/g	20080820.R13G
Strontium	0.4	59.6	µg/g	20080820.R13G
Thallium	0.4	<0.4	µg/g	20080820.R13G
Thorium	0.4	4.83	µg/g	20080820.R13G
Tin	0.4	60	µg/g	20080820.R13G
Titanium	4	262	µg/g	20080820.R13G
Tungsten	0.4	4.59	µg/g	20080820.R13G
Uranium	0.4	0.5	µg/g	20080820.R13G
Vanadium	0.4	13.8	µg/g	20080820.R13G
Yttrium	0.4	2.9	µg/g	20080820.R13G
Zinc	4	1190	µg/g	20080820.R13G
Zirconium	4	2230	µg/g	20080820.R13G

**Sample Name: AK-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185371**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	4960	µg/g	20080820.R13G
Aluminum (Dup)	1.3	5250	µg/g	20080820.R13G
Antimony	0.11	0.62	µg/g	20080820.R13G
Antimony (Dup)	0.13	0.52	µg/g	20080820.R13G
Arsenic	1.1	48.3	µg/g	20080820.R13G
Arsenic (Dup)	1.3	47.9	µg/g	20080820.R13G
Barium	1.1	198	µg/g	20080820.R13G
Barium (Dup)	1.3	187	µg/g	20080820.R13G

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Committed to Quality and Service

Intrinsic Environmental Sciences Inc.

Work Order: 61648

Sample Name: AK-DS

Date:

Matrix: Soil

Lab #: 185371

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Beryllium	0.11	0.13	µg/g	20080820.R13G
Beryllium (Dup)	0.13	0.14	µg/g	20080820.R13G
Bismuth	0.11	5.09	µg/g	20080820.R13G
Bismuth (Dup)	0.13	4.35	µg/g	20080820.R13G
Cadmium	0.011	9.72	µg/g	20080820.R13G
Cadmium (Dup)	0.013	9.86	µg/g	20080820.R13G
Calcium	53	21300	µg/g	20080820.R13G
Calcium (Dup)	63	21400	µg/g	20080820.R13G
Cerium	0.11	27.8	µg/g	20080820.R13G
Cerium (Dup)	0.13	24.9	µg/g	20080820.R13G
Cesium	0.11	0.36	µg/g	20080820.R13G
Cesium (Dup)	0.13	0.36	µg/g	20080820.R13G
Chromium	1.1	50.4	µg/g	20080820.R13G
Chromium (Dup)	1.3	52.7	µg/g	20080820.R13G
Cobalt	0.011	9.7	µg/g	20080820.R13G
Cobalt (Dup)	0.013	9.86	µg/g	20080820.R13G
Copper	1.1	1130	µg/g	20080820.R13G
Copper (Dup)	1.3	1170	µg/g	20080820.R13G
Europium	0.11	0.21	µg/g	20080820.R13G
Europium (Dup)	0.13	0.18	µg/g	20080820.R13G
Gallium	0.11	6.45	µg/g	20080820.R13G
Gallium (Dup)	0.13	6.28	µg/g	20080820.R13G
Iron	21	13100	µg/g	20080820.R13G
Iron (Dup)	25	13400	µg/g	20080820.R13G
Lanthanum	0.11	15.6	µg/g	20080820.R13G
Lanthanum (Dup)	0.13	14.1	µg/g	20080820.R13G
Lead	1.1	151	µg/g	20080820.R13G
Lead (Dup)	0.13	111	µg/g	20080820.R13G
Lithium	0.53	5.73	µg/g	20080820.R13G
Lithium (Dup)	0.63	5.7	µg/g	20080820.R13G
Magnesium	4.2	7820	µg/g	20080820.R13G
Magnesium (Dup)	5.1	7970	µg/g	20080820.R13G
Manganese	1.1	171	µg/g	20080820.R13G
Manganese (Dup)	1.3	171	µg/g	20080820.R13G
Mercury	0.011	2.08	µg/g	20080820.R13G
Mercury (Dup)	0.013	2.33	µg/g	20080820.R13G
Molybdenum	0.11	5.58	µg/g	20080820.R13G
Molybdenum (Dup)	0.13	5.36	µg/g	20080820.R13G
Nickel	1.1	33.5	µg/g	20080820.R13G
Nickel (Dup)	1.3	35.7	µg/g	20080820.R13G
Niobium	0.11	<0.11	µg/g	20080820.R13G
Niobium (Dup)	0.13	<0.13	µg/g	20080820.R13G
Phosphorus	53	1030	µg/g	20080820.R13G
Phosphorus (Dup)	63	1050	µg/g	20080820.R13G
Rubidium	0.11	9.4	µg/g	20080820.R13G
Rubidium (Dup)	0.13	9.03	µg/g	20080820.R13G

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# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AK-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185371**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Scandium	0.11	3.72	µg/g	20080820.R13G
Scandium (Dup)	0.13	3.96	µg/g	20080820.R13G
Selenium	0.11	5.99	µg/g	20080820.R13G
Selenium (Dup)	0.13	5.78	µg/g	20080820.R13G
Silver	0.11	2.58	µg/g	20080820.R13G
Silver (Dup)	0.13	3.54	µg/g	20080820.R13G
Strontium	1.1	55.4	µg/g	20080820.R13G
Strontium (Dup)	1.3	58.1	µg/g	20080820.R13G
Thallium	0.11	0.17	µg/g	20080820.R13G
Thallium (Dup)	0.13	0.17	µg/g	20080820.R13G
Thorium	0.11	3.77	µg/g	20080820.R13G
Thorium (Dup)	0.13	3.3	µg/g	20080820.R13G
Tin	0.11	10.9	µg/g	20080820.R13G
Tin (Dup)	0.13	8.81	µg/g	20080820.R13G
Titanium	1.1	347	µg/g	20080820.R13G
Titanium (Dup)	1.3	362	µg/g	20080820.R13G
Tungsten	0.11	2.62	µg/g	20080820.R13G
Tungsten (Dup)	0.13	1.89	µg/g	20080820.R13G
Uranium	0.11	0.57	µg/g	20080820.R13G
Uranium (Dup)	0.13	0.51	µg/g	20080820.R13G
Vanadium	0.11	17.3	µg/g	20080820.R13G
Vanadium (Dup)	0.13	17.6	µg/g	20080820.R13G
Yttrium	0.11	4.27	µg/g	20080820.R13G
Yttrium (Dup)	0.13	3.87	µg/g	20080820.R13G
Zinc	1.1	1400	µg/g	20080820.R13G
Zinc (Dup)	1.3	1440	µg/g	20080820.R13G
Zirconium	1.1	708	µg/g	20080820.R13G
Zirconium (Dup)	1.3	1020	µg/g	20080820.R13G

**Sample Name: E-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185372**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	0.9	5410	µg/g	20080820.R13G
Antimony	0.09	0.42	µg/g	20080820.R13G
Arsenic	0.9	65.2	µg/g	20080820.R13G
Barium	0.9	248	µg/g	20080820.R13G
Beryllium	0.09	0.17	µg/g	20080820.R13G
Bismuth	0.09	6.01	µg/g	20080820.R13G
Cadmium	0.09	27.1	µg/g	20080820.R13G
Calcium	45	18300	µg/g	20080820.R13G
Cerium	0.09	34.8	µg/g	20080820.R13G
Cesium	0.09	0.67	µg/g	20080820.R13G
Chromium	0.9	60.5	µg/g	20080820.R13G
Cobalt	0.009	17.2	µg/g	20080820.R13G
Copper	0.9	2960	µg/g	20080820.R13G





# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: E-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185372**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.09	0.25	µg/g	20080820.R13G
Gallium	0.09	9.13	µg/g	20080820.R13G
Iron	18	17300	µg/g	20080820.R13G
Lanthanum	0.09	21.8	µg/g	20080820.R13G
Lead	0.9	316	µg/g	20080820.R13G
Lithium	0.45	10.8	µg/g	20080820.R13G
Magnesium	3.6	9670	µg/g	20080820.R13G
Manganese	0.9	234	µg/g	20080820.R13G
Mercury	0.009	11.9	µg/g	20080820.R13G
Molybdenum	0.09	13	µg/g	20080820.R13G
Nickel	0.9	32.2	µg/g	20080820.R13G
Niobium	0.09	<0.09	µg/g	20080820.R13G
Phosphorus	45	1620	µg/g	20080820.R13G
Rubidium	0.09	17.9	µg/g	20080820.R13G
Scandium	0.09	6.33	µg/g	20080820.R13G
Selenium	0.09	17.9	µg/g	20080820.R13G
Silver	0.09	3.58	µg/g	20080820.R13G
Strontium	0.9	48.4	µg/g	20080820.R13G
Thallium	0.09	0.32	µg/g	20080820.R13G
Thorium	0.09	4.19	µg/g	20080820.R13G
Tin	0.09	1.84	µg/g	20080820.R13G
Titanium	0.9	276	µg/g	20080820.R13G
Tungsten	0.09	1.17	µg/g	20080820.R13G
Uranium	0.09	0.78	µg/g	20080820.R13G
Vanadium	0.9	30.2	µg/g	20080820.R13G
Yttrium	0.09	5.02	µg/g	20080820.R13G
Zinc	0.9	3760	µg/g	20080820.R13G
Zirconium	0.9	374	µg/g	20080820.R13G

**Sample Name: AB-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185373**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	6250	µg/g	20080820.R13G
Antimony	0.11	0.23	µg/g	20080820.R13G
Arsenic	1.1	38.3	µg/g	20080820.R13G
Barium	1.1	197	µg/g	20080820.R13G
Beryllium	0.11	0.21	µg/g	20080820.R13G
Bismuth	0.11	1.93	µg/g	20080820.R13G
Cadmium	0.011	9.5	µg/g	20080820.R13G
Calcium	55	21500	µg/g	20080820.R13G
Cerium	0.11	24.9	µg/g	20080820.R13G
Cesium	0.11	0.68	µg/g	20080820.R13G
Chromium	1.1	68	µg/g	20080820.R13G
Cobalt	0.011	10.7	µg/g	20080820.R13G
Copper	1.1	878	µg/g	20080820.R13G

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AB-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185373**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.11	0.36	µg/g	20080820.R13G
Gallium	0.11	8	µg/g	20080820.R13G
Iron	22	15100	µg/g	20080820.R13G
Lanthanum	0.11	12.7	µg/g	20080820.R13G
Lead	0.11	84.8	µg/g	20080820.R13G
Lithium	0.55	11.9	µg/g	20080820.R13G
Magnesium	4.4	9470	µg/g	20080820.R13G
Manganese	1.1	241	µg/g	20080820.R13G
Mercury	0.011	0.944	µg/g	20080820.R13G
Molybdenum	0.11	4.56	µg/g	20080820.R13G
Nickel	1.1	38.6	µg/g	20080820.R13G
Niobium	0.11	0.2	µg/g	20080820.R13G
Phosphorus	55	1960	µg/g	20080820.R13G
Rubidium	0.11	15	µg/g	20080820.R13G
Scandium	0.11	7.04	µg/g	20080820.R13G
Selenium	0.11	3.63	µg/g	20080820.R13G
Silver	0.11	1.51	µg/g	20080820.R13G
Strontium	1.1	40.7	µg/g	20080820.R13G
Thallium	0.11	0.19	µg/g	20080820.R13G
Thorium	0.11	6.96	µg/g	20080820.R13G
Tin	0.11	2.79	µg/g	20080820.R13G
Titanium	1.1	554	µg/g	20080820.R13G
Tungsten	0.11	1.43	µg/g	20080820.R13G
Uranium	0.11	1.17	µg/g	20080820.R13G
Vanadium	1.1	32.6	µg/g	20080820.R13G
Yttrium	0.11	7.47	µg/g	20080820.R13G
Zinc	1.1	4070	µg/g	20080820.R13G
Zirconium	1.1	350	µg/g	20080820.R13G

**Sample Name: AN-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185374**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	5350	µg/g	20080820.R13G
Antimony	0.12	0.29	µg/g	20080820.R13G
Arsenic	0.12	32.3	µg/g	20080820.R13G
Barium	1.2	295	µg/g	20080820.R13G
Beryllium	0.12	0.18	µg/g	20080820.R13G
Bismuth	0.12	1.76	µg/g	20080820.R13G
Cadmium	0.012	13	µg/g	20080820.R13G
Calcium	61	23500	µg/g	20080820.R13G
Cerium	0.12	15.8	µg/g	20080820.R13G
Cesium	0.12	0.61	µg/g	20080820.R13G
Chromium	1.2	106	µg/g	20080820.R13G
Cobalt	0.012	14.5	µg/g	20080820.R13G
Copper	1.2	1170	µg/g	20080820.R13G



# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AN-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185374**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.12	0.27	µg/g	20080820.R13G
Gallium	0.12	9.08	µg/g	20080820.R13G
Iron	24	15600	µg/g	20080820.R13G
Lanthanum	0.12	7.54	µg/g	20080820.R13G
Lead	0.12	102	µg/g	20080820.R13G
Lithium	0.61	9.4	µg/g	20080820.R13G
Magnesium	4.9	8100	µg/g	20080820.R13G
Manganese	1.2	268	µg/g	20080820.R13G
Mercury	0.012	0.902	µg/g	20080820.R13G
Molybdenum	1.2	42.1	µg/g	20080820.R13G
Nickel	1.2	48.7	µg/g	20080820.R13G
Niobium	0.12	0.81	µg/g	20080820.R13G
Phosphorus	61	1110	µg/g	20080820.R13G
Rubidium	0.12	13.7	µg/g	20080820.R13G
Scandium	0.12	4.57	µg/g	20080820.R13G
Selenium	0.12	3.63	µg/g	20080820.R13G
Silver	0.12	1.38	µg/g	20080820.R13G
Strontium	1.2	125	µg/g	20080820.R13G
Thallium	0.12	0.15	µg/g	20080820.R13G
Thorium	0.12	4.74	µg/g	20080820.R13G
Tin	0.12	8.01	µg/g	20080820.R13G
Titanium	1.2	481	µg/g	20080820.R13G
Tungsten	1.2	25.1	µg/g	20080820.R13G
Uranium	0.12	0.64	µg/g	20080820.R13G
Vanadium	1.2	36.3	µg/g	20080820.R13G
Yttrium	0.12	4.79	µg/g	20080820.R13G
Zinc	1.2	1450	µg/g	20080820.R13G
Zirconium	1.2	304	µg/g	20080820.R13G

**Sample Name: F-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185375**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	0.95	3040	µg/g	20080820.R13G
Antimony	0.095	0.41	µg/g	20080820.R13G
Arsenic	0.095	21.8	µg/g	20080820.R13G
Barium	0.095	82.9	µg/g	20080820.R13G
Beryllium	0.095	<0.095	µg/g	20080820.R13G
Bismuth	0.095	2.46	µg/g	20080820.R13G
Cadmium	0.0095	9.54	µg/g	20080820.R13G
Calcium	47	10400	µg/g	20080820.R13G
Cerium	0.095	12	µg/g	20080820.R13G
Cesium	0.095	0.31	µg/g	20080820.R13G
Chromium	0.95	48.8	µg/g	20080820.R13G
Cobalt	0.0095	5.12	µg/g	20080820.R13G
Copper	0.95	1010	µg/g	20080820.R13G

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Work Order: 61648

**Sample Name: F-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185375**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.095	0.11	µg/g	20080820.R13G
Gallium	0.095	3.22	µg/g	20080820.R13G
Iron	19	4230	µg/g	20080820.R13G
Lanthanum	0.095	6.31	µg/g	20080820.R13G
Lead	0.095	77.2	µg/g	20080820.R13G
Lithium	0.47	4.3	µg/g	20080820.R13G
Magnesium	3.8	3970	µg/g	20080820.R13G
Manganese	0.95	92.1	µg/g	20080820.R13G
Mercury	0.0095	0.763	µg/g	20080820.R13G
Molybdenum	0.095	20.8	µg/g	20080820.R13G
Nickel	0.95	32.1	µg/g	20080820.R13G
Niobium	0.095	<0.095	µg/g	20080820.R13G
Phosphorus	47	751	µg/g	20080820.R13G
Rubidium	0.095	7.66	µg/g	20080820.R13G
Scandium	0.095	2.41	µg/g	20080820.R13G
Selenium	0.095	2.7	µg/g	20080820.R13G
Silver	0.095	3.65	µg/g	20080820.R13G
Strontium	0.95	22.2	µg/g	20080820.R13G
Thallium	0.095	<0.095	µg/g	20080820.R13G
Thorium	0.095	3.9	µg/g	20080820.R13G
Tin	0.095	18.3	µg/g	20080820.R13G
Titanium	0.95	210	µg/g	20080820.R13G
Tungsten	0.095	1.79	µg/g	20080820.R13G
Uranium	0.095	0.41	µg/g	20080820.R13G
Vanadium	0.095	11.9	µg/g	20080820.R13G
Yttrium	0.095	2.16	µg/g	20080820.R13G
Zinc	0.95	742	µg/g	20080820.R13G
Zirconium	0.95	528	µg/g	20080820.R13G

**Sample Name: AO-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185376**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	4760	µg/g	20080820.R13G
Antimony	0.11	0.82	µg/g	20080820.R13G
Arsenic	1.1	71.9	µg/g	20080820.R13G
Barium	1.1	310	µg/g	20080820.R13G
Beryllium	0.11	0.14	µg/g	20080820.R13G
Bismuth	0.11	3.33	µg/g	20080820.R13G
Cadmium	0.11	28.3	µg/g	20080820.R13G
Calcium	56	23200	µg/g	20080820.R13G
Cerium	0.11	51.1	µg/g	20080820.R13G
Cesium	0.11	0.47	µg/g	20080820.R13G
Chromium	1.1	76.2	µg/g	20080820.R13G
Cobalt	0.011	22	µg/g	20080820.R13G
Copper	1.1	4260	µg/g	20080820.R13G



# TESTMARK Laboratories Ltd.

Committed to Quality and Service

Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AO-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185376**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.11	0.25	µg/g	20080820.R13G
Gallium	0.11	10	µg/g	20080820.R13G
Iron	22	20300	µg/g	20080820.R13G
Lanthanum	0.11	30.9	µg/g	20080820.R13G
Lead	1.1	267	µg/g	20080820.R13G
Lithium	0.56	8.56	µg/g	20080820.R13G
Magnesium	4.5	11500	µg/g	20080820.R13G
Manganese	1.1	256	µg/g	20080820.R13G
Mercury	0.011	10.7	µg/g	20080820.R13G
Molybdenum	0.11	13.2	µg/g	20080820.R13G
Nickel	1.1	58.4	µg/g	20080820.R13G
Niobium	0.11	0.47	µg/g	20080820.R13G
Phosphorus	56	1330	µg/g	20080820.R13G
Rubidium	0.11	11.4	µg/g	20080820.R13G
Scandium	0.11	5.6	µg/g	20080820.R13G
Selenium	0.11	22.7	µg/g	20080820.R13G
Silver	0.11	5.42	µg/g	20080820.R13G
Strontium	1.1	58.6	µg/g	20080820.R13G
Thallium	0.11	0.27	µg/g	20080820.R13G
Thorium	0.11	3.44	µg/g	20080820.R13G
Tin	0.11	11.1	µg/g	20080820.R13G
Titanium	1.1	458	µg/g	20080820.R13G
Tungsten	0.11	2.1	µg/g	20080820.R13G
Uranium	0.11	0.61	µg/g	20080820.R13G
Vanadium	1.1	25.7	µg/g	20080820.R13G
Yttrium	0.11	4.92	µg/g	20080820.R13G
Zinc	1.1	5060	µg/g	20080820.R13G
Zirconium	1.1	345	µg/g	20080820.R13G

**Sample Name: AY-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185377**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	5910	µg/g	20080820.R13H
Antimony	0.11	<0.11	µg/g	20080820.R13H
Arsenic	1.1	90.8	µg/g	20080820.R13H
Barium	1.1	148	µg/g	20080820.R13H
Beryllium	0.11	0.15	µg/g	20080820.R13H
Bismuth	0.11	3.42	µg/g	20080820.R13H
Cadmium	0.11	35.7	µg/g	20080820.R13H
Calcium	54	20400	µg/g	20080820.R13H
Cerium	0.11	16.1	µg/g	20080820.R13H
Cesium	0.11	0.56	µg/g	20080820.R13H
Chromium	1.1	55.5	µg/g	20080820.R13H
Cobalt	0.011	17.2	µg/g	20080820.R13H
Copper	1.1	2750	µg/g	20080820.R13H



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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AY-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185377**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.11	0.26	µg/g	20080820.R13H
Gallium	0.11	7.11	µg/g	20080820.R13H
Iron	22	19500	µg/g	20080820.R13H
Lanthanum	0.11	8.43	µg/g	20080820.R13H
Lead	1.1	321	µg/g	20080820.R13H
Lithium	0.54	10.6	µg/g	20080820.R13H
Magnesium	4.3	8730	µg/g	20080820.R13H
Manganese	1.1	272	µg/g	20080820.R13H
Mercury	0.011	11.9	µg/g	20080820.R13H
Molybdenum	0.11	8.97	µg/g	20080820.R13H
Nickel	1.1	42	µg/g	20080820.R13H
Niobium	0.11	0.51	µg/g	20080820.R13H
Phosphorus	54	1160	µg/g	20080820.R13H
Rubidium	0.11	14.3	µg/g	20080820.R13H
Scandium	0.11	5.98	µg/g	20080820.R13H
Selenium	0.11	18.9	µg/g	20080820.R13H
Silver	0.11	4.6	µg/g	20080820.R13H
Strontium	1.1	52.9	µg/g	20080820.R13H
Thallium	0.11	0.32	µg/g	20080820.R13H
Thorium	0.11	4.24	µg/g	20080820.R13H
Tin	0.11	21.2	µg/g	20080820.R13H
Titanium	1.1	522	µg/g	20080820.R13H
Tungsten	0.11	0.36	µg/g	20080820.R13H
Uranium	0.11	0.71	µg/g	20080820.R13H
Vanadium	1.1	30.4	µg/g	20080820.R13H
Yttrium	0.11	4.89	µg/g	20080820.R13H
Zinc	1.1	4230	µg/g	20080820.R13H
Zirconium	1.1	499	µg/g	20080820.R13H

**Sample Name: BC-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185378**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	2.9	6040	µg/g	20080820.R13H
Antimony	0.29	<0.29	µg/g	20080820.R13H
Arsenic	0.29	61.6	µg/g	20080820.R13H
Barium	0.29	146	µg/g	20080820.R13H
Beryllium	0.29	<0.29	µg/g	20080820.R13H
Bismuth	0.29	5.6	µg/g	20080820.R13H
Cadmium	0.029	23.2	µg/g	20080820.R13H
Calcium	150	22600	µg/g	20080820.R13H
Cerium	0.29	27.9	µg/g	20080820.R13H
Cesium	0.29	0.45	µg/g	20080820.R13H
Chromium	2.9	70.9	µg/g	20080820.R13H
Cobalt	0.029	11.2	µg/g	20080820.R13H
Copper	2.9	1960	µg/g	20080820.R13H

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: BC-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185378**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Europium	0.29	<0.29	µg/g	20080820.R13H
Gallium	0.29	5.58	µg/g	20080820.R13H
Iron	59	10900	µg/g	20080820.R13H
Lanthanum	0.29	14.7	µg/g	20080820.R13H
Lead	0.29	198	µg/g	20080820.R13H
Lithium	1.5	8.1	µg/g	20080820.R13H
Magnesium	12	6750	µg/g	20080820.R13H
Manganese	2.9	197	µg/g	20080820.R13H
Mercury	0.029	5.05	µg/g	20080820.R13H
Molybdenum	0.29	5.25	µg/g	20080820.R13H
Nickel	2.9	66.5	µg/g	20080820.R13H
Niobium	0.29	1.4	µg/g	20080820.R13H
Phosphorus	15	1340	µg/g	20080820.R13H
Rubidium	0.29	11	µg/g	20080820.R13H
Scandium	0.29	4.09	µg/g	20080820.R13H
Selenium	0.29	8.83	µg/g	20080820.R13H
Silver	0.29	4.44	µg/g	20080820.R13H
Strontium	0.29	50.3	µg/g	20080820.R13H
Thallium	0.29	<0.29	µg/g	20080820.R13H
Thorium	0.29	4	µg/g	20080820.R13H
Tin	0.29	34.8	µg/g	20080820.R13H
Titanium	2.9	326	µg/g	20080820.R13H
Tungsten	0.29	<0.29	µg/g	20080820.R13H
Uranium	0.29	0.62	µg/g	20080820.R13H
Vanadium	0.29	19.6	µg/g	20080820.R13H
Yttrium	0.29	4.23	µg/g	20080820.R13H
Zinc	2.9	2650	µg/g	20080820.R13H
Zirconium	2.9	1120	µg/g	20080820.R13H

**Sample Name: BB-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185379**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	9.4	13100	µg/g	20080820.R13H
Aluminum (Dup)	9.7	13800	µg/g	20080820.R13H
Antimony	0.094	<0.094	µg/g	20080820.R13H
Antimony (Dup)	0.097	<0.097	µg/g	20080820.R13H
Arsenic	0.94	26.8	µg/g	20080820.R13H
Arsenic (Dup)	0.97	26.3	µg/g	20080820.R13H
Barium	0.94	263	µg/g	20080820.R13H
Barium (Dup)	0.97	259	µg/g	20080820.R13H
Beryllium	0.094	0.27	µg/g	20080820.R13H
Beryllium (Dup)	0.097	0.3	µg/g	20080820.R13H
Bismuth	0.094	4.78	µg/g	20080820.R13H
Bismuth (Dup)	0.097	4.6	µg/g	20080820.R13H
Cadmium	0.0094	14	µg/g	20080820.R13H



# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

Sample Name: BB-DS

Date:

Matrix: Soil

Lab #: 185379

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cadmium (Dup)	0.0097	14.6	µg/g	20080820.R13H
Calcium	47	39600	µg/g	20080820.R13H
Calcium (Dup)	48	38800	µg/g	20080820.R13H
Cerium	0.094	22.9	µg/g	20080820.R13H
Cerium (Dup)	0.097	28.6	µg/g	20080820.R13H
Cesium	0.094	1	µg/g	20080820.R13H
Cesium (Dup)	0.097	1.11	µg/g	20080820.R13H
Chromium	0.94	103	µg/g	20080820.R13H
Chromium (Dup)	0.97	105	µg/g	20080820.R13H
Cobalt	0.0094	14.4	µg/g	20080820.R13H
Cobalt (Dup)	0.0097	15.6	µg/g	20080820.R13H
Copper	0.94	857	µg/g	20080820.R13H
Copper (Dup)	0.97	876	µg/g	20080820.R13H
Europium	0.094	0.41	µg/g	20080820.R13H
Europium (Dup)	0.097	0.48	µg/g	20080820.R13H
Gallium	0.094	10.5	µg/g	20080820.R13H
Gallium (Dup)	0.097	11.5	µg/g	20080820.R13H
Iron	19	18300	µg/g	20080820.R13H
Iron (Dup)	19	18600	µg/g	20080820.R13H
Lanthanum	0.094	12.3	µg/g	20080820.R13H
Lanthanum (Dup)	0.097	15.4	µg/g	20080820.R13H
Lead	0.94	137	µg/g	20080820.R13H
Lead (Dup)	0.97	136	µg/g	20080820.R13H
Lithium	0.47	15.9	µg/g	20080820.R13H
Lithium (Dup)	0.48	16.7	µg/g	20080820.R13H
Magnesium	3.8	13700	µg/g	20080820.R13H
Magnesium (Dup)	3.9	13300	µg/g	20080820.R13H
Manganese	0.94	326	µg/g	20080820.R13H
Manganese (Dup)	0.97	344	µg/g	20080820.R13H
Mercury	0.0094	1.25	µg/g	20080820.R13H
Mercury (Dup)	0.0097	1.14	µg/g	20080820.R13H
Molybdenum	0.094	4.46	µg/g	20080820.R13H
Molybdenum (Dup)	0.097	3.68	µg/g	20080820.R13H
Nickel	0.94	120	µg/g	20080820.R13H
Nickel (Dup)	0.97	130	µg/g	20080820.R13H
Niobium	0.094	<0.094	µg/g	20080820.R13H
Niobium (Dup)	0.097	<0.097	µg/g	20080820.R13H
Phosphorus	47	1530	µg/g	20080820.R13H
Phosphorus (Dup)	48	1500	µg/g	20080820.R13H
Rubidium	0.094	20.9	µg/g	20080820.R13H
Rubidium (Dup)	0.097	22.8	µg/g	20080820.R13H
Scandium	0.094	8.25	µg/g	20080820.R13H
Scandium (Dup)	0.097	10.1	µg/g	20080820.R13H
Selenium	0.094	3.38	µg/g	20080820.R13H
Selenium (Dup)	0.097	3.6	µg/g	20080820.R13H
Silver	0.094	3.27	µg/g	20080820.R13H

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Work Order: 61648

**Sample Name: BB-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185379**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Silver (Dup)	0.097	5.59	µg/g	20080820.R13H
Strontium	0.94	75.9	µg/g	20080820.R13H
Strontium (Dup)	0.97	76.7	µg/g	20080820.R13H
Thallium	0.094	0.2	µg/g	20080820.R13H
Thallium (Dup)	0.097	0.18	µg/g	20080820.R13H
Thorium	0.094	5.93	µg/g	20080820.R13H
Thorium (Dup)	0.097	6.91	µg/g	20080820.R13H
Tin	0.094	7	µg/g	20080820.R13H
Tin (Dup)	0.097	6.1	µg/g	20080820.R13H
Titanium	0.94	801	µg/g	20080820.R13H
Titanium (Dup)	0.97	606	µg/g	20080820.R13H
Tungsten	0.094	<0.094	µg/g	20080820.R13H
Tungsten (Dup)	0.097	<0.097	µg/g	20080820.R13H
Uranium	0.094	1.02	µg/g	20080820.R13H
Uranium (Dup)	0.097	1.14	µg/g	20080820.R13H
Vanadium	0.94	50.1	µg/g	20080820.R13H
Vanadium (Dup)	0.97	51.3	µg/g	20080820.R13H
Yttrium	0.094	7.11	µg/g	20080820.R13H
Yttrium (Dup)	0.097	8.13	µg/g	20080820.R13H
Zinc	0.94	1790	µg/g	20080820.R13H
Zinc (Dup)	0.97	1770	µg/g	20080820.R13H
Zirconium	0.94	262	µg/g	20080820.R13H
Zirconium (Dup)	0.97	382	µg/g	20080820.R13H

**Sample Name: O-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185380**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.3	5720	µg/g	20080820.R13H
Antimony	0.13	<0.13	µg/g	20080820.R13H
Arsenic	1.3	48.3	µg/g	20080820.R13H
Barium	1.3	199	µg/g	20080820.R13H
Beryllium	0.13	<0.13	µg/g	20080820.R13H
Bismuth	0.13	2.2	µg/g	20080820.R13H
Cadmium	0.13	24.7	µg/g	20080820.R13H
Calcium	63	27500	µg/g	20080820.R13H
Cerium	0.13	11.6	µg/g	20080820.R13H
Cesium	0.13	0.36	µg/g	20080820.R13H
Chromium	1.3	131	µg/g	20080820.R13H
Cobalt	0.013	7.43	µg/g	20080820.R13H
Copper	1.3	1400	µg/g	20080820.R13H
Europium	0.13	0.19	µg/g	20080820.R13H
Gallium	0.13	6.23	µg/g	20080820.R13H
Iron	25	12800	µg/g	20080820.R13H
Lanthanum	0.13	5.99	µg/g	20080820.R13H
Lead	1.3	253	µg/g	20080820.R13H

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# TESTMARK Laboratories Ltd.

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Work Order: 61648

**Sample Name: O-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185380**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Lithium	0.63	5.8	µg/g	20080820.R13H
Magnesium	5	8790	µg/g	20080820.R13H
Manganese	1.3	204	µg/g	20080820.R13H
Mercury	0.013	1.14	µg/g	20080820.R13H
Molybdenum	0.13	4.82	µg/g	20080820.R13H
Nickel	1.3	88.9	µg/g	20080820.R13H
Niobium	0.13	0.4	µg/g	20080820.R13H
Phosphorus	63	1030	µg/g	20080820.R13H
Rubidium	0.13	8.28	µg/g	20080820.R13H
Scandium	0.13	3.31	µg/g	20080820.R13H
Selenium	0.13	3.73	µg/g	20080820.R13H
Silver	0.13	2.19	µg/g	20080820.R13H
Strontium	1.3	141	µg/g	20080820.R13H
Thallium	0.13	<0.13	µg/g	20080820.R13H
Thorium	0.13	2.01	µg/g	20080820.R13H
Tin	0.13	83.7	µg/g	20080820.R13H
Titanium	1.3	313	µg/g	20080820.R13H
Tungsten	0.13	<0.13	µg/g	20080820.R13H
Uranium	0.13	0.45	µg/g	20080820.R13H
Vanadium	0.13	16.2	µg/g	20080820.R13H
Yttrium	0.13	2.72	µg/g	20080820.R13H
Zinc	1.3	2770	µg/g	20080820.R13H
Zirconium	1.3	1020	µg/g	20080820.R13H

**Sample Name: L-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185381**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	6250	µg/g	20080820.R13H
Antimony	0.11	2.22	µg/g	20080820.R13H
Arsenic	1.1	65.7	µg/g	20080820.R13H
Barium	1.1	381	µg/g	20080820.R13H
Beryllium	0.11	0.22	µg/g	20080820.R13H
Bismuth	0.11	4.77	µg/g	20080820.R13H
Cadmium	0.11	28.4	µg/g	20080820.R13H
Calcium	53	25000	µg/g	20080820.R13H
Cerium	0.11	19.8	µg/g	20080820.R13H
Cesium	0.11	0.71	µg/g	20080820.R13H
Chromium	1.1	78	µg/g	20080820.R13H
Cobalt	0.011	12.6	µg/g	20080820.R13H
Copper	1.1	1910	µg/g	20080820.R13H
Europium	0.11	0.37	µg/g	20080820.R13H
Gallium	0.11	12.1	µg/g	20080820.R13H
Iron	21	17900	µg/g	20080820.R13H
Lanthanum	0.11	10.2	µg/g	20080820.R13H
Lead	1.1	322	µg/g	20080820.R13H

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Work Order: 61648

**Sample Name: L-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185381**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Lithium	0.53	11.4	µg/g	20080820.R13H
Magnesium	4.2	10900	µg/g	20080820.R13H
Manganese	1.1	387	µg/g	20080820.R13H
Mercury	0.011	3.33	µg/g	20080820.R13H
Molybdenum	0.11	12.9	µg/g	20080820.R13H
Nickel	1.1	44.8	µg/g	20080820.R13H
Niobium	0.11	0.79	µg/g	20080820.R13H
Phosphorus	53	1330	µg/g	20080820.R13H
Rubidium	0.11	18	µg/g	20080820.R13H
Scandium	0.11	5.63	µg/g	20080820.R13H
Selenium	0.11	8.83	µg/g	20080820.R13H
Silver	0.11	8.06	µg/g	20080820.R13H
Strontium	1.1	55.8	µg/g	20080820.R13H
Thallium	0.11	0.27	µg/g	20080820.R13H
Thorium	0.11	5.51	µg/g	20080820.R13H
Tin	0.11	19.1	µg/g	20080820.R13H
Titanium	1.1	548	µg/g	20080820.R13H
Tungsten	0.11	0.76	µg/g	20080820.R13H
Uranium	0.11	0.86	µg/g	20080820.R13H
Vanadium	1.1	30.2	µg/g	20080820.R13H
Yttrium	0.11	5.32	µg/g	20080820.R13H
Zinc	1.1	2540	µg/g	20080820.R13H
Zirconium	1.1	485	µg/g	20080820.R13H

**Sample Name: W-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185382**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.4	6350	µg/g	20080820.R13H
Antimony	0.14	<0.14	µg/g	20080820.R13H
Arsenic	0.14	29.5	µg/g	20080820.R13H
Barium	1.4	276	µg/g	20080820.R13H
Beryllium	0.14	0.2	µg/g	20080820.R13H
Bismuth	0.14	2.8	µg/g	20080820.R13H
Cadmium	0.014	11.5	µg/g	20080820.R13H
Calcium	69	21300	µg/g	20080820.R13H
Cerium	0.14	25.5	µg/g	20080820.R13H
Cesium	0.14	0.44	µg/g	20080820.R13H
Chromium	1.4	71.7	µg/g	20080820.R13H
Cobalt	0.014	6.98	µg/g	20080820.R13H
Copper	1.4	1100	µg/g	20080820.R13H
Europium	0.14	0.26	µg/g	20080820.R13H
Gallium	0.14	8.59	µg/g	20080820.R13H
Iron	27	10800	µg/g	20080820.R13H
Lanthanum	0.14	14.3	µg/g	20080820.R13H
Lead	0.14	111	µg/g	20080820.R13H

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# TESTMARK Laboratories Ltd.

Committed to Quality and Service

Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: W-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185382**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Lithium	0.69	8.53	µg/g	20080820.R13H
Magnesium	5.5	8540	µg/g	20080820.R13H
Manganese	1.4	183	µg/g	20080820.R13H
Mercury	0.014	1.33	µg/g	20080820.R13H
Molybdenum	0.14	4.45	µg/g	20080820.R13H
Nickel	1.4	33.2	µg/g	20080820.R13H
Niobium	0.14	0.3	µg/g	20080820.R13H
Phosphorus	69	1220	µg/g	20080820.R13H
Rubidium	0.14	12.2	µg/g	20080820.R13H
Scandium	0.14	3.47	µg/g	20080820.R13H
Selenium	0.14	3.38	µg/g	20080820.R13H
Silver	0.14	3.01	µg/g	20080820.R13H
Strontium	1.4	63	µg/g	20080820.R13H
Thallium	0.14	<0.14	µg/g	20080820.R13H
Thorium	0.14	5.45	µg/g	20080820.R13H
Tin	0.14	4.63	µg/g	20080820.R13H
Titanium	1.4	317	µg/g	20080820.R13H
Tungsten	0.14	<0.14	µg/g	20080820.R13H
Uranium	0.14	0.99	µg/g	20080820.R13H
Vanadium	0.14	18.2	µg/g	20080820.R13H
Yttrium	0.14	5.12	µg/g	20080820.R13H
Zinc	1.4	1460	µg/g	20080820.R13H
Zirconium	1.4	518	µg/g	20080820.R13H

**Sample Name: AD-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185383**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	0.97	5420	µg/g	20080820.R13H
Antimony	0.097	<0.097	µg/g	20080820.R13H
Arsenic	0.97	138	µg/g	20080820.R13H
Barium	0.97	189	µg/g	20080820.R13H
Beryllium	0.097	0.17	µg/g	20080820.R13H
Bismuth	0.097	3.13	µg/g	20080820.R13H
Cadmium	0.0097	16.5	µg/g	20080820.R13H
Calcium	48	42900	µg/g	20080820.R13H
Cerium	0.097	15.3	µg/g	20080820.R13H
Cesium	0.097	0.49	µg/g	20080820.R13H
Chromium	0.97	68.3	µg/g	20080820.R13H
Cobalt	0.097	19.8	µg/g	20080820.R13H
Copper	0.97	1640	µg/g	20080820.R13H
Europium	0.097	0.26	µg/g	20080820.R13H
Gallium	0.097	7.2	µg/g	20080820.R13H
Iron	19	19100	µg/g	20080820.R13H
Lanthanum	0.097	7.6	µg/g	20080820.R13H
Lead	0.97	224	µg/g	20080820.R13H



# TESTMARK Laboratories Ltd.

Committed to Quality and Service

Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AD-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185383**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Lithium	0.48	8.92	µg/g	20080820.R13H
Magnesium	3.9	20800	µg/g	20080820.R13H
Manganese	0.97	275	µg/g	20080820.R13H
Mercury	0.0097	2.22	µg/g	20080820.R13H
Molybdenum	0.097	11.8	µg/g	20080820.R13H
Nickel	0.97	50.4	µg/g	20080820.R13H
Niobium	0.097	<0.097	µg/g	20080820.R13H
Phosphorus	48	2920	µg/g	20080820.R13H
Rubidium	0.097	12.5	µg/g	20080820.R13H
Scandium	0.097	4.31	µg/g	20080820.R13H
Selenium	0.097	8.03	µg/g	20080820.R13H
Silver	0.097	2.82	µg/g	20080820.R13H
Strontium	0.97	673	µg/g	20080820.R13H
Thallium	0.097	0.33	µg/g	20080820.R13H
Thorium	0.097	8.33	µg/g	20080820.R13H
Tin	0.097	3.88	µg/g	20080820.R13H
Titanium	0.97	59.6	µg/g	20080820.R13H
Tungsten	0.097	0.16	µg/g	20080820.R13H
Uranium	0.097	1.19	µg/g	20080820.R13H
Vanadium	0.97	24.8	µg/g	20080820.R13H
Yttrium	0.097	5.6	µg/g	20080820.R13H
Zinc	0.97	2360	µg/g	20080820.R13H
Zirconium	0.97	203	µg/g	20080820.R13H

**Sample Name: BD-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185384**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.6	2380	µg/g	20080820.R13H
Antimony	0.16	0.66	µg/g	20080820.R13H
Arsenic	0.16	13.8	µg/g	20080820.R13H
Barium	0.16	85.5	µg/g	20080820.R13H
Beryllium	0.16	<0.16	µg/g	20080820.R13H
Bismuth	0.16	27.7	µg/g	20080820.R13H
Cadmium	0.016	4.88	µg/g	20080820.R13H
Calcium	78	67400	µg/g	20080820.R13H
Cerium	0.16	6.79	µg/g	20080820.R13H
Cesium	0.16	<0.16	µg/g	20080820.R13H
Chromium	1.6	42.5	µg/g	20080820.R13H
Cobalt	0.016	4.48	µg/g	20080820.R13H
Copper	1.6	541	µg/g	20080820.R13H
Europium	0.16	<0.16	µg/g	20080820.R13H
Gallium	0.16	2.73	µg/g	20080820.R13H
Iron	31	5800	µg/g	20080820.R13H
Lanthanum	0.16	3.46	µg/g	20080820.R13H
Lead	0.16	155	µg/g	20080820.R13H

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# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: BD-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185384**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Lithium	0.78	4	µg/g	20080820.R13H
Magnesium	6.2	6500	µg/g	20080820.R13H
Manganese	1.6	120	µg/g	20080820.R13H
Mercury	0.016	0.268	µg/g	20080820.R13H
Molybdenum	0.16	2.56	µg/g	20080820.R13H
Nickel	1.6	100	µg/g	20080820.R13H
Niobium	0.16	0.49	µg/g	20080820.R13H
Phosphorus	78	1300	µg/g	20080820.R13H
Rubidium	0.16	3.93	µg/g	20080820.R13H
Scandium	0.16	1.4	µg/g	20080820.R13H
Selenium	0.16	1.3	µg/g	20080820.R13H
Silver	0.16	11.9	µg/g	20080820.R13H
Strontium	1.6	82.4	µg/g	20080820.R13H
Thallium	0.16	<0.16	µg/g	20080820.R13H
Thorium	0.16	0.86	µg/g	20080820.R13H
Tin	0.16	5.5	µg/g	20080820.R13H
Titanium	1.6	115	µg/g	20080820.R13H
Tungsten	0.16	1.1	µg/g	20080820.R13H
Uranium	0.16	0.28	µg/g	20080820.R13H
Vanadium	0.16	8.43	µg/g	20080820.R13H
Yttrium	0.16	1.88	µg/g	20080820.R13H
Zinc	1.6	1130	µg/g	20080820.R13H
Zirconium	1.6	324	µg/g	20080820.R13H

**Sample Name: K-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185385**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.6	6840	µg/g	20080820.R13I
Aluminum (Dup)	1.3	6480	µg/g	20080820.R13I
Antimony	0.16	<0.16	µg/g	20080820.R13I
Antimony (Dup)	0.13	<0.13	µg/g	20080820.R13I
Arsenic	1.6	73	µg/g	20080820.R13I
Arsenic (Dup)	1.3	74.6	µg/g	20080820.R13I
Barium	1.6	230	µg/g	20080820.R13I
Barium (Dup)	1.3	234	µg/g	20080820.R13I
Beryllium	0.16	<0.16	µg/g	20080820.R13I
Beryllium (Dup)	0.13	0.17	µg/g	20080820.R13I
Bismuth	0.16	3.09	µg/g	20080820.R13I
Bismuth (Dup)	0.13	3.2	µg/g	20080820.R13I
Cadmium	0.016	20.4	µg/g	20080820.R13I
Cadmium (Dup)	0.013	20.2	µg/g	20080820.R13I
Calcium	82	27600	µg/g	20080820.R13I
Calcium (Dup)	65	28600	µg/g	20080820.R13I
Cerium	0.16	26.5	µg/g	20080820.R13I
Cerium (Dup)	0.13	25.3	µg/g	20080820.R13I

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Work Order: 61648

**Sample Name: K-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185385**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cesium	0.16	0.42	µg/g	20080820.R13I
Cesium (Dup)	0.13	0.44	µg/g	20080820.R13I
Chromium	1.6	73.5	µg/g	20080820.R13I
Chromium (Dup)	1.3	76.6	µg/g	20080820.R13I
Cobalt	0.016	13.4	µg/g	20080820.R13I
Cobalt (Dup)	0.013	13.3	µg/g	20080820.R13I
Copper	1.6	2770	µg/g	20080820.R13I
Copper (Dup)	1.3	2700	µg/g	20080820.R13I
Europium	0.16	0.23	µg/g	20080820.R13I
Europium (Dup)	0.13	0.25	µg/g	20080820.R13I
Gallium	0.16	8.48	µg/g	20080820.R13I
Gallium (Dup)	0.13	7.98	µg/g	20080820.R13I
Iron	33	18200	µg/g	20080820.R13I
Iron (Dup)	26	18000	µg/g	20080820.R13I
Lanthanum	0.16	14.9	µg/g	20080820.R13I
Lanthanum (Dup)	0.13	14.1	µg/g	20080820.R13I
Lead	1.6	224	µg/g	20080820.R13I
Lead (Dup)	1.3	232	µg/g	20080820.R13I
Lithium	0.82	8.1	µg/g	20080820.R13I
Lithium (Dup)	0.65	7.43	µg/g	20080820.R13I
Magnesium	6.5	9480	µg/g	20080820.R13I
Magnesium (Dup)	5.2	9690	µg/g	20080820.R13I
Manganese	1.6	231	µg/g	20080820.R13I
Manganese (Dup)	1.3	231	µg/g	20080820.R13I
Mercury	0.016	2.63	µg/g	20080820.R13I
Mercury (Dup)	0.013	2.51	µg/g	20080820.R13I
Molybdenum	0.16	6.83	µg/g	20080820.R13I
Molybdenum (Dup)	0.13	7.69	µg/g	20080820.R13I
Nickel	1.6	44.3	µg/g	20080820.R13I
Nickel (Dup)	1.3	47.5	µg/g	20080820.R13I
Niobium	0.16	0.26	µg/g	20080820.R13I
Niobium (Dup)	0.13	<0.13	µg/g	20080820.R13I
Phosphorus	8.2	816	µg/g	20080820.R13I
Phosphorus (Dup)	65	899	µg/g	20080820.R13I
Rubidium	0.16	11.9	µg/g	20080820.R13I
Rubidium (Dup)	0.13	11.3	µg/g	20080820.R13I
Scandium	0.16	4.8	µg/g	20080820.R13I
Scandium (Dup)	0.13	4.55	µg/g	20080820.R13I
Selenium	0.16	8.55	µg/g	20080820.R13I
Selenium (Dup)	0.13	8.29	µg/g	20080820.R13I
Silver	0.16	10.4	µg/g	20080820.R13I
Silver (Dup)	0.13	5.5	µg/g	20080820.R13I
Strontium	1.6	147	µg/g	20080820.R13I
Strontium (Dup)	1.3	143	µg/g	20080820.R13I
Thallium	0.16	0.24	µg/g	20080820.R13I
Thallium (Dup)	0.13	0.26	µg/g	20080820.R13I

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# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: K-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185385**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Thorium	0.16	5.61	µg/g	20080820.R13I
Thorium (Dup)	0.13	5.38	µg/g	20080820.R13I
Tin	0.16	24.1	µg/g	20080820.R13I
Tin (Dup)	0.13	25.3	µg/g	20080820.R13I
Titanium	1.6	386	µg/g	20080820.R13I
Titanium (Dup)	1.3	400	µg/g	20080820.R13I
Tungsten	0.16	1.4	µg/g	20080820.R13I
Tungsten (Dup)	0.13	<0.13	µg/g	20080820.R13I
Uranium	0.16	0.84	µg/g	20080820.R13I
Uranium (Dup)	0.13	1	µg/g	20080820.R13I
Vanadium	0.16	20.6	µg/g	20080820.R13I
Vanadium (Dup)	0.13	20.2	µg/g	20080820.R13I
Yttrium	0.16	4.9	µg/g	20080820.R13I
Yttrium (Dup)	0.13	4.8	µg/g	20080820.R13I
Zinc	1.6	3090	µg/g	20080820.R13I
Zinc (Dup)	1.3	3160	µg/g	20080820.R13I
Zirconium	16	1030	µg/g	20080820.R13I
Zirconium (Dup)	13	929	µg/g	20080820.R13I

**Sample Name: AT-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185386**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	12	17800	µg/g	20080820.R13I
Antimony	0.12	<0.12	µg/g	20080820.R13I
Arsenic	0.12	26.9	µg/g	20080820.R13I
Barium	1.2	223	µg/g	20080820.R13I
Beryllium	0.12	0.47	µg/g	20080820.R13I
Bismuth	0.12	3.01	µg/g	20080820.R13I
Cadmium	0.012	11.7	µg/g	20080820.R13I
Calcium	61	27500	µg/g	20080820.R13I
Cerium	0.12	37.9	µg/g	20080820.R13I
Cesium	0.12	1.65	µg/g	20080820.R13I
Chromium	1.2	137	µg/g	20080820.R13I
Cobalt	0.012	18	µg/g	20080820.R13I
Copper	1.2	952	µg/g	20080820.R13I
Europium	0.12	0.56	µg/g	20080820.R13I
Gallium	0.12	13.2	µg/g	20080820.R13I
Iron	24	22300	µg/g	20080820.R13I
Lanthanum	0.12	21.9	µg/g	20080820.R13I
Lead	0.12	102	µg/g	20080820.R13I
Lithium	0.61	24.3	µg/g	20080820.R13I
Magnesium	4.9	16800	µg/g	20080820.R13I
Manganese	1.2	435	µg/g	20080820.R13I
Mercury	0.012	0.991	µg/g	20080820.R13I
Molybdenum	0.12	2.23	µg/g	20080820.R13I

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# TESTMARK Laboratories Ltd.

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AT-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185386**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.2	76.9	µg/g	20080820.R13I
Niobium	0.12	<0.12	µg/g	20080820.R13I
Phosphorus	61	1600	µg/g	20080820.R13I
Rubidium	0.12	36.7	µg/g	20080820.R13I
Scandium	0.12	13.6	µg/g	20080820.R13I
Selenium	0.12	3.18	µg/g	20080820.R13I
Silver	0.12	2	µg/g	20080820.R13I
Strontium	1.2	89.3	µg/g	20080820.R13I
Thallium	0.12	0.28	µg/g	20080820.R13I
Thorium	0.12	10.2	µg/g	20080820.R13I
Tin	0.12	2.4	µg/g	20080820.R13I
Titanium	1.2	670	µg/g	20080820.R13I
Tungsten	0.12	<0.12	µg/g	20080820.R13I
Uranium	0.12	1.33	µg/g	20080820.R13I
Vanadium	1.2	65.6	µg/g	20080820.R13I
Yttrium	0.12	10	µg/g	20080820.R13I
Zinc	1.2	1500	µg/g	20080820.R13I
Zirconium	1.2	518	µg/g	20080820.R13I

**Sample Name: AC-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185387**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.5	5740	µg/g	20080820.R13I
Antimony	0.15	<0.15	µg/g	20080820.R13I
Arsenic	0.15	44.2	µg/g	20080820.R13I
Barium	0.15	97.8	µg/g	20080820.R13I
Beryllium	0.15	<0.15	µg/g	20080820.R13I
Bismuth	0.15	2.93	µg/g	20080820.R13I
Cadmium	0.015	8.51	µg/g	20080820.R13I
Calcium	76	17600	µg/g	20080820.R13I
Cerium	0.15	28.4	µg/g	20080820.R13I
Cesium	0.15	0.33	µg/g	20080820.R13I
Chromium	1.5	72.1	µg/g	20080820.R13I
Cobalt	0.015	7.14	µg/g	20080820.R13I
Copper	1.5	1470	µg/g	20080820.R13I
Europium	0.15	<0.15	µg/g	20080820.R13I
Gallium	0.15	3.98	µg/g	20080820.R13I
Iron	30	7020	µg/g	20080820.R13I
Lanthanum	0.15	17	µg/g	20080820.R13I
Lead	0.15	85.9	µg/g	20080820.R13I
Lithium	0.76	5.8	µg/g	20080820.R13I
Magnesium	6.1	6300	µg/g	20080820.R13I
Manganese	1.5	143	µg/g	20080820.R13I
Mercury	0.015	1.16	µg/g	20080820.R13I
Molybdenum	0.15	3.44	µg/g	20080820.R13I

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Work Order: 61648

**Sample Name: AC-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185387**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.5	42.5	µg/g	20080820.R13I
Niobium	0.15	<0.15	µg/g	20080820.R13I
Phosphorus	7.6	423	µg/g	20080820.R13I
Rubidium	0.15	9.6	µg/g	20080820.R13I
Scandium	0.15	3.46	µg/g	20080820.R13I
Selenium	0.15	3.66	µg/g	20080820.R13I
Silver	0.15	3.53	µg/g	20080820.R13I
Strontium	1.5	42.1	µg/g	20080820.R13I
Thallium	0.15	<0.15	µg/g	20080820.R13I
Thorium	0.15	2.01	µg/g	20080820.R13I
Tin	0.15	4.93	µg/g	20080820.R13I
Titanium	1.5	267	µg/g	20080820.R13I
Tungsten	0.15	<0.15	µg/g	20080820.R13I
Uranium	0.15	0.34	µg/g	20080820.R13I
Vanadium	0.15	15.7	µg/g	20080820.R13I
Yttrium	0.15	2.82	µg/g	20080820.R13I
Zinc	1.5	1440	µg/g	20080820.R13I
Zirconium	1.5	1530	µg/g	20080820.R13I

**Sample Name: AL-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185388**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.3	6640	µg/g	20080820.R13I
Antimony	0.13	<0.13	µg/g	20080820.R13I
Arsenic	0.13	36.3	µg/g	20080820.R13I
Barium	1.3	198	µg/g	20080820.R13I
Beryllium	0.13	0.16	µg/g	20080820.R13I
Bismuth	0.13	27.7	µg/g	20080820.R13I
Cadmium	0.013	9.02	µg/g	20080820.R13I
Calcium	63	20000	µg/g	20080820.R13I
Cerium	0.13	56.6	µg/g	20080820.R13I
Cesium	0.13	0.53	µg/g	20080820.R13I
Chromium	1.3	106	µg/g	20080820.R13I
Cobalt	0.013	8.92	µg/g	20080820.R13I
Copper	1.3	959	µg/g	20080820.R13I
Europium	0.13	0.3	µg/g	20080820.R13I
Gallium	0.13	7.35	µg/g	20080820.R13I
Iron	25	14700	µg/g	20080820.R13I
Lanthanum	0.13	37	µg/g	20080820.R13I
Lead	0.13	76	µg/g	20080820.R13I
Lithium	0.63	9.38	µg/g	20080820.R13I
Magnesium	5.1	10100	µg/g	20080820.R13I
Manganese	1.3	231	µg/g	20080820.R13I
Mercury	0.013	0.812	µg/g	20080820.R13I
Molybdenum	0.13	5.71	µg/g	20080820.R13I

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AL-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185388**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.3	53.8	µg/g	20080820.R13I
Niobium	0.13	0.17	µg/g	20080820.R13I
Phosphorus	63	1000	µg/g	20080820.R13I
Rubidium	0.13	12	µg/g	20080820.R13I
Scandium	0.13	5.53	µg/g	20080820.R13I
Selenium	0.13	2.46	µg/g	20080820.R13I
Silver	0.13	3.04	µg/g	20080820.R13I
Strontium	1.3	39.6	µg/g	20080820.R13I
Thallium	0.13	0.13	µg/g	20080820.R13I
Thorium	0.13	3.28	µg/g	20080820.R13I
Tin	0.13	9.03	µg/g	20080820.R13I
Titanium	1.3	528	µg/g	20080820.R13I
Tungsten	0.13	5.87	µg/g	20080820.R13I
Uranium	0.13	0.59	µg/g	20080820.R13I
Vanadium	0.13	24.3	µg/g	20080820.R13I
Yttrium	0.13	5.13	µg/g	20080820.R13I
Zinc	1.3	1240	µg/g	20080820.R13I
Zirconium	1.3	1110	µg/g	20080820.R13I

**Sample Name: T-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185389**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.7	6780	µg/g	20080820.R13I
Antimony	0.17	<0.17	µg/g	20080820.R13I
Arsenic	1.7	82.2	µg/g	20080820.R13I
Barium	0.17	153	µg/g	20080820.R13I
Beryllium	0.17	0.28	µg/g	20080820.R13I
Bismuth	0.17	11.9	µg/g	20080820.R13I
Cadmium	0.017	18.4	µg/g	20080820.R13I
Calcium	85	35300	µg/g	20080820.R13I
Cerium	0.17	19.2	µg/g	20080820.R13I
Cesium	0.17	0.52	µg/g	20080820.R13I
Chromium	1.7	107	µg/g	20080820.R13I
Cobalt	0.017	10.6	µg/g	20080820.R13I
Copper	1.7	1310	µg/g	20080820.R13I
Europium	0.17	0.23	µg/g	20080820.R13I
Gallium	0.17	6.51	µg/g	20080820.R13I
Iron	34	9270	µg/g	20080820.R13I
Lanthanum	0.17	10.1	µg/g	20080820.R13I
Lead	0.17	142	µg/g	20080820.R13I
Lithium	0.85	9.69	µg/g	20080820.R13I
Magnesium	6.8	16000	µg/g	20080820.R13I
Manganese	1.7	215	µg/g	20080820.R13I
Mercury	0.017	4.16	µg/g	20080820.R13I
Molybdenum	0.17	5.64	µg/g	20080820.R13I

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: T-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185389**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.7	91.4	µg/g	20080820.R13I
Niobium	0.17	0.44	µg/g	20080820.R13I
Phosphorus	85	1410	µg/g	20080820.R13I
Rubidium	0.17	12.8	µg/g	20080820.R13I
Scandium	0.17	4.94	µg/g	20080820.R13I
Selenium	0.17	3.89	µg/g	20080820.R13I
Silver	0.17	3.74	µg/g	20080820.R13I
Strontium	1.7	129	µg/g	20080820.R13I
Thallium	0.17	<0.17	µg/g	20080820.R13I
Thorium	0.17	3.79	µg/g	20080820.R13I
Tin	0.17	51.6	µg/g	20080820.R13I
Titanium	1.7	373	µg/g	20080820.R13I
Tungsten	0.17	<0.17	µg/g	20080820.R13I
Uranium	0.17	0.66	µg/g	20080820.R13I
Vanadium	0.17	22.3	µg/g	20080820.R13I
Yttrium	0.17	4.41	µg/g	20080820.R13I
Zinc	1.7	1710	µg/g	20080820.R13I
Zirconium	1.7	1340	µg/g	20080820.R13I

**Sample Name: A-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185390**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.2	4770	µg/g	20080820.R13I
Antimony	0.12	<0.12	µg/g	20080820.R13I
Arsenic	1.2	66.4	µg/g	20080820.R13I
Barium	0.12	89.5	µg/g	20080820.R13I
Beryllium	0.12	<0.12	µg/g	20080820.R13I
Bismuth	0.12	4.05	µg/g	20080820.R13I
Cadmium	0.012	20	µg/g	20080820.R13I
Calcium	61	45300	µg/g	20080820.R13I
Cerium	0.12	12.4	µg/g	20080820.R13I
Cesium	0.12	0.41	µg/g	20080820.R13I
Chromium	1.2	101	µg/g	20080820.R13I
Cobalt	0.012	16.8	µg/g	20080820.R13I
Copper	1.2	2460	µg/g	20080820.R13I
Europium	0.12	0.27	µg/g	20080820.R13I
Gallium	0.12	4.42	µg/g	20080820.R13I
Iron	24	17500	µg/g	20080820.R13I
Lanthanum	0.12	6.61	µg/g	20080820.R13I
Lead	1.2	231	µg/g	20080820.R13I
Lithium	0.61	8.82	µg/g	20080820.R13I
Magnesium	4.9	18100	µg/g	20080820.R13I
Manganese	1.2	233	µg/g	20080820.R13I
Mercury	0.012	3.21	µg/g	20080820.R13I
Molybdenum	0.12	5.09	µg/g	20080820.R13I

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Work Order: 61648

**Sample Name: A-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185390**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.2	76.4	µg/g	20080820.R13I
Niobium	0.12	<0.12	µg/g	20080820.R13I
Phosphorus	61	1070	µg/g	20080820.R13I
Rubidium	0.12	11.3	µg/g	20080820.R13I
Scandium	0.12	3.78	µg/g	20080820.R13I
Selenium	0.12	7.17	µg/g	20080820.R13I
Silver	0.12	5.19	µg/g	20080820.R13I
Strontium	1.2	90.2	µg/g	20080820.R13I
Thallium	0.12	0.22	µg/g	20080820.R13I
Thorium	0.12	2.51	µg/g	20080820.R13I
Tin	0.12	12.4	µg/g	20080820.R13I
Titanium	1.2	100	µg/g	20080820.R13I
Tungsten	0.12	<0.12	µg/g	20080820.R13I
Uranium	0.12	0.55	µg/g	20080820.R13I
Vanadium	0.12	22.1	µg/g	20080820.R13I
Yttrium	0.12	4.89	µg/g	20080820.R13I
Zinc	1.2	2780	µg/g	20080820.R13I
Zirconium	1.2	441	µg/g	20080820.R13I

**Sample Name: D-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185391**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.4	5140	µg/g	20080820.R13I
Antimony	0.14	<0.14	µg/g	20080820.R13I
Arsenic	1.4	47.6	µg/g	20080820.R13I
Barium	1.4	199	µg/g	20080820.R13I
Beryllium	0.14	0.16	µg/g	20080820.R13I
Bismuth	0.14	4.02	µg/g	20080820.R13I
Cadmium	0.14	46.5	µg/g	20080820.R13I
Calcium	71	21800	µg/g	20080820.R13I
Cerium	0.14	53.2	µg/g	20080820.R13I
Cesium	0.14	0.45	µg/g	20080820.R13I
Chromium	1.4	65.9	µg/g	20080820.R13I
Cobalt	0.014	10.9	µg/g	20080820.R13I
Copper	1.4	1910	µg/g	20080820.R13I
Europium	0.14	0.21	µg/g	20080820.R13I
Gallium	0.14	7.36	µg/g	20080820.R13I
Iron	28	12700	µg/g	20080820.R13I
Lanthanum	0.14	35.1	µg/g	20080820.R13I
Lead	0.14	133	µg/g	20080820.R13I
Lithium	0.71	7.83	µg/g	20080820.R13I
Magnesium	5.6	8070	µg/g	20080820.R13I
Manganese	1.4	179	µg/g	20080820.R13I
Mercury	0.014	6.12	µg/g	20080820.R13I
Molybdenum	0.14	3.83	µg/g	20080820.R13I

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Work Order: 61648

**Sample Name: D-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185391**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.4	33.2	µg/g	20080820.R13I
Niobium	0.14	<0.14	µg/g	20080820.R13I
Phosphorus	71	1930	µg/g	20080820.R13I
Rubidium	0.14	13.1	µg/g	20080820.R13I
Scandium	0.14	4.16	µg/g	20080820.R13I
Selenium	0.14	9.25	µg/g	20080820.R13I
Silver	0.14	3.48	µg/g	20080820.R13I
Strontium	1.4	53	µg/g	20080820.R13I
Thallium	0.14	0.18	µg/g	20080820.R13I
Thorium	0.14	2.89	µg/g	20080820.R13I
Tin	0.14	3.72	µg/g	20080820.R13I
Titanium	1.4	362	µg/g	20080820.R13I
Tungsten	0.14	<0.14	µg/g	20080820.R13I
Uranium	0.14	0.63	µg/g	20080820.R13I
Vanadium	0.14	20.5	µg/g	20080820.R13I
Yttrium	0.14	3.96	µg/g	20080820.R13I
Zinc	1.4	2960	µg/g	20080820.R13I
Zirconium	1.4	543	µg/g	20080820.R13I

**Sample Name: AS-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185392**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.1	6460	µg/g	20080820.R13I
Antimony	0.11	<0.11	µg/g	20080820.R13I
Arsenic	1.1	41.7	µg/g	20080820.R13I
Barium	1.1	146	µg/g	20080820.R13I
Beryllium	0.11	0.23	µg/g	20080820.R13I
Bismuth	0.11	2.63	µg/g	20080820.R13I
Cadmium	0.011	14.2	µg/g	20080820.R13I
Calcium	55	39700	µg/g	20080820.R13I
Cerium	0.11	28.1	µg/g	20080820.R13I
Cesium	0.11	0.81	µg/g	20080820.R13I
Chromium	1.1	59.2	µg/g	20080820.R13I
Cobalt	0.011	17	µg/g	20080820.R13I
Copper	1.1	1700	µg/g	20080820.R13I
Europium	0.11	0.35	µg/g	20080820.R13I
Gallium	0.11	7.52	µg/g	20080820.R13I
Iron	22	17800	µg/g	20080820.R13I
Lanthanum	0.11	15.5	µg/g	20080820.R13I
Lead	1.1	139	µg/g	20080820.R13I
Lithium	0.55	13.3	µg/g	20080820.R13I
Magnesium	4.4	21700	µg/g	20080820.R13I
Manganese	1.1	309	µg/g	20080820.R13I
Mercury	0.011	0.986	µg/g	20080820.R13I
Molybdenum	0.11	3.93	µg/g	20080820.R13I

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Intrinsic Environmental Sciences Inc.

Work Order: 61648

**Sample Name: AS-DS**

**Date:**

**Matrix: Soil**

**Lab #: 185392**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Nickel	1.1	37.3	µg/g	20080820.R13I
Niobium	0.11	0.57	µg/g	20080820.R13I
Phosphorus	55	952	µg/g	20080820.R13I
Rubidium	0.11	17.9	µg/g	20080820.R13I
Scandium	0.11	7.7	µg/g	20080820.R13I
Selenium	0.11	4.97	µg/g	20080820.R13I
Silver	0.11	1.88	µg/g	20080820.R13I
Strontium	1.1	48.5	µg/g	20080820.R13I
Thallium	0.11	0.2	µg/g	20080820.R13I
Thorium	0.11	6.63	µg/g	20080820.R13I
Tin	0.11	14.1	µg/g	20080820.R13I
Titanium	1.1	713	µg/g	20080820.R13I
Tungsten	0.11	<0.11	µg/g	20080820.R13I
Uranium	0.11	0.95	µg/g	20080820.R13I
Vanadium	1.1	36.2	µg/g	20080820.R13I
Yttrium	0.11	7.48	µg/g	20080820.R13I
Zinc	1.1	1830	µg/g	20080820.R13I
Zirconium	1.1	303	µg/g	20080820.R13I

**Sample Name: N-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185393**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Aluminum	1.4	8030	µg/g	20080820.R13J
Aluminum (Dup)	1.5	6910	µg/g	20080820.R13J
Antimony	0.14	<0.14	µg/g	20080820.R13J
Antimony (Dup)	0.15	<0.15	µg/g	20080820.R13J
Arsenic	0.14	19	µg/g	20080820.R13J
Arsenic (Dup)	0.15	17.2	µg/g	20080820.R13J
Barium	1.4	211	µg/g	20080820.R13J
Barium (Dup)	1.5	198	µg/g	20080820.R13J
Beryllium	0.14	0.27	µg/g	20080820.R13J
Beryllium (Dup)	0.15	0.24	µg/g	20080820.R13J
Bismuth	0.14	2.55	µg/g	20080820.R13J
Bismuth (Dup)	0.15	2.7	µg/g	20080820.R13J
Cadmium	0.014	11.8	µg/g	20080820.R13J
Cadmium (Dup)	0.015	10.7	µg/g	20080820.R13J
Calcium	70	26100	µg/g	20080820.R13J
Calcium (Dup)	76	22100	µg/g	20080820.R13J
Cerium	0.14	29.7	µg/g	20080820.R13J
Cerium (Dup)	0.15	26.6	µg/g	20080820.R13J
Cesium	0.14	0.84	µg/g	20080820.R13J
Cesium (Dup)	0.15	0.79	µg/g	20080820.R13J
Chromium	1.4	75.9	µg/g	20080820.R13J
Chromium (Dup)	1.5	63.4	µg/g	20080820.R13J
Cobalt	0.014	11.3	µg/g	20080820.R13J

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Work Order: 61648

**Sample Name: N-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185393**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Cobalt (Dup)	0.015	9.55	µg/g	20080820.R13J
Copper	1.4	1020	µg/g	20080820.R13J
Copper (Dup)	1.5	916	µg/g	20080820.R13J
Europium	0.14	0.43	µg/g	20080820.R13J
Europium (Dup)	0.15	0.41	µg/g	20080820.R13J
Gallium	0.14	8.8	µg/g	20080820.R13J
Gallium (Dup)	0.15	7.8	µg/g	20080820.R13J
Iron	28	17200	µg/g	20080820.R13J
Iron (Dup)	31	14700	µg/g	20080820.R13J
Lanthanum	0.14	15.7	µg/g	20080820.R13J
Lanthanum (Dup)	0.15	13.6	µg/g	20080820.R13J
Lead	0.14	98.5	µg/g	20080820.R13J
Lead (Dup)	0.15	91.9	µg/g	20080820.R13J
Lithium	0.7	29.9	µg/g	20080820.R13J
Lithium (Dup)	0.76	28.3	µg/g	20080820.R13J
Magnesium	5.6	10800	µg/g	20080820.R13J
Magnesium (Dup)	6.1	9230	µg/g	20080820.R13J
Manganese	1.4	282	µg/g	20080820.R13J
Manganese (Dup)	1.5	235	µg/g	20080820.R13J
Mercury	0.014	0.787	µg/g	20080820.R13J
Mercury (Dup)	0.015	0.683	µg/g	20080820.R13J
Molybdenum	0.14	4.35	µg/g	20080820.R13J
Molybdenum (Dup)	0.15	3.67	µg/g	20080820.R13J
Nickel	1.4	56.3	µg/g	20080820.R13J
Nickel (Dup)	1.5	47	µg/g	20080820.R13J
Niobium	0.14	<0.14	µg/g	20080820.R13J
Niobium (Dup)	0.15	<0.15	µg/g	20080820.R13J
Phosphorus	70	1470	µg/g	20080820.R13J
Phosphorus (Dup)	76	1270	µg/g	20080820.R13J
Rubidium	0.14	18.2	µg/g	20080820.R13J
Rubidium (Dup)	0.15	16.5	µg/g	20080820.R13J
Scandium	0.14	7.53	µg/g	20080820.R13J
Scandium (Dup)	0.15	5.57	µg/g	20080820.R13J
Selenium	0.14	2.23	µg/g	20080820.R13J
Selenium (Dup)	0.15	1.68	µg/g	20080820.R13J
Silver	0.14	8.27	µg/g	20080820.R13J
Silver (Dup)	0.15	1.55	µg/g	20080820.R13J
Strontium	1.4	51.7	µg/g	20080820.R13J
Strontium (Dup)	1.5	43	µg/g	20080820.R13J
Thallium	0.14	0.16	µg/g	20080820.R13J
Thallium (Dup)	0.15	<0.15	µg/g	20080820.R13J
Thorium	0.14	9.02	µg/g	20080820.R13J
Thorium (Dup)	0.15	6.59	µg/g	20080820.R13J
Tin	0.14	1.81	µg/g	20080820.R13J
Tin (Dup)	0.15	3.36	µg/g	20080820.R13J
Titanium	1.4	481	µg/g	20080820.R13J

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Work Order: 61648

**Sample Name: N-DS-1**

**Date:**

**Matrix: Soil**

**Lab #: 185393**

ICPMS Soil (mwave)				
Parameter	MDL	Result	Units	QAQCID
Titanium (Dup)	1.5	418	µg/g	20080820.R13J
Tungsten	0.14	0.22	µg/g	20080820.R13J
Tungsten (Dup)	0.15	1.1	µg/g	20080820.R13J
Uranium	0.14	1.3	µg/g	20080820.R13J
Uranium (Dup)	0.15	1.1	µg/g	20080820.R13J
Vanadium	1.4	38.7	µg/g	20080820.R13J
Vanadium (Dup)	1.5	32.6	µg/g	20080820.R13J
Yttrium	0.14	8.68	µg/g	20080820.R13J
Yttrium (Dup)	0.15	7.46	µg/g	20080820.R13J
Zinc	1.4	2440	µg/g	20080820.R13J
Zinc (Dup)	1.5	2240	µg/g	20080820.R13J
Zirconium	1.4	132	µg/g	20080820.R13J
Zirconium (Dup)	0.15	135	µg/g	20080820.R13J

**MDL** Method detection limit or minimum reporting limit.

**% Rec** Surrogate compounds are added to the sample in some cases and the recovery is reported as a percent recovered.

**QAQCID** This is a unique reference to the quality control data set used to generate the reported value.

**Data reported for organic analysis in soil samples are corrected for moisture content**

**Matrix** If the matrix is a leachate, the sample was extracted according to regulation 558.

**INT** Interferences

**TNTC** Too numerous to count

**ND** Not detected



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Work Order: 61648

## Quality Control Data:

### ICPMS Soil

5 ppm Cal. Check						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	23	20	20080820.R13E
Arsenic	0.05	µg/g	6	5.38	4	20080820.R13E
Barium	0.05	µg/g	6	4.94	4	20080820.R13E
Beryllium	0.05	µg/g	6.25	4.49	3.75	20080820.R13E
Cadmium	0.05	µg/g	6	4.87	4	20080820.R13E
Calcium	2.5	µg/g	60	46.3	40	20080820.R13E
Chromium	0.05	µg/g	6	5.15	4	20080820.R13E
Cobalt	0.05	µg/g	6	5.26	4	20080820.R13E
Copper	0.05	µg/g	6	5.07	4	20080820.R13E
Iron	1	µg/g	30	29.2	20	20080820.R13E
Lead	0.05	µg/g	6	5.11	4	20080820.R13E
Magnesium	0.2	µg/g	60	46.8	40	20080820.R13E
Manganese	0.05	µg/g	6	5.56	4	20080820.R13E
Molybdenum	0.05	µg/g	6	5.34	4	20080820.R13E
Nickel	0.05	µg/g	6	5.36	4	20080820.R13E
Selenium	0.05	µg/g	6	5.54	4	20080820.R13E
Thallium	0.05	µg/g	6	4.98	4	20080820.R13E
Vanadium	0.05	µg/g	6	5.15	4	20080820.R13E
Zinc	0.05	µg/g	6	5.04	4	20080820.R13E
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	23.8	20	20080820.R13F
Arsenic	0.05	µg/g	6	4.95	4	20080820.R13F
Barium	0.05	µg/g	6	4.8	4	20080820.R13F
Beryllium	0.05	µg/g	6.25	4.46	3.75	20080820.R13F
Cadmium	0.05	µg/g	6	4.9	4	20080820.R13F
Calcium	2.5	µg/g	60	47.1	40	20080820.R13F
Chromium	0.05	µg/g	6	4.89	4	20080820.R13F
Cobalt	0.05	µg/g	6	4.68	4	20080820.R13F
Copper	0.05	µg/g	6	4.89	4	20080820.R13F
Iron	1	µg/g	30	27.2	20	20080820.R13F
Lead	0.05	µg/g	6	4.75	4	20080820.R13F
Magnesium	0.2	µg/g	60	46.5	40	20080820.R13F
Manganese	0.05	µg/g	6	5.18	4	20080820.R13F
Molybdenum	0.05	µg/g	6	5.24	4	20080820.R13F
Nickel	0.05	µg/g	6	4.87	4	20080820.R13F
Selenium	0.05	µg/g	6	5	4	20080820.R13F
Thallium	0.05	µg/g	6	4.58	4	20080820.R13F
Vanadium	0.05	µg/g	6	4.95	4	20080820.R13F
Zinc	0.05	µg/g	6	4.68	4	20080820.R13F
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	22.5	20	20080820.R13G
Arsenic	0.05	µg/g	6	4.69	4	20080820.R13G
Barium	0.05	µg/g	6	4.95	4	20080820.R13G
Beryllium	0.05	µg/g	6.25	4.43	3.75	20080820.R13G

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## ICPMS Soil

5 ppm Cal. Check						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Cadmium	0.05	µg/g	6	4.83	4	20080820.R13G
Calcium	2.5	µg/g	60	43.3	40	20080820.R13G
Chromium	0.05	µg/g	6	4.54	4	20080820.R13G
Cobalt	0.05	µg/g	6	4.63	4	20080820.R13G
Copper	0.05	µg/g	6	4.56	4	20080820.R13G
Iron	1	µg/g	30	24.2	20	20080820.R13G
Lead	0.05	µg/g	6	4.73	4	20080820.R13G
Magnesium	0.2	µg/g	60	45.5	40	20080820.R13G
Manganese	0.05	µg/g	6	4.82	4	20080820.R13G
Molybdenum	0.05	µg/g	6	5.11	4	20080820.R13G
Nickel	0.05	µg/g	6	4.45	4	20080820.R13G
Selenium	0.05	µg/g	6	4.74	4	20080820.R13G
Thallium	0.05	µg/g	6	4.84	4	20080820.R13G
Vanadium	0.05	µg/g	6	4.6	4	20080820.R13G
Zinc	0.05	µg/g	6	4.56	4	20080820.R13G
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	24.2	20	20080820.R13H
Arsenic	0.05	µg/g	6	4.87	4	20080820.R13H
Barium	0.05	µg/g	6	4.74	4	20080820.R13H
Beryllium	0.05	µg/g	6.25	4.86	3.75	20080820.R13H
Cadmium	0.05	µg/g	6	5.2	4	20080820.R13H
Calcium	2.5	µg/g	60	45.5	40	20080820.R13H
Chromium	0.05	µg/g	6	4.73	4	20080820.R13H
Cobalt	0.05	µg/g	6	4.79	4	20080820.R13H
Copper	0.05	µg/g	6	4.87	4	20080820.R13H
Iron	1	µg/g	30	26.1	20	20080820.R13H
Lead	0.05	µg/g	6	4.93	4	20080820.R13H
Magnesium	0.2	µg/g	60	47.8	40	20080820.R13H
Manganese	0.05	µg/g	6	5.12	4	20080820.R13H
Molybdenum	0.05	µg/g	6	5.12	4	20080820.R13H
Nickel	0.05	µg/g	6	4.68	4	20080820.R13H
Selenium	0.05	µg/g	6	4.61	4	20080820.R13H
Thallium	0.05	µg/g	6	4.81	4	20080820.R13H
Vanadium	0.05	µg/g	6	4.72	4	20080820.R13H
Zinc	0.05	µg/g	6	4.68	4	20080820.R13H
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	23	20	20080820.R13I
Arsenic	0.05	µg/g	6	5.38	4	20080820.R13I
Barium	0.05	µg/g	6	4.94	4	20080820.R13I
Beryllium	0.05	µg/g	6.25	4.49	3.75	20080820.R13I
Cadmium	0.05	µg/g	6	4.87	4	20080820.R13I
Calcium	2.5	µg/g	60	46.3	40	20080820.R13I
Chromium	0.05	µg/g	6	5.15	4	20080820.R13I
Cobalt	0.05	µg/g	6	5.26	4	20080820.R13I
Copper	0.05	µg/g	6	5.07	4	20080820.R13I
Iron	1	µg/g	30	29.2	20	20080820.R13I

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5 ppm Cal. Check						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Lead	0.05	µg/g	6	5.11	4	20080820.R13I
Magnesium	0.2	µg/g	60	46.8	40	20080820.R13I
Manganese	0.05	µg/g	6	5.56	4	20080820.R13I
Molybdenum	0.05	µg/g	6	5.34	4	20080820.R13I
Nickel	0.05	µg/g	6	5.36	4	20080820.R13I
Selenium	0.05	µg/g	6	5.54	4	20080820.R13I
Thallium	0.05	µg/g	6	4.98	4	20080820.R13I
Vanadium	0.05	µg/g	6	5.15	4	20080820.R13I
Zinc	0.05	µg/g	6	5.04	4	20080820.R13I
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.05	µg/g	30	25.6	20	20080820.R13J
Arsenic	0.05	µg/g	6	5.14	4	20080820.R13J
Barium	0.05	µg/g	6	5.1	4	20080820.R13J
Beryllium	0.05	µg/g	6.25	4.87	3.75	20080820.R13J
Cadmium	0.05	µg/g	6	5.31	4	20080820.R13J
Calcium	2.5	µg/g	60	46.3	40	20080820.R13J
Chromium	0.05	µg/g	6	4.96	4	20080820.R13J
Cobalt	0.05	µg/g	6	5.08	4	20080820.R13J
Copper	0.05	µg/g	6	5.11	4	20080820.R13J
Iron	1	µg/g	30	26.9	20	20080820.R13J
Lead	0.05	µg/g	6	5.12	4	20080820.R13J
Magnesium	0.2	µg/g	60	48.9	40	20080820.R13J
Manganese	0.05	µg/g	6	5.24	4	20080820.R13J
Molybdenum	0.05	µg/g	6	5.17	4	20080820.R13J
Nickel	0.05	µg/g	6	5.12	4	20080820.R13J
Selenium	0.05	µg/g	6	5.13	4	20080820.R13J
Thallium	0.05	µg/g	6	5.05	4	20080820.R13J
Vanadium	0.05	µg/g	6	4.99	4	20080820.R13J
Zinc	0.05	µg/g	6	5.12	4	20080820.R13J

Blank						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13E
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13E
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13E
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E

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Blank						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13E
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13E
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13E
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13E
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13F
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13F
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13F
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13F
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13F
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F

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## ICPMS Soil

Blank						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13F
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13F
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13G
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13G
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13G
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13G
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13G
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G

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## ICPMS Soil

Blank						
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13G
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13G
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13H
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13H
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13H
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13H
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13H
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13H

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Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13H
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13I
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13I
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13I
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13I
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13I
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13I
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13I

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## ICPMS Soil

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Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Parameter	MDL	Units	UCL	Result	LCL	QAQCID
Aluminum	0.2	µg/g	0.2	<0.2	<0.2	20080820.R13J
Antimony	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Arsenic	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Barium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Beryllium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13J
Bismuth	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Cadmium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Calcium	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13J
Cerium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Cesium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Chromium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Cobalt	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Copper	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Europium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Gallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Iron	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Lanthanum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Lead	0.005	µg/g	0.05	<0.005	<0.005	20080820.R13J
Magnesium	0.1	µg/g	0.1	<0.1	<0.1	20080820.R13J
Manganese	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Mercury	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Molybdenum	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Nickel	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Niobium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Rubidium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Scandium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Selenium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Silver	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Strontium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Thallium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Thorium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Tin	0.25	µg/g	0.25	<0.25	<0.25	20080820.R13J
Titanium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Tungsten	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Uranium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Vanadium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Yttrium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Zinc	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J
Zirconium	0.05	µg/g	0.05	<0.05	<0.05	20080820.R13J

## ICPMS Soil (mwave)



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<b>Montana II Soil (SRM2711)</b>						
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	0.92	µg/g	110	93.4	88	20080820.R13E
Cadmium	0.092	µg/g	46	41.9	32	20080820.R13E
Cobalt	0.0092	µg/g	12	9.22	7	20080820.R13E
Copper	0.92	µg/g	110	104	91	20080820.R13E
Lead	0.92	µg/g	1500	1170	930	20080820.R13E
Nickel	0.092	µg/g	20	18.3	14	20080820.R13E
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	0.99	µg/g	110	91.8	88	20080820.R13F
Cadmium	0.099	µg/g	46	42.1	32	20080820.R13F
Cobalt	0.0099	µg/g	12	8.62	7	20080820.R13F
Copper	0.99	µg/g	110	109	91	20080820.R13F
Lead	0.99	µg/g	1500	1180	930	20080820.R13F
Nickel	0.099	µg/g	20	17.4	14	20080820.R13F
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	1.2	µg/g	110	94.9	88	20080820.R13G
Cadmium	0.12	µg/g	46	43.4	32	20080820.R13G
Cobalt	0.012	µg/g	12	9.12	7	20080820.R13G
Copper	1.2	µg/g	110	107	91	20080820.R13G
Lead	1.2	µg/g	1500	1140	930	20080820.R13G
Nickel	0.12	µg/g	20	18.9	14	20080820.R13G
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	0.89	µg/g	110	94	88	20080820.R13H
Cadmium	0.089	µg/g	46	44.8	32	20080820.R13H
Cobalt	0.0089	µg/g	12	8.53	7	20080820.R13H
Copper	0.89	µg/g	110	102	91	20080820.R13H
Lead	0.89	µg/g	1500	1220	930	20080820.R13H
Nickel	0.089	µg/g	20	17.1	14	20080820.R13H
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	1.1	µg/g	110	96.9	88	20080820.R13I
Cadmium	0.11	µg/g	46	45.1	32	20080820.R13I
Cobalt	0.011	µg/g	12	8.96	7	20080820.R13I
Copper	1.1	µg/g	110	102	91	20080820.R13I
Lead	1.1	µg/g	1500	992	930	20080820.R13I
Nickel	0.11	µg/g	20	17.9	14	20080820.R13I
<b>Parameter</b>	<b>MDL</b>	<b>Units</b>	<b>UCL</b>	<b>Result</b>	<b>LCL</b>	<b>QAQCID</b>
Arsenic	1.6	µg/g	110	94.6	88	20080820.R13J
Cadmium	0.16	µg/g	46	45.4	32	20080820.R13J
Cobalt	0.016	µg/g	12	9.15	7	20080820.R13J
Copper	1.6	µg/g	110	104	91	20080820.R13J
Lead	1.6	µg/g	1500	1140	930	20080820.R13J
Nickel	0.16	µg/g	20	19.2	14	20080820.R13J

UCL Upper Control Limit

LCL Lower Control Limit